

# VITAL STATISTICS OF THE UNITED STATES

1988

VOLUME II - MORTALITY

PART A

U.S. DEPARTMENT OF  
HEALTH AND HUMAN SERVICES

PUBLIC HEALTH SERVICE

CENTERS FOR DISEASE CONTROL

NATIONAL CENTER FOR HEALTH STATISTICS

Hyattsville, Maryland: 1991

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# VITAL STATISTICS OF THE UNITED STATES, 1988

## VOLUME II—MORTALITY

A brief summary of the contents for sections 1 through 7 is listed below for the convenience of the reader. A complete contents page is at the beginning of each section and is identified by a narrow black edge, which can be located easily by fanning the pages. Each section is paged independently, beginning with page 1. Section 8, data for Geographic Detail for Mortality, and Section 9, data for Puerto Rico, Virgin Islands (U.S.), and Guam, are in Part B of Volume II of *Vital Statistics of the United States, 1988*.

### PART A

#### Section 1. General Mortality

Summary tables containing crude, age-specific, and age-adjusted death rates; death rates by cause; maternal mortality; and deaths for the 50 largest standard metropolitan statistical areas. Detailed tabulations of deaths by cause for the United States and each State. Data shown by age, sex, race, Hispanic origin, cause of death, month, date of death, report of autopsy, status of decedent when death occurred in hospital or medical center, place of death, marital status, and State or country of birth.

#### Section 2. Infant Mortality

Tabulations of infant deaths and infant mortality rates by age, race, Hispanic origin, sex, and cause of death, and by State and the 50 largest standard metropolitan statistical areas. Additional frequency tables by month of death and by population-size groups in metropolitan and nonmetropolitan counties.

#### Section 3. Fetal Mortality

Tabulations of numbers of deaths and ratios by race, age of mother, marital status of mother, geographic areas, and population-size groups; and fetal-death rates by plurality and sex. Numbers of deaths by additional categories—month, birth order, attendant, period of gestation, and birth weight.

#### Section 4. Perinatal Deaths

Perinatal deaths and mortality rates and ratios for the three definitions of perinatal deaths, by race and sex for the United States, each State, and for metropolitan and nonmetropolitan counties.

#### Section 5. Accident Mortality

Deaths from motor vehicle accidents by type of vehicle and by person injured. Data shown by cause of death, age, race, and sex for the United States and by race and sex for each State. Deaths from accidental poisoning by age, race, and sex.

#### Section 6. Life Tables

Text discussion of life table program, abridged life tables, and interpolated values of the  $l_x$  and  $e_x$  by single years of age for the national population by race and sex.

#### Section 7. Technical Appendix

Text discussion of factors affecting the collection, classification, and interpretation of mortality statistics published in Volume II. Includes population tables for computing vital rates.

# Guide to tables in Section 1

[All data are for deaths occurring in the United States. Excludes fetal deaths. Data for geographic areas within the United States are by place of residence unless otherwise noted. Data by place of residence exclude deaths occurring to nonresidents; however, data by place of occurrence include deaths of nonresidents]

	TABLE: 1	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12	-13	-14	-15	-16
	PAGE:	1	3	5	7	9	10	11	12	14	40	53	54	55	56	68	69
<b>Geographic area:</b>																	
Divisions -----												<sup>1</sup> 11	12	13	14		
50 largest SMSA's and component counties -----																	
States -----													12	13	14		
Total of reporting areas -----																	
United States -----		<sup>5</sup> 1	<sup>5</sup> 2	<sup>5</sup> 3	4	5	6	7	8	9	10	<sup>1,5</sup> 11	12	13	14	15	<sup>6</sup> 16
<b>Years:</b>																	
1900-1988 -----		1	2	3								<sup>7</sup> 11					
1915-88 -----																	<sup>8</sup> 16
Selected years and 1988 -----					4												
1979-88 -----								7					12				
1988 only -----						5	6		8	9	10			13	14	15	
<b>Type of entry:</b>																	
Age-adjusted rates -----				3					8								
Death rates -----			2		4		6	7		9	10	11	12	13	14	15	16
Number of deaths -----		1				5									13		15
Percent distribution of deaths by cause -----							6										
<b>Characteristics:</b>																	
Age -----					4	5				9	10			13		15	
10-year age groups -----					4						<sup>10</sup>						
5-year age groups -----										9						15	
Single years of age after 84 -----						5											
Autopsy -----																	
<b>Cause of death:</b>																	
Each cause -----																	
Selected causes -----																	15
282 selected causes -----																	
72 selected causes -----								7	8	9	10				14		
34 selected causes -----																	
15 leading causes -----							6										
HIV causes only -----																	
Maternal causes only -----																15	16
Day of month -----																	
Day of week -----																	
Hispanic origin -----																	
Marital status -----																	
Month -----																	
Place of death -----																	
Race -----		1	2	3	4	5			8	9	10					15	16
Sex -----		1	2	3	4	5			8	9	10						
State or country of birth -----																	
Status of decedent in hospital -----																	

<sup>1</sup>Deaths by place of occurrence.  
<sup>2</sup>Deaths by place of occurrence and place of residence.  
<sup>3</sup>Data for 22 reporting States and the District of Columbia.  
<sup>4</sup>Data for total of reporting areas and for each reporting area.  
<sup>5</sup>Entire United States for 1933-88, death-registration States for 1900-1932.  
<sup>6</sup>Entire United States for 1933-88, birth-registration States for 1915-32.  
<sup>7</sup>Data by 5-year averages for 1900-1959 and by single years for 1960-88.  
<sup>8</sup>Data by 5-year averages for 1915-39 and by single years for 1940-88.  
<sup>9</sup>Number of autopsies per 100 deaths.  
<sup>10</sup>Specified race or national origin.





## Guide to tables in Section 2

[All data are for infant deaths occurring in the United States. Excludes fetal deaths. Data for geographic areas within the United States are by place of residence]

TABLE: 2 PAGE:	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12	-13	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
<b>Geographic area:</b>																								
Divisions -----								8	9															
50 largest SMSA's and component counties -----										10														
Metropolitan and nonmetropolitan counties -----															15									
Population-size groups -----															15									
States -----								8	9		11		13				17	18						
Total of reporting States -----																			19	20	21	22		
United States -----	<sup>2</sup> 1	2	3	4	5	6	7	8	9		11	12		14	15	16	17						23	
<b>Years:</b>																								
1915-88 -----	1																							
1979-88 -----			3				7																	
1984-88 -----								8	9															
1988 only -----		2		4	5	6				10	11	12	13	14	15	16	17	18	19	20	21	22	23	
<b>Type of entry:</b>																								
Infant mortality rates (per 1,000 live births) -----	1			4				8	9	10										19				
Infant mortality rates (per 100,000 live births) -----		2	3		5	6	7														21	22	23	
Number of infant deaths -----				4	5	6				10	11	12	13	14	15	16	17	18	19	20		22	23	
Percent distribution of deaths by cause -----						6																		
<b>Characteristics:</b>																								
<b>Age:</b>																								
Under 1 year -----	1	2	3	4	5	6	7	8		10	11	12	13	14	15	16	17		19					
Under 28 days -----	1	2	3	4		6			9	10	11	12	13	14	15	16	17		19					
28 days to 11 months -----				4		6								14			17		19					
Detailed age groups (under 1 day-11 months) -----		2	3							11	12				16									
<b>Cause of death:</b>																								
61 selected causes -----					5		7							14	15	16	17			20	21			
15 leading causes -----						6																		
HIV causes only -----																						22	23	
Hispanic origin -----												12	13	14				18	19	20	21	22		
Month -----												12	13	14										
Face -----	1	2	3	<sup>3</sup> 4	5			8	9		11	12	13		15	16	17	18	19	20	21	22	23	
Sex -----		2		4							11	12			16								22	23

<sup>1</sup> Data for 22 reporting States and the District of Columbia.

<sup>2</sup> Entire United States for 1933-88; death-registration States for 1915-32.

<sup>3</sup> Specified race or national origin.

## Guide to tables in Section 3

[All data are for fetal deaths occurring in the United States. Data are for fetal deaths with stated or presumed period of gestation of 20 weeks or more unless otherwise noted. Data for geographic areas within the United States are by place of residence unless otherwise noted. Data by place of residence exclude fetal deaths occurring to nonresidents; however, data by place of occurrence include fetal deaths to nonresidents]

	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12	-13	-14	-15	-16	-17	-18	
	1	2	3	4	5	6	8	9	12	15	17	20	23	26	27	28	31	34	
TABLE: 3 PAGE:																			
Geographic area:																			
Divisions -----						6	7												
Metropolitan and nonmetropolitan counties -----						6													
Population-size groups -----						16													
States -----	21						7	38	9		11	12	13				16	17	
Total of reporting areas -----			3	4															
United States -----	1	2			5	6	7	8	9	10	11	12	13	14	15	16	17	18	
Years:																			
1942-1988 -----		2																	
1984-1988 -----							7												
1988 only -----	1		3	4	5	6		8	9	10	11	12	13	14	15	16	17	18	
Type of entry:																			
Number of fetal deaths -----	1	2	3	4	5	6		8	9	10	11	12	13	14	15	16	17	18	
Percent distribution -----			3																
Rates (per 1,000 live births and fetal deaths) -----					5														
Ratios (per 1,000 live births) -----		2		4		6	7												
Characteristics:																			
Age of mother -----			3	4						10	11								
Marital status -----				4															
Month -----									9										
Period of gestation -----	41		43			56							13		15		17	18	
Place of delivery -----												13							
Plural births -----					5										14	15			
Race -----		2		4	5	6	7		9	10	11	12	13	14	15	16	17	18	
Sex -----					5					10				14	15	16	17		
Total-birth order -----										10		12							
Weight at birth -----														14		16		18	

<sup>1</sup>For the United States only.  
<sup>2</sup>Fetal deaths by place of occurrence.  
<sup>3</sup>Fetal deaths by place of occurrence and place of residence.  
<sup>4</sup>All periods of gestation.  
<sup>5</sup>For fetal deaths only.



## Guide to tables in Section 4

Data refer to events occurring in the United States. Data for geographic areas within the United States are by place of residence. Data are shown for 3 definitions of perinatal mortality]

TABLE: 4 PAGE:		-1	-2	-3	-4	-5
		1	2	3	4	5
<b>Geographic area:</b>						
Metropolitan and nonmetropolitan counties -----				3		
States -----					4	5
United States -----		1	2	3	4	5
<b>Years:</b>						
1950-88 -----		1				
1984-88 -----					4	
1988 only -----			2	3		5
<b>Type of entry:</b>						
Number of perinatal deaths -----			2	3		5
Perinatal rates (per 1,000 live births and specified fetal deaths) -----			2	3		5
Perinatal ratios (per 1,000 live births) -----		1	2	3	4	5
<b>Characteristics:</b>						
Race -----		1	2	3	4	5
Sex -----			2			

## Guide to tables in Section 5

[Frequencies only. All data are for accidental deaths occurring in the United States during 1988. Data for geographic areas within the United States are by place of residence]

	TABLE: 5 PAGE:						
	-1	-2	-3	-4	-5	-6	-7
Geographic area:	1	4	14	22	26	42	46
States -----			3				7
United States -----	1	2	3	4	5	6	7
Subject matter:							
Accidental poisoning -----				4			
Motor vehicle accidents by person injured -----	1	2	3				
Nontransport accidents by place of accident -----					5	6	7
Characteristics:							
Age -----		2		4		6	
5-year age groups -----		2				6	
Motor vehicle accidents by exact cause of death -----	1						
Nontransport accidents by exact cause of death -----					5		
Race -----	1	2	3	4	5	6	7
Sex -----	1	2	3	4	5	6	7

# Guide to tables in Section 6

[Life tables for the United States]

		TABLE: 6	-1	-2	-3	-4	-5
		PAGE:	6	10	11	12	18
Years:							
1900-1988 -----							<sup>1</sup> 5
Specified years and 1988 -----					<sup>2</sup> 4		
1988 only -----			1	2	3		
Type of entry:							
Average remaining lifetime ( $e_x$ ) -----			1		3	4	
Estimated average length of life ( $e_o$ ) -----							5
Number surviving ( $l_x$ ) -----			1	2		4	
Number dying ( ${}_n d_x$ ) -----			1				
Proportion dying ( ${}_n q_x$ ) -----			1				
Stationary population ( ${}_n L_x$ ) and ( $T_x$ ) -----			1				
Characteristics:							
Age by:							
Single years -----				2	3		
5-year intervals -----			1			4	
Race -----			1	2	3	4	5
Sex-race specific -----			1	2	3	4	5
Sex specific -----			1	2	3	4	5
Total population -----			1	2	3	4	5

<sup>1</sup> Entire United States for 1929-88, death-registration States for 1900-1928.

<sup>2</sup> Entire United States for specified years from 1929 to 1988; death-registration States for specified years from 1900 to 1921.

## Guide to tables in Section 7

[Population tables. Resident populations exclusive of Armed Forces stationed outside the United States and estimated as of July 1 unless otherwise noted]

	TABLE: 7	PAGE:	-1	-2	-3	-4
			23	24	25	26
<b>Geographic area:</b>						
Divisions -----					3	
Guam -----					3	
Puerto Rico -----					3	
States -----					3	
United States -----			1, 2 <sup>1</sup>	2	3	4
Virgin Islands -----					3	
<b>Years:</b>						
1900-1988 <sup>3</sup> -----			1			
1988 only -----				2	3	
1980 only -----						4
<b>Type of entry:</b>						
Population -----			1	2	3	
Ratios -----						4 <sup>4</sup>
<b>Characteristics:</b>						
Age -----				2	3 <sup>5</sup>	4
Race -----				2		4
Sex -----				2		4

<sup>1</sup>Entire United States for 1900-1988; birth- and death-registration States for 1900-1932.  
<sup>2</sup>Populations both inclusive and exclusive of Armed Forces stationed outside the United States.  
<sup>3</sup>Population enumerated as of April 1, 1940, 1950, 1960, 1970, and 1980, and estimated as of July 1 for all other years.  
<sup>4</sup>Census-level population to population adjusted for estimated net census undercount.  
<sup>5</sup>For United States, each division, and State.

**SYMBOLS USED IN TABLES**

Data not available	-----	---
Category not applicable	-----	...
Quantity zero	-----	-
Quantity more than zero but less than 0.05	-----	0.0
Quantity more than zero but less than 500 where numbers are rounded to thousands	-----	Z
Figure does not meet standards of reliability or precision	-----	*

# Section 1. General Mortality

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SECTION 1 - GENERAL MORTALITY - PAGE 1

Table 1-1. Deaths by Race and Sex: Death-Registration States, 1900-1932, and United States, 1933-88

[Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix.]

Area and year	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
<b>UNITED STATES 1</b>												
1988	2,167,999	1,125,540	1,042,459	1,876,906	965,419	911,487	291,093	160,121	130,972	264,019	144,228	119,791
1987	2,123,323	1,107,958	1,015,365	1,843,067	953,362	889,685	280,256	154,576	125,680	254,814	139,551	115,283
1986	2,105,381	1,104,005	1,001,356	1,831,083	952,554	878,529	274,278	151,451	122,827	250,326	137,214	113,112
1985	2,086,440	1,097,758	988,682	1,819,054	950,455	868,599	267,386	147,303	120,083	244,207	133,610	110,597
1984	2,039,369	1,076,514	962,855	1,781,897	934,529	847,368	257,472	141,985	115,487	235,884	129,147	106,737
1983	2,019,201	1,071,923	947,278	1,768,582	931,779	833,803	253,619	140,144	113,475	233,124	127,911	105,213
1982	1,974,797	1,056,440	918,357	1,729,085	919,239	809,846	245,712	137,201	108,511	226,513	125,610	100,803
1981	1,977,981	1,063,772	914,209	1,731,233	925,490	805,743	246,748	138,282	108,468	228,560	127,298	101,254
1980	1,989,841	1,075,078	914,763	1,738,607	933,878	804,729	251,234	141,200	110,094	233,135	130,138	102,987
1979	1,913,841	1,044,859	868,882	1,676,145	910,137	766,008	237,606	135,822	102,874	220,818	124,433	96,385
1978	1,927,788	1,055,290	872,488	1,689,722	920,123	769,599	238,066	135,167	102,899	221,340	124,663	96,677
1977	1,899,597	1,046,243	853,354	1,664,100	912,670	751,430	235,497	133,573	101,924	220,076	123,894	96,182
1976	1,909,440	1,051,883	857,457	1,674,989	918,589	756,400	234,451	133,394	101,942	219,442	123,977	95,465
1975	1,882,879	1,050,819	842,080	1,660,366	917,804	742,562	232,513	133,015	99,498	217,332	123,770	94,162
1974	1,894,388	1,071,827	862,761	1,687,225	936,640	760,655	237,093	134,967	102,822	225,537	124,433	98,392
1973	1,973,003	1,096,795	876,208	1,728,405	957,918	770,487	244,598	138,877	105,721	230,110	129,647	100,463
1972 2	1,963,944	1,096,198	867,746	1,721,468	957,518	763,950	242,476	138,680	103,796	228,450	129,740	98,710
1971	1,927,542	1,077,332	850,210	1,689,771	942,337	747,434	237,771	134,995	102,776	224,138	126,362	97,776
1970	1,921,031	1,078,478	842,553	1,682,086	942,437	739,659	238,935	136,041	102,894	225,647	127,540	98,107
1969	1,921,980	1,080,826	841,064	1,683,622	945,380	736,242	238,368	135,542	102,822	225,537	127,145	98,392
1968	1,930,082	1,087,220	842,862	1,689,559	951,154	736,405	240,523	136,066	104,457	227,682	127,793	99,889
1967	1,851,323	1,045,945	805,378	1,627,151	919,514	707,637	224,172	128,431	97,741	212,252	118,689	93,563
1966	1,863,149	1,052,827	810,322	1,634,461	924,342	710,119	228,688	128,485	100,203	216,738	120,843	95,893
1965	1,826,136	1,035,200	782,936	1,605,498	910,511	694,997	222,639	124,689	97,949	211,230	117,328	93,902
1964	1,798,051	1,017,778	790,273	1,578,674	895,518	683,156	219,377	122,260	97,117	209,065	115,717	93,348
1963 3	1,813,549	1,027,686	785,893	1,593,015	911,994	681,021	216,882	120,408	96,256	204,888	112,708	92,180
1962 3	1,756,720	994,789	761,931	1,488,113	846,458	641,655	206,583	114,262	92,321	195,598	107,105	88,493
1961	1,701,522	966,827	734,695	1,498,332	854,669	643,783	203,180	112,258	90,932	192,791	105,493	87,298
1960	1,711,982	975,648	796,334	1,505,336	860,867	644,478	206,647	114,791	91,866	196,010	107,701	89,003
1959	1,656,814	943,088	713,726	1,460,840	834,651	626,189	195,974	109,437	87,537	187,951	103,126	84,825
1958	1,647,886	936,794	711,092	1,451,077	828,550	622,527	196,809	108,244	86,565	189,341	103,333	86,008
1957	1,633,128	930,728	702,400	1,437,652	823,067	614,585	195,476	107,861	87,815	187,912	102,709	85,203
1956	1,564,476	893,357	671,118	1,380,915	782,364	588,551	183,561	100,993	82,568	176,341	96,140	80,201
1955	1,526,717	872,838	656,079	1,350,869	774,758	576,111	177,848	97,880	79,968	171,021	93,378	77,643
1954	1,481,091	846,124	634,967	1,306,989	750,099	556,899	174,102	95,025	78,241	167,241	91,403	75,836
1953	1,517,541	867,100	650,441	1,335,835	766,703	569,132	181,706	100,397	81,309	174,625	95,739	78,886
1952	1,496,838	853,927	642,911	1,315,022	753,571	561,451	181,816	100,356	81,460	174,695	95,723	78,972
1951	1,482,098	845,233	636,866	1,302,989	747,049	555,920	179,130	98,184	80,946	171,983	93,515	78,468
1950	1,452,454	827,749	624,705	1,276,085	731,386	544,719	176,689	96,383	79,986	169,606	92,004	77,602
1949	1,443,607	821,281	622,316	1,268,848	726,189	542,679	174,759	95,122	79,537	166,067	90,765	77,302
1948	1,444,337	820,931	623,406	1,270,589	725,818	544,771	173,748	95,113	78,635	167,046	90,732	76,314
1947	1,445,370	818,234	627,136	1,274,893	726,104	546,789	170,477	92,130	78,347	163,781	87,760	76,021
1946	1,395,617	785,689	609,928	1,232,337	697,323	535,014	163,280	86,366	74,914	158,493	83,949	72,544
1945	1,401,719	788,083	613,656	1,233,889	697,698	536,191	167,830	90,365	77,465	160,733	85,716	75,017
1944	1,411,338	789,861	621,477	1,238,828	697,731	541,906	167,303	92,130	80,379	165,180	87,468	77,692
1943	1,459,544	817,485	642,059	1,280,867	721,777	559,110	178,657	95,708	82,949	171,247	90,898	80,249
1942	1,365,187	780,454	604,733	1,209,844	686,488	524,476	175,243	94,996	80,257	168,244	90,430	77,814
1941	1,397,642	780,033	612,609	1,213,511	685,672	527,839	184,131	99,361	84,770	176,729	94,697	82,032
1940	1,417,269	791,003	626,266	1,231,223	690,901	540,322	186,046	100,102	85,944	178,743	95,517	83,226
1939	1,387,897	768,877	619,020	1,207,078	672,047	535,031	180,819	96,830	83,989	173,510	92,276	81,234
1938	1,381,381	764,902	616,489	1,195,431	665,559	529,872	185,960	99,343	86,617	178,573	94,659	83,914
1937	1,460,427	808,834	641,593	1,264,787	702,630	552,157	195,640	106,204	89,436	187,594	101,166	86,428
1936	1,479,228	821,439	657,789	1,278,379	712,128	566,283	200,849	109,313	91,566	192,748	104,235	88,513
1935	1,392,752	771,320	621,432	1,207,359	671,298	536,061	185,393	100,022	85,371	177,523	95,033	82,490
1934	1,396,903	772,595	624,308	1,207,197	670,476	536,721	189,706	102,119	87,587	182,075	97,358	84,717
1933	1,342,106	737,312	604,794	1,162,398	641,725	520,673	179,708	95,597	84,121	172,114	90,807	81,307
<b>DEATH-REGISTRATION STATES 4</b>												
1932	1,293,269	704,508	598,783	1,122,470	614,093	508,377	170,799	90,413	80,386	163,442	85,752	77,690
1931	1,307,273	717,630	599,643	1,125,377	621,120	504,257	181,896	96,510	85,386	174,023	91,587	82,436
1930	1,327,240	726,880	600,580	1,136,884	625,792	511,082	190,356	100,888	89,468	182,021	95,696	86,325
1929	1,369,757	745,491	624,266	1,175,490	642,463	533,027	194,267	103,028	91,239	186,876	96,198	88,480
1928	1,361,987	738,891	623,096	1,168,269	637,063	531,206	193,718	101,828	91,880	186,898	97,827	89,271
1927	1,211,627	656,697	554,930	1,050,358	572,061	478,297	161,269	84,638	76,833	155,462	80,549	74,513
1926	1,257,256	677,032	580,224	1,093,850	590,852	502,998	183,406	86,180	77,226	157,284	82,312	74,972
1925	1,191,809	641,397	550,412	1,035,500	569,356	476,144	156,309	82,041	74,268	150,665	78,482	72,203
1924	1,151,076	619,874	531,202	997,617	539,303	458,314	153,459	80,571	72,888	147,852	76,981	70,861
1923	1,174,065	625,259	546,806	1,028,101	549,623	478,478	145,864	75,636	70,328	140,894	72,378	68,515
1922	1,083,952	575,927	508,025	951,462	507,597	443,885	132,500	68,360	64,140	127,733	65,205	62,528
1921	1,009,673	539,267	476,406	895,593	475,172	420,421	114,080	58,095	50,957	109,597	55,119	



**SECTION 1 - GENERAL MORTALITY - PAGE 2**

**Table 1-1. Deaths by Race and Sex: Death-Registration States, 1900-1932, and United States, 1933-88—Con.**

[Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix.]

Area and year	All races			White			All other						
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black			
							Both sexes	Male	Female	Both sexes	Male	Female	
<b>DEATH-REGISTRATION STATES —Con.</b>													
1912 .....	745,771	408,093	337,678	709,531	388,302	321,228	36,240	19,791	16,449	---	---	---	
1911 .....	749,918	408,133	341,785	713,244	388,238	325,008	36,674	19,895	16,779	33,722	17,850	15,872	
1910 .....	696,856	380,073	316,783	669,475	365,042	304,433	27,381	15,031	12,350	24,908	13,151	11,757	
1909 .....	630,057	341,551	288,506	603,551	327,153	276,398	26,506	14,398	12,108	23,579	12,428	11,151	
1908 .....	567,245	307,359	259,886	542,800	294,173	248,827	24,445	13,186	11,259	21,700	11,226	10,474	
1907 .....	550,245	289,789	250,446	525,259	286,269	238,990	24,986	13,530	11,456	22,482	11,759	10,723	
1906 .....	531,005	287,691	243,314	506,553	274,579	231,974	24,452	13,112	11,340	22,120	11,488	10,632	
1905 .....	345,863	183,085	162,778	334,344	177,105	157,239	11,519	5,980	5,539	11,103	5,700	5,403	
1904 .....	349,855	184,991	164,864	338,301	178,963	159,338	11,554	6,028	5,526	11,129	5,729	5,400	
1903 .....	327,295	172,623	154,672	316,650	167,134	149,516	10,645	5,489	5,156	10,273	5,231	5,042	
1902 .....	318,636	168,639	149,997	308,550	163,387	145,163	10,088	5,252	4,834	9,718	4,966	4,732	
1901 .....	332,203	174,867	157,336	321,948	169,530	152,418	10,255	5,337	4,918	9,834	5,030	4,804	
1900 .....	343,217	179,016	164,201	332,810	173,731	159,079	10,407	5,285	5,122	9,954	4,972	4,882	

1 Alaska included in 1959 and Hawaii in 1960.  
 2 Deaths based on a 50-percent sample.  
 3 Figures by race exclude data for residents of New Jersey; see Technical Appendix.  
 4 Increased in number from 10 States and the District of Columbia in 1900 to the entire conterminous United States in 1933.

SECTION 1 - GENERAL MORTALITY - PAGE 3

Table 1-2. Death Rates by Race and Sex: Death-Registration States, 1900-1932, and United States, 1933-88

[Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix. Rates per 1000 population residing in area for specified group]

Area and year	All races			White			All other						
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black			
							Both sexes	Male	Female	Both sexes	Male	Female	
<b>UNITED STATES 1</b>													
1988	8.8	9.4	8.3	8.1	9.5	8.6	7.6	8.7	6.5	8.7	10.1	7.5	
1987	8.7	9.3	8.1	8.0	9.5	8.5	7.5	8.6	6.4	8.6	9.9	7.4	
1986	8.7	9.4	8.1	8.0	9.5	8.4	7.5	8.6	6.4	8.5	9.8	7.3	
1985	8.7	9.5	8.1	8.0	9.6	8.4	7.4	8.6	6.4	8.5	9.8	7.3	
1984	8.6	9.4	7.9	8.9	9.5	8.2	7.3	8.5	6.3	8.3	9.6	7.1	
1983	8.6	9.4	7.9	8.8	9.6	8.2	7.4	8.5	6.3	8.3	9.6	7.1	
1982	8.5	9.4	7.7	8.7	9.5	8.0	7.3	8.5	6.1	8.2	9.6	6.9	
1981	8.6	9.5	7.8	8.8	9.7	8.0	7.5	8.9	6.3	8.4	9.9	7.1	
1980	8.8	9.8	7.9	8.9	9.8	8.1	7.9	9.4	6.6	8.8	10.3	7.3	
1979	8.5	9.6	7.5	8.7	9.6	7.7	7.7	9.2	6.4	8.4	10.0	7.0	
1978	8.7	9.8	7.6	8.8	9.8	7.8	7.9	9.4	6.5	8.6	10.2	7.1	
1977	8.6	9.8	7.6	8.7	9.8	7.7	8.0	9.5	6.6	8.6	10.3	7.2	
1976	8.8	9.9	7.7	8.9	10.0	7.8	8.1	9.7	6.7	8.8	10.4	7.2	
1975	8.8	10.0	7.6	8.9	10.0	7.8	8.2	9.9	6.7	8.8	10.6	7.3	
1974	9.1	10.3	7.9	9.1	10.3	8.0	8.6	10.3	7.1	9.2	10.9	7.6	
1973	9.3	10.7	8.1	9.4	10.6	8.2	9.0	10.8	7.5	9.6	11.4	8.0	
1972 2	9.4	10.7	8.1	9.4	10.7	8.2	9.2	11.0	7.5	9.7	11.6	8.0	
1971	9.3	10.7	8.0	9.3	10.7	8.1	9.2	10.9	7.6	9.7	11.5	8.1	
1970	9.5	10.9	8.1	9.5	10.9	8.1	9.4	11.2	7.8	10.0	11.9	8.3	
1969	9.5	11.0	8.1	9.5	11.0	8.2	9.6	11.5	8.0	10.1	12.0	8.4	
1968	9.7	11.2	8.2	9.6	11.1	8.2	9.8	11.7	8.2	10.4	12.2	8.7	
1967	9.4	10.9	8.0	9.4	10.8	8.0	9.4	11.0	7.9	9.8	11.5	8.3	
1966	9.5	11.0	8.1	9.5	11.0	8.1	9.7	11.4	8.2	10.2	11.8	8.6	
1965	9.4	10.8	8.0	9.4	10.9	8.0	9.7	11.2	8.2	10.1	11.6	8.6	
1964	9.4	10.9	8.0	9.4	10.8	8.0	9.7	11.2	8.3	10.1	11.7	8.7	
1963 3	9.6	11.1	8.2	9.5	11.0	8.1	10.1	11.6	8.7	---	---	---	
1962 3	9.5	10.9	8.1	9.4	10.8	8.0	9.8	11.2	8.5	---	---	---	
1961	9.3	10.7	7.9	9.3	10.7	7.8	8.6	11.0	8.4	9.9	11.3	8.7	
1960	9.5	11.0	8.1	9.5	11.0	8.0	10.1	11.5	8.7	10.4	11.8	9.1	
1959	9.4	10.8	8.0	9.3	10.8	7.9	9.9	11.3	8.6	---	---	---	
1958	9.5	11.0	8.1	9.4	10.9	8.0	10.3	11.6	9.0	---	---	---	
1957	9.6	11.1	8.1	9.5	11.0	8.0	10.5	11.9	9.1	---	---	---	
1956	9.4	10.8	7.9	9.3	10.8	7.8	10.1	11.4	8.8	---	---	---	
1955	9.3	10.8	7.9	9.2	10.7	7.8	10.0	11.3	8.8	---	---	---	
1954	9.2	10.7	7.8	9.1	10.6	7.6	10.1	11.4	8.8	---	---	---	
1953	9.6	11.1	8.1	9.4	11.0	8.0	10.8	12.3	9.4	---	---	---	
1952	9.6	11.1	8.1	9.4	11.0	8.0	11.0	12.5	9.6	---	---	---	
1951	9.7	11.1	8.2	9.5	11.0	8.0	11.1	12.5	9.8	---	---	---	
1950	9.8	11.1	8.2	9.5	10.9	8.0	11.2	12.5	9.9	---	---	---	
1949	9.7	11.1	8.3	9.5	11.0	8.1	11.2	12.5	10.0	---	---	---	
1948	9.9	11.3	8.5	9.7	11.2	8.3	11.4	12.7	10.1	---	---	---	
1947	10.1	11.5	8.7	9.9	11.4	8.5	11.4	12.5	10.3	---	---	---	
1946	10.0	11.3	8.6	9.8	11.2	8.5	11.1	12.2	10.0	---	---	---	
1945	10.6	12.6	8.8	10.4	12.5	8.6	11.9	13.5	10.5	---	---	---	
1944	10.6	12.4	9.0	10.4	12.2	8.8	12.4	13.8	11.1	---	---	---	
1943	10.9	12.4	9.4	10.7	12.2	9.2	12.8	14.0	11.6	---	---	---	
1942	10.3	11.7	9.0	10.1	11.4	8.7	12.7	14.0	11.4	---	---	---	
1941	10.5	11.8	9.2	10.2	11.4	8.9	13.5	14.8	12.2	---	---	---	
1940	10.8	12.0	9.5	10.4	11.6	9.2	13.8	15.1	12.6	---	---	---	
1939	10.6	11.7	9.5	10.3	11.3	9.2	13.5	14.7	12.4	---	---	---	
1938	10.6	11.7	9.6	10.3	11.3	9.2	14.0	15.2	12.9	---	---	---	
1937	11.3	12.5	10.0	10.8	12.0	9.6	14.9	16.4	13.4	---	---	---	
1936	11.6	12.7	10.4	11.1	12.3	9.9	15.4	16.9	13.9	---	---	---	
1935	10.9	12.0	9.9	10.6	11.8	9.5	14.3	15.6	13.0	---	---	---	
1934	11.1	12.1	10.0	10.6	11.7	9.6	14.8	16.0	13.5	---	---	---	
1933	10.7	11.6	9.7	10.3	11.2	9.3	14.1	15.1	13.1	---	---	---	
<b>DEATH-REGISTRATION STATES 4</b>													
1932	10.9	11.7	10.0	10.5	11.3	9.8	14.5	15.4	13.5	---	---	---	
1931	11.1	12.0	10.1	10.6	11.5	9.6	15.5	16.5	14.5	---	---	---	
1930	11.3	12.3	10.4	10.8	11.7	9.8	16.3	17.4	15.3	---	---	---	
1929	11.9	12.8	11.0	11.3	12.2	10.4	16.9	18.0	15.8	---	---	---	
1928	12.0	12.8	11.1	11.4	12.3	10.5	17.1	18.0	16.2	---	---	---	
1927	11.3	12.1	10.5	10.8	11.6	10.0	16.4	17.2	15.6	---	---	---	
1926	12.1	12.9	11.3	11.6	12.3	10.8	17.8	18.7	16.9	---	---	---	
1925	11.7	12.4	10.9	11.1	11.8	10.4	17.4	18.2	16.6	---	---	---	
1924	11.6	12.3	10.9	11.0	11.8	10.3	17.1	17.9	16.3	---	---	---	
1923	12.1	12.7	11.5	11.7	12.3	11.0	16.5	17.0	16.0	---	---	---	
1922	11.7	12.3	11.1	11.3	11.9	10.7	15.2	15.7	14.8	---	---	---	
1921	11.5	11.9	11.0	11.1	11.6	10.6	15.5	15.7	15.4	---	---	---	
1920	13.0	13.4	12.6	12.6	13.0	12.1	17.7	17.8	17.5	---	---	---	
1919	12.9	13.5	12.3	12.4	13.0	11.8	17.9	18.1	17.8	---	---	---	
1918	18.1	19.8	16.4	17.5	19.3	15.8	25.6	26.7	24.4	---	---	---	
1917	14.0	15.0	12.9	13.5	14.6	12.4	20.4	21.4	19.4	---	---	---	
1916	13.8	14.8	12.8	13.4	14.4	12.4	19.1	19.9	18.4	---	---	---	
1915	13.2	14.0	12.3	12.9	13.7	12.0	20.2	20.8	19.5	---	---	---	
1914	13.3	14.2	12.4	13.0	13.9	12.1	20.2	20.9	19.4	---	---	---	
1913	13.8	14.8	12.8	13.5	14.5	12.5	20.3	21.0	19.6	---	---	---	

**SECTION 1 - GENERAL MORTALITY - PAGE 4**

**Table 1-2. Death Rates by Race and Sex: Death-Registration States, 1900-1932, and United States, 1933-86—Con.**

[Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix. Rates per 1000 population residing in area for specified group]

Area and year	All races			White			All other						
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black			
							Both sexes	Male	Female	Both sexes	Male	Female	
<b>DEATH-REGISTRATION STATES —Con.</b>													
1912	13.6	14.5	12.7	13.4	14.3	12.4	20.6	21.3	19.7	---	---	---	
1911	13.9	14.7	13.0	13.7	14.5	12.8	21.3	21.9	20.6	---	---	---	
1910	14.7	15.6	13.7	14.5	15.4	13.6	21.7	22.3	21.0	---	---	---	
1909	14.2	15.1	13.4	14.0	14.9	13.2	21.8	22.3	21.2	---	---	---	
1908	14.7	15.5	13.8	14.5	15.3	13.6	22.4	22.8	22.0	---	---	---	
1907	15.9	17.0	14.8	15.7	16.8	14.5	24.3	25.0	23.5	---	---	---	
1906	15.7	16.7	14.7	15.5	16.5	14.4	24.2	24.7	23.6	---	---	---	
1905	15.9	16.7	15.0	15.7	16.5	14.8	25.5	26.8	24.3	---	---	---	
1904	16.4	17.3	15.5	16.2	17.1	15.3	26.1	27.6	24.7	---	---	---	
1903	15.6	16.4	14.8	15.4	16.2	14.6	24.5	25.5	23.4	---	---	---	
1902	15.5	16.4	14.6	15.3	16.2	14.4	23.6	24.8	22.3	---	---	---	
1901	16.4	17.3	15.6	16.2	17.1	15.4	24.3	25.6	23.1	---	---	---	
1900	17.2	17.9	16.5	17.0	17.7	16.3	25.0	25.7	24.4	---	---	---	

1 Alaska included in 1959 and Hawaii in 1960.  
 2 Deaths based on a 50-percent sample.  
 3 Figures by race exclude data for residents of New Jersey; see Technical Appendix.  
 4 Increased in number from 10 States and the District of Columbia in 1900 to the entire conterminous United States in 1933.

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Table 1-3. Age-Adjusted Death Rates by Race and Sex: Death-Registration States, 1900-1932, and United States, 1933-88

[Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix. Rates per 1,000 population. Computed by the direct method, using as the standard population the age distribution of the total population of the United States as enumerated in 1940; see Technical Appendix]

Area and year	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
<b>UNITED STATES *</b>												
1988	5.4	7.0	4.0	5.1	6.6	3.9	6.9	9.1	5.2	7.9	10.4	5.9
1987	5.4	7.0	4.0	5.1	6.7	3.8	6.9	9.0	5.2	7.8	10.2	5.9
1986	5.4	7.1	4.1	5.2	6.8	3.9	6.9	9.1	5.3	7.8	10.3	5.9
1985	5.5	7.2	4.1	5.2	6.9	3.9	7.0	9.1	5.3	7.8	10.2	5.9
1984	5.5	7.2	4.1	5.2	6.9	3.9	7.0	9.1	5.3	7.7	10.1	5.9
1983	5.5	7.2	4.1	5.3	7.0	3.9	7.0	9.2	5.4	7.8	10.2	5.9
1982	6.6	7.3	4.1	5.3	7.1	3.9	7.0	9.3	5.3	7.8	10.4	5.8
1981	5.7	7.5	4.2	5.4	7.2	4.0	7.3	9.7	5.5	8.0	10.7	6.0
1980	5.9	7.8	4.3	5.6	7.5	4.1	7.7	10.1	5.8	8.4	11.1	6.3
1979	5.8	7.7	4.2	5.5	7.4	4.0	7.6	9.9	5.7	8.1	10.7	6.1
1978	6.0	7.9	4.4	5.7	7.6	4.2	7.8	10.2	5.9	8.3	10.9	6.2
1977	6.0	8.0	4.4	5.8	7.7	4.2	8.0	10.4	6.0	8.5	11.1	6.4
1976	6.2	8.2	4.6	5.9	7.9	4.3	8.2	10.6	6.2	8.7	11.4	6.5
1975	6.3	8.4	4.6	6.0	8.0	4.4	8.4	10.9	6.3	8.9	11.6	6.7
1974	6.6	8.7	4.9	6.3	8.4	4.6	8.9	11.4	6.8	9.4	12.2	7.2
1973	6.9	9.1	5.1	6.5	8.7	4.8	9.4	12.0	7.3	9.8	12.7	7.8
1972	7.0	9.2	5.2	6.6	8.8	4.9	9.6	12.2	7.4	10.1	13.0	7.7
1971	7.0	9.1	5.2	6.6	8.8	4.9	9.6	12.1	7.5	10.1	12.9	7.9
1970	7.1	9.3	5.3	6.8	8.9	5.0	9.8	12.3	7.7	10.4	13.2	8.1
1969	7.3	9.5	5.4	6.9	9.1	5.1	10.2	12.7	8.0	10.7	13.4	8.4
1968	7.4	9.7	5.6	7.1	9.2	5.2	10.5	12.9	8.3	10.9	13.6	8.7
1967	7.3	9.4	5.5	6.9	9.0	5.1	9.9	12.1	8.0	10.3	12.7	8.3
1966	7.4	9.5	5.6	7.1	9.2	5.3	10.2	12.4	8.3	10.6	13.0	8.6
1965	7.4	9.5	5.6	7.0	9.1	5.3	10.1	12.2	8.3	10.5	12.7	8.6
1964	7.4	9.4	5.7	7.1	9.1	5.3	10.2	12.1	8.5	10.5	12.6	8.7
1963	7.6	9.6	5.8	7.2	9.2	5.4	10.5	12.4	8.8	---	---	---
1962	7.5	9.4	5.8	7.1	9.0	5.4	10.2	11.9	8.7	---	---	---
1961	7.4	9.2	5.7	7.0	8.9	5.4	10.0	11.6	8.5	10.3	12.0	8.6
1960	7.6	9.5	5.8	7.3	9.2	5.6	10.5	12.1	8.9	10.7	12.5	9.2
1959	7.5	9.3	5.9	7.2	9.0	5.5	10.3	11.9	8.8	---	---	---
1958	7.6	9.4	6.0	7.3	9.1	5.6	10.6	12.2	9.2	---	---	---
1957	7.8	9.6	6.1	7.4	9.2	5.7	10.8	12.4	9.4	---	---	---
1956	7.6	9.4	6.0	7.3	9.1	5.7	10.5	11.9	9.1	---	---	---
1955	7.8	9.3	6.1	7.3	9.1	5.7	10.4	11.9	9.1	---	---	---
1954	7.6	9.3	6.1	7.3	9.0	5.7	10.6	12.0	9.2	---	---	---
1953	8.0	9.8	6.4	7.7	9.4	6.1	11.4	13.0	9.9	---	---	---
1952	8.2	9.8	6.6	7.8	9.4	6.2	11.7	13.3	10.2	---	---	---
1951	8.3	9.9	6.7	7.9	9.6	6.3	11.9	13.3	10.5	---	---	---
1950	8.4	10.0	6.9	8.0	9.6	6.5	12.3	13.6	11.0	---	---	---
1949	8.5	10.1	7.0	8.1	9.7	6.6	12.3	13.5	11.1	---	---	---
1948	8.8	10.3	7.3	8.3	10.0	6.8	12.5	13.8	11.2	---	---	---
1947	9.0	10.5	7.5	8.6	10.1	7.1	12.5	13.6	11.4	---	---	---
1946	9.1	10.6	7.7	8.8	10.2	7.3	12.4	13.5	11.3	---	---	---
1945	9.5	11.1	8.0	9.1	10.7	7.5	13.1	14.5	11.9	---	---	---
1944	9.7	11.2	8.3	9.3	10.8	7.8	13.8	14.9	12.6	---	---	---
1943	10.2	11.6	8.7	9.7	11.2	8.2	14.5	15.7	13.4	---	---	---
1942	9.9	11.4	8.5	9.4	10.9	8.0	14.5	15.8	13.3	---	---	---
1941	10.3	11.7	8.9	9.7	11.2	8.3	15.6	16.9	14.3	---	---	---
1940	10.8	12.1	9.4	10.2	11.6	8.8	16.3	17.8	15.0	---	---	---
1939	10.7	12.0	9.5	10.2	11.4	8.0	16.0	17.1	14.9	---	---	---
1938	10.9	12.1	9.7	10.3	11.5	9.1	16.6	17.7	15.5	---	---	---
1937	11.7	13.1	10.3	11.1	12.4	9.7	17.8	19.2	16.3	---	---	---
1936	12.2	13.5	10.8	11.5	12.8	10.1	18.5	20.1	17.0	---	---	---
1935	11.8	12.9	10.4	11.1	12.3	9.8	17.3	18.5	16.1	---	---	---
1934	11.9	13.1	10.7	11.3	12.5	10.0	17.9	19.0	16.7	---	---	---
1933	11.6	12.7	10.5	11.0	12.2	9.9	17.2	18.1	16.4	---	---	---
<b>DEATH-REGISTRATION STATES *</b>												
1932	11.9	12.9	10.8	11.3	12.3	10.2	17.8	18.6	17.0	---	---	---
1931	12.1	13.2	11.0	11.4	12.5	10.3	18.0	19.9	18.1	---	---	---
1930	12.5	13.5	11.3	11.7	12.8	10.6	20.1	21.0	19.2	---	---	---
1929	13.2	14.2	12.1	12.4	13.5	11.4	21.0	21.9	20.0	---	---	---
1928	13.4	14.4	12.3	12.6	13.6	11.5	20.9	21.7	20.2	---	---	---
1927	12.6	13.5	11.6	11.9	12.8	10.9	19.8	20.4	19.3	---	---	---
1926	13.5	14.3	12.5	12.7	13.6	11.8	21.4	22.1	20.6	---	---	---
1925	13.0	13.8	12.2	12.3	13.2	11.4	20.9	21.4	20.4	---	---	---
1924	12.9	13.7	12.1	12.2	13.1	11.3	20.5	21.1	20.0	---	---	---
1923	13.5	14.2	12.8	12.9	13.7	12.1	19.8	20.0	19.7	---	---	---
1922	13.0	13.7	12.4	12.6	13.3	11.8	18.3	18.4	18.4	---	---	---
1921	12.7	13.2	12.1	12.2	12.7	11.6	18.2	18.0	18.6	---	---	---
1920	14.2	14.7	13.8	13.7	14.2	13.1	20.6	20.4	21.0	---	---	---
1919	14.0	14.6	13.4	13.4	14.1	12.8	20.5	20.3	20.8	---	---	---
1918	18.0	20.8	17.3	18.4	20.2	16.6	28.0	28.9	27.1	---	---	---
1917	15.3	16.5	14.0	14.7	16.0	13.4	23.4	24.1	22.7	---	---	---
1916	15.1	16.2	13.9	14.7	15.8	13.4	22.2	22.6	21.6	---	---	---
1915	14.4	15.4	13.4	14.1	15.1	13.0	23.1	23.5	22.6	---	---	---
1914	14.5	15.6	13.4	14.1	15.2	13.0	22.6	23.3	21.9	---	---	---
1913	15.0	16.1	13.7	14.6	15.8	13.4	22.7	23.3	22.0	---	---	---

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**Table 1-3. Age-Adjusted Death Rates by Race and Sex: Death-Registration States, 1900-1932, and United States, 1933-88—Con.**

[Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix. Rates per 1,000 population. Computed by the direct method, using as the standard population the age distribution of the total population of the United States as enumerated in 1940; see Technical Appendix]

Area and year	All races			White			All other						
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black			
							Both sexes	Male	Female	Both sexes	Male	Female	
<b>DEATH-REGISTRATION STATES ←—Con.</b>													
1912 .....	14.8	16.0	13.7	14.6	15.7	13.4	23.1	24.0	22.2	---	---	---	
1911 .....	15.2	16.2	14.1	14.9	15.9	13.8	23.7	24.4	22.9	---	---	---	
1910 .....	15.8	16.9	14.6	15.6	16.7	14.4	24.1	24.8	23.2	---	---	---	
1909 .....	15.3	16.3	14.2	15.0	16.1	14.0	24.1	24.8	23.3	---	---	---	
1908 .....	15.8	16.8	14.6	15.5	16.6	14.4	24.7	25.3	24.1	---	---	---	
1907 .....	17.1	18.4	15.7	16.8	18.2	15.4	26.6	27.6	26.7	---	---	---	
1906 .....	16.7	17.9	15.4	16.4	17.6	15.1	26.2	27.0	26.5	---	---	---	
1905 .....	18.7	17.8	15.7	18.5	17.6	15.4	28.3	29.7	26.9	---	---	---	
1904 .....	17.3	18.4	16.2	17.1	18.1	16.0	29.1	30.7	27.4	---	---	---	
1903 .....	16.5	17.4	15.5	16.2	17.2	15.3	27.2	28.5	25.9	---	---	---	
1902 .....	16.2	17.2	15.1	16.0	17.0	14.9	25.9	27.5	24.5	---	---	---	
1901 .....	17.2	18.2	16.2	17.0	18.0	16.0	26.9	28.4	25.5	---	---	---	
1900 .....	17.8	18.6	17.0	17.6	18.4	16.8	27.8	28.7	27.1	---	---	---	

1 Alaska included in 1959 and Hawaii in 1960.  
 2 Deaths based on a 50-percent sample.  
 3 Figures by race exclude data for residents of New Jersey; see Technical Appendix.  
 4 Increased in number from 10 States and the District of Columbia in 1900 to the entire conterminous United States in 1933.

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Table 1-4. Death Rates by 10-Year Age Groups, Race, and Sex: United States, 1970 and 1976-88

[Rates per 100,000 population in specified group]

Year, race, and sex	Total *	Under 1 year *	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
<b>ALL RACES</b>												
1988	882.0	1,008.3	50.9	25.8	102.1	135.4	219.6	486.2	1,235.6	2,729.8	6,321.3	15,594.0
1987	872.4	1,018.5	51.6	25.6	99.4	133.2	214.1	498.0	1,241.3	2,751.3	6,282.5	15,320.8
1986	873.2	1,032.1	52.0	26.0	102.3	132.1	212.9	504.8	1,255.1	2,801.4	6,348.2	15,398.9
1985	873.9	1,067.8	51.4	26.3	95.9	128.4	207.2	518.3	1,282.7	2,838.6	6,445.1	15,480.3
1984	862.3	1,085.6	51.9	26.7	98.8	121.1	204.8	521.1	1,287.8	2,848.1	6,398.3	15,223.6
1983	862.8	1,107.3	55.9	26.9	96.0	121.4	201.9	535.7	1,299.5	2,874.3	6,441.5	15,168.0
1982	852.0	1,164.2	57.6	28.3	101.0	125.2	207.4	549.7	1,297.9	2,885.2	6,329.8	15,048.3
1981	862.4	1,207.3	60.2	29.4	107.1	132.1	221.3	573.5	1,322.1	2,922.3	6,429.9	15,379.7
1980	878.3	1,288.3	63.9	30.6	115.4	135.5	227.9	584.0	1,346.3	2,994.9	6,652.6	15,980.3
1979	852.2	1,332.9	64.2	31.5	114.8	133.0	228.8	588.7	1,338.0	2,929.0	6,496.6	14,962.4
1978	868.0	1,381.4	67.9	33.2	115.0	131.7	238.7	610.4	1,387.1	3,015.9	6,709.7	15,479.6
1977	864.4	1,432.6	67.6	34.0	114.8	132.8	247.3	621.2	1,408.5	3,044.1	6,755.7	15,389.0
1976	877.6	1,549.4	68.8	34.2	111.7	133.2	253.9	638.3	1,452.3	3,118.1	6,852.0	16,058.6
1970	945.3	2,142.4	84.5	41.3	127.7	157.4	314.5	730.0	1,658.8	3,582.7	8,004.4	16,344.9
<b>MALE</b>												
1988	940.0	1,119.7	56.5	30.9	151.0	196.7	301.4	629.0	1,606.9	3,573.8	8,223.2	18,970.8
1987	934.7	1,128.6	57.5	31.9	146.1	192.6	281.8	644.2	1,624.6	3,617.8	8,224.4	18,031.1
1986	940.7	1,152.7	57.9	31.7	151.4	182.7	288.1	653.1	1,648.2	3,701.4	8,353.0	18,187.4
1985	945.0	1,197.0	58.1	31.6	141.1	178.0	278.3	689.0	1,692.8	3,787.7	8,504.2	18,325.1
1984	935.9	1,198.2	57.0	32.1	141.6	173.9	270.2	676.6	1,705.2	3,813.0	8,445.9	18,119.1
1983	942.6	1,223.7	63.3	32.5	140.4	174.6	265.8	694.5	1,725.6	3,885.4	8,539.1	17,977.4
1982	938.0	1,291.5	63.3	34.1	149.2	180.6	272.6	720.4	1,736.1	3,923.2	8,391.4	17,762.0
1981	954.5	1,331.8	67.3	35.7	158.3	190.6	281.9	751.7	1,774.7	3,994.6	8,519.6	18,158.2
1980	976.9	1,428.5	72.6	36.7	172.3	196.1	292.2	787.3	1,815.2	4,105.2	8,816.7	18,801.1
1979	957.5	1,482.0	71.0	38.4	171.0	192.3	301.0	778.9	1,815.4	4,048.0	8,565.4	17,604.4
1978	977.5	1,532.8	76.7	40.5	169.4	185.8	311.6	802.1	1,884.5	4,181.5	8,835.6	18,211.8
1977	978.9	1,599.7	75.2	41.8	169.2	188.5	321.2	818.1	1,915.7	4,224.3	8,999.1	18,071.6
1976	993.8	1,715.0	76.9	41.9	164.8	187.0	329.8	837.7	1,981.6	4,331.4	9,077.6	18,666.5
1970	1,090.3	2,410.0	93.2	50.5	188.5	215.3	402.6	950.5	2,202.7	4,873.6	10,010.2	17,621.5
<b>FEMALE</b>												
1988	826.9	897.7	45.0	20.4	52.1	74.0	140.0	350.9	904.7	2,056.1	5,173.3	14,508.1
1987	813.1	902.2	45.4	19.0	51.7	73.8	138.6	359.8	900.3	2,062.6	5,117.6	14,260.9
1986	809.3	905.8	45.8	19.9	52.3	71.8	139.8	364.8	906.1	2,090.8	5,151.9	14,297.5
1985	806.6	932.4	44.5	20.8	49.9	68.9	138.3	372.5	918.0	2,084.7	5,219.9	14,343.2
1984	792.7	967.5	46.5	21.1	51.1	68.5	141.5	374.6	918.4	2,096.4	5,188.2	14,053.9
1983	787.4	985.4	48.3	21.0	50.7	68.9	140.2	386.0	923.8	2,092.3	5,200.0	14,010.6
1982	770.7	1,030.8	51.6	22.3	51.6	70.4	144.4	389.9	913.9	2,084.7	5,120.7	13,895.2
1981	775.4	1,076.7	52.8	22.8	54.8	74.3	153.2	406.9	925.2	2,100.6	5,201.0	14,202.5
1980	785.3	1,141.7	54.7	24.2	57.5	75.8	159.3	412.9	934.3	2,144.7	5,440.1	14,746.9
1979	752.7	1,176.6	57.0	24.3	57.6	74.8	161.4	413.4	917.7	2,072.3	5,270.7	13,788.2
1978	764.5	1,222.7	58.8	25.6	59.6	77.5	168.6	431.7	948.2	2,125.3	5,444.1	14,245.0
1977	756.0	1,257.0	59.7	25.8	59.6	78.2	176.4	437.9	959.8	2,141.1	5,473.5	14,127.6
1976	767.6	1,375.2	60.4	26.1	57.7	80.5	181.1	447.1	983.8	2,188.8	5,688.4	14,833.6
1970	807.8	1,863.7	75.4	31.8	68.1	101.6	231.1	517.2	1,098.9	2,579.7	6,977.6	15,516.0
<b>WHITE</b>												
1988	905.1	832.0	45.7	23.9	95.1	116.2	188.0	438.8	1,173.0	2,667.6	6,282.9	15,875.6
1987	895.5	845.1	46.4	24.1	93.8	115.7	184.2	451.9	1,182.1	2,688.9	6,247.6	15,580.5
1986	896.2	870.7	46.6	24.4	98.8	115.1	184.6	458.7	1,193.8	2,741.2	6,312.6	15,639.1
1985	897.1	916.3	46.2	24.8	92.9	108.4	181.0	471.5	1,218.7	2,722.8	6,408.8	15,757.0
1984	885.2	931.8	46.9	25.4	94.7	107.2	179.1	477.1	1,223.7	2,784.6	6,367.2	15,506.3
1983	884.6	948.1	50.8	25.6	93.2	107.6	177.8	490.8	1,233.0	2,808.0	6,415.6	15,477.4
1982	872.9	1,018.5	52.8	27.0	98.3	110.2	182.7	504.0	1,233.9	2,822.3	6,328.3	15,266.9
1981	880.3	1,082.0	54.3	28.0	104.6	116.2	192.5	524.9	1,255.7	2,855.9	6,423.4	15,623.0
1980	892.5	1,099.9	57.9	29.1	112.0	118.4	197.2	531.6	1,276.7	2,921.1	6,664.9	16,220.0
1979	865.2	1,135.5	57.5	30.1	111.8	115.8	198.6	538.5	1,272.5	2,961.7	6,501.9	15,223.1
1978	880.2	1,169.2	61.2	31.5	111.6	114.9	206.3	559.2	1,318.5	2,945.8	6,734.8	15,761.1
1977	874.6	1,221.4	61.1	32.4	110.8	114.9	213.6	567.6	1,338.2	2,969.5	6,542.8	15,490.6
1976	887.7	1,320.1	62.6	32.7	106.0	113.7	218.7	580.6	1,383.5	3,039.0	7,007.5	16,372.5
1970	946.3	1,869.7	75.1	39.1	115.8	129.9	267.0	666.2	1,577.1	3,490.1	8,043.3	16,889.7
<b>WHITE, MALE</b>												
1988	962.2	830.6	51.0	28.9	138.7	169.6	257.2	564.6	1,590.2	3,504.5	8,201.6	18,814.9
1987	947.8	842.1	52.0	30.0	137.3	167.8	249.6	582.8	1,552.6	3,548.4	8,212.2	18,434.9
1986	954.4	876.6	52.2	29.9	145.9	168.8	248.4	592.2	1,573.1	3,634.8	8,341.7	18,576.1
1985	960.0	1,036.9	52.4	29.9	136.3	157.1	241.4	608.8	1,614.3	3,716.8	8,500.4	18,788.9
1984	951.1	1,038.4	51.8	30.5	136.8	164.3	235.1	617.9	1,625.6	3,745.3	8,459.1	18,552.7
1983	957.4	1,052.9	57.3	31.1	137.0	154.8	232.9	636.5	1,642.9	3,816.1	8,556.9	18,443.3
1982	951.8	1,135.5	58.2	32.5	145.6	158.7	238.6	659.9	1,654.6	3,859.8	8,444.7	18,123.1
1981	965.1	1,182.0	60.5	34.2	154.5	167.3	262.4	686.5	1,692.0	3,926.9	8,565.2	18,454.0
1980	983.3	1,230.3	68.1	35.0	167.0	171.3	257.4	698.9	1,728.5	4,035.7	8,829.8	19,097.3
1979	963.3	1,276.0	64.2	36.6	167.0	166.7	257.5	711.3	1,734.5	3,991.5	8,624.0	17,924.0
1978	982.7	1,302.9	69.9	38.3	164.8	162.3	267.0	735.2	1,800.9	4,120.8	8,923.3	18,587.9
1977	983.0	1,377.4	68.1	39.7	164.0	162.0	275.7	748.9	1,831.8	4,163.2	9,006.7	18,420.8
1976	997.3	1,473.1	70.5	40.0	158.8	158.5	282.8	767.0	1,900.2	4,266.5	9,208.3	19,108.2
1970	1,086.7	2,113.2	83.6	48.0	170.8	176.8	343.5	882.9	2,202.6	4,810.1	10,098.8	18,551.7
<b>WHITE, FEMALE</b>												
1988	860.0	728.2	40.2	18.6	49.2	61.7	119.1	317.2	850.5	1,995.9	5,129.3	14,755.9
1987	845.5	742.9	40.5	17.9	49.1	62.6	119.3	325.7	848.5	2,001.8	5,075.2	14,488.9
1986	840.7	759.1	40.7	18.6	50.4	60.4	121.3	330.3	883.3	2,031.8	5,108.7	14,602.9
1985	837.1	786.9	39.7	19.4	48.4	58.9	121.2	339.5	864.1	2,028.3	5,171.4	14,579.4
1984	822.3	818.5	41.6	20.0	49.6	59.5	123.9	341.9	864.9	2,032.5	5,140.0	14,319.6
1983	815.3	837.6	43.9	19.7	48.3	60.1	123.4	351.0	867.8	2,024.7	5,162.2	14,278.3
1982	797.9	895.2	47.0	21.2	49.5	61.3	127.7	355.1	859.9	2,022.9	5,100.7	14,123.9
1981	799.6	935.4	47.7	21.6	53.2	64.7	133.6	370.9	869.4	2,032.8	5,176.3	14,438.2
1980	806.1	962.5	49.3	22.9	55.5	65.4	138.2	372.7	876.2	2,066.6	5,401.7	14,976.6
1979	771.8	986.7	50.4	23.2	55.2	64.7	140.9	374.5	862.8	1,997.9	5,258.6	14,027.9
1978	782.7	1,027.5	52.0	24.4	57.0	67.5	146.7	392.8	890.0	2,049.3	5,447.1	14,501.5
1977	771.3	1,056.7	53.7	24.8	56.3	67.8	152.8	396.4	899.0	2,057.2	5,482.8	14,384.9
1976	783.1	1,159.0	54.8	25.0	54.0	68.9	156.2	405.1	923.4	2,102.9	5,697.0	15,121.7
1970	812.6	1,614.6	66.1	29.9	61.6	84.1	193.3	462.9	1,014.9			

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Table 1-4. Death Rates by 10-Year Age Groups, Race, and Sex: United States, 1970 and 1976-88—Con.

[Rates per 100,000 population in specified group]

Year, race, and sex	Total <sup>1</sup>	Under 1 year <sup>2</sup>	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
<b>ALL OTHER</b>												
1988	757.5	1,745.3	72.3	33.4	133.2	235.2	408.4	783.7	1,684.2	3,249.8	6,692.0	12,789.6
1987	745.8	1,757.0	73.6	31.8	124.9	225.7	396.7	766.7	1,677.2	3,266.6	6,629.7	12,683.3
1986	745.6	1,719.2	75.0	32.5	118.9	223.4	367.9	795.1	1,719.2	3,321.2	6,708.9	12,917.6
1985	743.3	1,720.8	73.8	32.8	110.3	204.5	372.4	805.2	1,781.2	3,412.8	6,827.6	12,516.1
1984	731.5	1,735.4	73.6	32.4	106.7	197.3	369.1	811.2	1,797.7	3,406.2	6,721.9	11,996.5
1983	736.6	1,802.0	78.5	32.7	109.4	198.6	357.6	838.7	1,841.1	3,464.5	6,895.1	11,798.8
1982	728.9	1,745.5	78.4	34.3	114.4	210.3	367.1	888.2	1,840.0	3,458.5	6,344.3	12,159.8
1981	755.0	1,786.5	87.3	35.6	120.0	226.2	408.2	921.0	1,890.8	3,531.9	6,478.6	12,547.9
1980	791.7	2,148.5	91.4	37.4	133.6	239.1	428.9	967.7	1,954.9	3,694.3	6,984.3	13,227.1
1979	771.0	2,260.6	95.6	38.3	130.9	241.9	440.6	975.2	1,919.0	3,548.6	6,441.4	11,931.6
1978	790.0	2,405.1	99.9	41.5	133.6	239.4	458.3	1,004.5	2,005.4	3,670.7	6,452.1	12,250.0
1977	798.6	2,455.6	98.5	41.6	137.6	250.9	474.5	1,044.1	2,050.3	3,751.1	6,396.6	12,234.4
1976	812.1	2,670.8	97.5	41.8	144.2	264.3	492.8	1,076.5	2,087.3	3,868.6	6,380.9	12,375.8
1970	938.4	3,597.1	134.1	53.7	203.6	348.7	664.3	1,280.9	2,431.1	4,488.4	7,511.1	10,750.3
<b>ALL OTHER, MALE</b>												
1988	872.7	1,891.0	79.8	38.9	202.1	345.1	587.3	1,065.7	2,185.8	4,175.6	8,401.2	14,554.7
1987	861.5	1,938.0	81.1	39.9	186.6	331.6	570.9	1,057.9	2,181.8	4,230.8	8,340.0	14,514.5
1986	862.7	1,911.8	82.3	39.6	177.4	329.0	554.0	1,060.2	2,245.8	4,295.7	8,459.3	14,757.5
1985	858.6	1,888.0	82.8	38.7	164.2	298.5	529.9	1,087.4	2,335.6	4,424.9	8,540.1	14,376.6
1984	846.4	1,905.2	79.5	39.0	155.7	289.1	513.2	1,085.0	2,370.5	4,426.4	8,320.3	14,128.4
1983	854.9	1,976.3	89.5	38.7	157.2	292.9	495.5	1,117.4	2,431.9	4,521.8	8,398.0	13,478.4
1982	854.8	1,921.1	85.7	41.2	167.8	313.0	509.5	1,176.7	2,457.7	4,571.7	7,918.1	14,386.4
1981	869.4	1,934.3	90.8	43.0	178.5	338.8	567.5	1,255.7	2,522.6	4,626.0	8,056.0	14,685.9
1980	936.5	2,350.2	103.0	44.9	201.6	357.8	594.2	1,309.1	2,606.3	4,747.2	8,688.5	15,774.9
1979	920.3	2,468.0	103.7	47.1	193.6	366.3	619.7	1,327.6	2,583.9	4,737.3	7,973.5	14,282.7
1978	943.2	2,652.2	109.2	51.8	195.8	387.3	639.5	1,357.3	2,667.3	4,749.5	7,978.2	14,380.3
1977	951.7	2,692.3	109.2	52.4	199.5	377.3	653.8	1,402.2	2,710.2	4,773.4	7,875.1	14,510.7
1976	969.8	2,921.8	108.3	51.8	212.1	393.3	676.4	1,445.1	2,756.7	4,934.5	7,877.8	14,241.8
1970	1,115.9	4,020.0	144.7	65.0	304.6	504.1	873.5	1,646.1	3,046.6	5,474.4	8,881.0	11,405.2
<b>ALL OTHER, FEMALE</b>												
1988	652.2	1,600.0	64.6	27.7	64.6	134.3	255.9	548.4	1,274.5	2,550.1	5,826.3	11,960.1
1987	640.0	1,571.5	65.8	23.5	63.5	129.5	248.4	559.4	1,265.1	2,571.2	5,542.5	11,809.8
1986	638.8	1,521.8	67.5	25.2	60.9	128.0	246.0	568.9	1,267.7	2,599.7	5,591.5	12,025.5
1985	638.1	1,550.3	64.6	26.7	57.1	120.0	238.7	570.7	1,329.3	2,659.2	5,741.9	11,688.6
1984	627.0	1,603.0	67.4	25.7	58.4	115.3	246.3	575.9	1,328.8	2,648.8	5,891.1	11,104.7
1983	629.2	1,618.9	67.2	26.5	62.4	115.1	240.8	607.5	1,359.4	2,682.6	5,607.8	10,944.5
1982	614.5	1,560.7	71.0	27.3	61.7	119.1	245.8	615.7	1,346.8	2,637.3	5,329.5	11,130.5
1981	633.0	1,634.5	75.6	28.2	62.8	127.3	272.4	646.1	1,383.1	2,715.2	5,463.9	11,371.7
1980	660.6	1,944.1	79.5	29.8	68.0	135.7	288.3	687.8	1,423.1	2,856.2	5,863.3	11,922.3
1979	635.7	2,049.7	87.4	29.3	70.4	134.1	290.2	686.1	1,388.3	2,763.1	5,418.2	10,828.8
1978	651.0	2,151.8	80.4	31.2	73.7	137.6	306.2	713.2	1,456.0	2,895.5	5,425.2	11,239.4
1977	659.8	2,213.0	87.6	30.7	78.0	142.0	324.3	747.2	1,499.6	2,948.0	5,372.3	11,008.7
1976	668.6	2,425.3	86.5	31.8	78.8	153.2	339.1	768.0	1,526.9	3,025.4	5,357.7	11,328.6
1970	775.3	3,169.4	123.3	42.3	108.8	215.7	490.5	979.4	1,886.9	3,675.6	6,392.6	10,288.9
<b>BLACK</b>												
1988	874.2	1,996.6	80.8	36.0	145.2	275.4	499.3	924.6	1,923.9	3,649.7	7,440.9	13,482.5
1987	856.9	2,003.7	82.1	33.9	135.0	263.1	480.4	923.0	1,907.1	3,666.6	7,313.9	13,222.6
1986	854.2	1,955.3	83.8	34.5	126.5	259.1	465.8	928.6	1,955.6	3,697.9	7,398.4	13,515.2
1985	845.7	1,951.1	80.0	34.8	115.9	235.4	443.7	935.7	2,007.5	3,759.0	7,407.4	13,076.0
1984	828.5	1,984.1	78.8	35.2	111.9	226.7	435.9	932.4	2,016.0	3,740.0	7,254.4	12,468.9
1983	830.5	2,032.9	85.3	34.5	114.4	226.1	417.2	956.6	2,059.7	3,773.6	7,215.8	12,320.9
1982	819.2	1,963.2	84.9	36.9	118.7	240.4	429.9	987.3	2,053.9	3,769.2	6,773.3	12,792.4
1981	841.7	1,992.7	93.6	37.7	124.3	255.9	470.5	1,041.1	2,084.4	3,816.3	6,904.8	13,073.7
1980	875.4	2,358.6	97.6	39.0	138.3	269.5	489.9	1,087.8	2,146.8	3,832.9	7,382.6	13,610.8
1979	839.3	2,443.9	100.1	40.1	133.4	286.0	492.8	1,083.8	2,080.6	3,763.7	6,628.8	12,143.6
1978	855.1	2,596.1	104.6	43.2	136.1	262.5	508.2	1,105.9	2,159.0	3,876.0	6,589.2	12,550.7
1977	864.0	2,652.2	103.2	43.1	139.8	275.5	526.4	1,146.7	2,200.3	3,970.1	6,566.4	12,566.4
1976	875.0	2,888.4	103.0	43.0	147.6	289.0	541.4	1,176.6	2,228.7	4,090.3	6,482.3	12,782.9
1970	999.3	3,835.6	140.0	55.5	212.4	381.2	724.9	1,383.8	2,570.6	4,719.4	7,860.7	11,300.5
<b>BLACK, MALE</b>												
1988	1,006.8	2,167.7	90.6	42.1	223.3	409.7	728.3	1,282.2	2,477.5	4,695.3	9,419.9	15,454.3
1987	989.5	2,211.4	90.5	42.5	203.9	389.8	701.5	1,263.6	2,464.7	4,737.6	9,240.7	15,226.1
1986	987.7	2,181.7	90.9	42.0	190.5	385.6	675.9	1,266.5	2,545.5	4,789.9	9,290.8	15,488.1
1985	976.6	2,134.8	89.0	41.3	174.1	347.4	641.8	1,283.3	2,623.1	4,888.7	9,298.4	15,046.2
1984	958.1	2,136.8	85.2	42.4	163.9	335.6	616.0	1,273.5	2,658.3	4,874.5	9,023.1	14,842.9
1983	963.3	2,243.4	96.8	40.9	165.0	335.8	586.5	1,287.3	2,713.1	4,949.3	9,100.0	14,155.6
1982	960.4	2,168.9	93.4	44.4	175.4	360.3	606.7	1,352.1	2,758.1	5,046.1	8,477.2	15,117.9
1981	991.6	2,164.8	105.3	45.2	186.7	387.1	667.9	1,432.5	2,804.1	5,046.3	8,635.1	15,396.4
1980	1,034.1	2,586.7	110.5	47.4	209.1	407.3	689.8	1,478.9	2,873.0	5,131.1	9,231.6	16,098.8
1979	999.6	2,666.5	108.1	49.3	197.8	404.4	699.7	1,478.3	2,794.6	4,916.8	8,165.5	14,465.4
1978	1,016.6	2,822.5	114.0	53.9	195.4	392.5	713.5	1,489.5	2,888.7	5,078.8	8,072.0	14,500.0
1977	1,028.0	2,914.7	114.8	54.4	203.1	416.3	730.8	1,543.8	2,929.7	5,117.0	8,034.7	14,730.6
1976	1,041.6	3,168.1	113.6	53.4	217.9	451.8	752.4	1,583.3	2,981.9	5,280.3	7,979.1	14,744.7
1970	1,166.6	4,298.9	150.5	67.1	320.6	559.5	956.6	1,777.5	3,256.9	5,803.2	9,454.9	12,222.3
<b>BLACK, FEMALE</b>												
1988	754.5	1,821.5	70.7	29.8	89.0	165.5	307.7	633.8	1,485.5	2,874.9	6,255.3	12,694.3
1987	737.3	1,791.5	73.5	25.0	87.9	150.0	295.9	646.3	1,445.0	2,874.5	6,145.7	12,313.2
1986	733.9	1,731.1	76.5	26.9	64.3	146.5	290.2	654.6	1,469.8	2,892.3	6,148.8	12,510.3
1985	727.7	1,756.6	70.8	28.1	59.5	135.3	278.4	654.0	1,501.7	2,925.7	6,252.0	12,154.7
1984	712.0	1,789.1	72.2	27.8	61.6	130.6	285.7	655.0	1,489.7	2,907.4	6,184.1	11,439.1
1983	711.2	1,818.6	73.6	28.0	65.6	130.0	276.1	688.8	1,526.3	2,930.6	6,064.6	11,329.5
1982	692.4	1,760.1	76.4	29.4	63.5	134.8	282.7	693.1	1,498.3	2,862.0	5,708.5	11,680.0
1981	707.3	1,823.4	81.6	30.0	64.0	141.1	306.1	723.9	1,527.9	2,929.7	5,822.3	11,933.0
1980	739.3	2,123.7	84.4	30.5	70.5	150.0	329.9	768.2	1,561.0	3,057.4	6,212.1	12,367.2
1979	695.3	2,208.2	91.9	30.8	71.8	146.0	321.2	759.2	1,502.7	2,914.6	5,594.4	10,982.7
1978	709.5	2,324.3	95.0	32.4	75.7	150.0	337.9	780.9	1,564.8	2,980.3	5,565.9	11,546.5
1977	718.0	2,384.2	91.3	31.6	79.3	154.0	356.6	817.9	1,605.1	3,109.1	5,502.0	11,398.3
1976	724.5	2,604.9	92.2</									

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Table 1-5. Deaths at Ages 85 Years and Over, by Single Years of Age, Race, and Sex: United States, 1988

Age	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
85 years and over .....	459,710	151,559	308,151	139,042	289,264	12,517	21,887	10,818	20,057
85 years .....	55,115	22,448	32,667	20,523	30,171	1,925	2,496	1,668	2,311
86 years .....	50,455	19,711	30,744	18,124	28,452	1,587	2,292	1,344	2,093
87 years .....	50,403	18,411	31,992	16,713	29,353	1,698	2,639	1,454	2,443
88 years .....	45,970	16,242	29,728	14,716	27,320	1,526	2,408	1,316	2,221
89 years .....	40,531	13,600	26,931	12,645	25,356	955	1,575	814	1,428
90 years .....	37,921	12,217	25,704	11,347	24,066	870	1,638	740	1,488
91 years .....	33,496	10,354	23,132	9,621	21,691	733	1,441	625	1,317
92 years .....	30,637	9,107	21,530	8,459	20,270	648	1,260	575	1,157
93 years .....	26,141	7,478	18,663	6,900	17,497	578	1,166	512	1,054
94 years .....	21,613	5,853	15,760	5,448	14,774	405	986	364	906
95 years .....	17,789	4,654	13,144	4,285	12,293	369	851	395	781
96 years .....	14,014	3,520	10,494	3,220	9,764	300	730	279	667
97 years .....	10,482	2,532	7,950	2,334	7,426	188	532	172	479
98 years .....	7,984	1,857	6,127	1,885	5,685	182	432	168	390
99 years .....	5,941	1,284	4,657	1,148	4,302	136	355	116	322
100 years .....	4,046	867	3,179	753	2,681	114	288	95	273
101 years .....	2,605	522	2,083	459	1,881	83	202	45	183
102 years .....	1,759	342	1,417	282	1,244	60	173	52	159
103 years .....	1,110	239	871	180	781	59	110	54	105
104 years .....	679	137	536	105	485	32	71	25	62
105 years .....	404	72	332	55	272	17	60	16	54
106 years .....	250	43	207	27	145	16	62	16	58
107 years .....	151	22	129	14	95	8	34	7	34
108 years .....	87	16	69	7	47	11	22	11	22
109 years .....	38	8	30	4	16	4	14	3	12
110 years .....	32	7	25	3	12	4	13	4	11
111 years .....	9	-	9	-	5	-	4	-	4
112 years .....	11	3	8	2	3	1	5	1	5
113 years .....	6	2	4	1	1	1	3	1	3
114 years .....	10	5	5	1	1	4	4	3	4
115 years .....	5	2	3	-	-	2	3	2	3
116 years .....	2	-	2	-	-	-	2	-	2
117 years .....	3	-	3	-	1	-	2	-	2
118 years .....	3	1	2	1	1	-	1	-	1
119 years .....	-	-	-	-	-	-	-	-	-
120 years .....	2	1	1	-	-	1	1	1	1
121 years .....	-	-	-	-	-	-	-	-	-
122 years .....	1	-	1	-	-	-	1	-	1
123 years .....	1	-	1	-	-	-	1	-	1
124 years .....	-	-	-	-	-	-	-	-	-
125 years and over .....	1	-	1	-	1	-	-	-	-



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**Table 1-6. Mortality From 15 Leading Causes of Death: United States, 1988**

[Rates per 100,000 population. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix. For method of ranking see Technical Appendix.]

Cause of death and rank order	Rate	Percent of total deaths
All causes .....	882.0	100.0
1 Diseases of heart (390-398,402,404-429) .....	311.3	35.3
2 Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	187.3	22.4
3 Cerebrovascular diseases (430-438) .....	61.2	6.9
4 Accidents and adverse effects (E800-E849) .....	39.5	4.5
... Motor vehicle accidents (E810-E825) .....	20.0	2.3
... All other accidents and adverse effects (E800-E807,E826-E849) .....	19.5	2.2
5 Chronic obstructive pulmonary diseases and allied conditions (480-496) .....	33.7	3.8
6 Pneumonia and influenza (480-487) .....	31.8	3.6
7 Diabetes mellitus (250) .....	18.4	1.9
8 Suicide (E950-E959) .....	12.4	1.4
9 Chronic liver disease and cirrhosis (571) .....	10.7	1.2
10 Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	9.1	1.0
11 Atherosclerosis (440) .....	9.0	1.0
12 Homicide and legal intervention (E960-E978) .....	9.0	1.0
13 Septicemia (038) .....	8.5	1.0
14 Certain conditions originating in the perinatal period (760-779) .....	7.4	.8
15 Human immunodeficiency virus infection (*042-*044) .....	6.8	.8
... All other causes .....	118.1	13.4

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Table 1-7. Death Rates for 72 Selected Causes: United States, 1979-88

[Rates per 100,000 population. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
All causes	862.0	872.4	873.2	873.0	862.3	862.8	852.0	862.4	878.3	852.2
Shigellosis and amebiasis (004,006)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Certain other intestinal infections (007-009)	.1	.1	.1	.1	.1	.2	.1	.2	.2	.1
Tuberculosis (010-018)	.8	.7	.7	.7	.7	.8	.8	.8	.9	.9
Tuberculosis of respiratory system (010-012)	.6	.6	.6	.6	.6	.6	.6	.7	.7	.7
Other tuberculosis (013-018)	.2	.1	.2	.2	.2	.2	.1	.2	.2	.2
Whooping cough (033)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Streptococcal sore throat, scarlatina, and erysipelas (034-035)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Meningococcal infection (036)	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2
Septicemia (038)	8.5	8.2	7.8	7.2	6.4	5.7	5.0	4.6	4.2	3.6
Acute poliomyelitis (045)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Measles (055)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Viral hepatitis (070)	.5	.5	.4	.4	.4	.4	.4	.4	.4	.3
Syphilis (090-097)	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044,046-054,056-066,071-088,098-199)	9.5	8.0	3.9	3.1	2.6	2.1	1.9	1.9	1.8	1.6
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	197.3	195.9	194.7	193.3	191.8	189.3	187.2	184.0	183.9	179.6
Malignant neoplasms of lip, oral cavity, and pharynx (140-149)	3.3	3.3	3.4	3.5	3.6	3.9	3.7	3.7	3.8	3.8
Malignant neoplasms of digestive organs and peritoneum (150-159)	47.8	48.2	48.3	48.8	49.3	48.7	48.6	48.5	48.8	48.6
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	58.2	55.5	54.1	53.3	52.3	51.3	50.2	48.5	47.9	45.9
Malignant neoplasm of breast (174-175)	17.3	16.9	16.9	16.9	16.8	16.3	16.3	16.0	15.8	15.4
Malignant neoplasms of genital organs (179-187)	21.7	21.3	21.3	20.8	20.7	20.8	20.5	20.4	20.5	20.2
Malignant neoplasms of urinary organs (188-189)	7.9	8.0	7.9	7.9	7.9	7.9	8.0	7.8	7.9	7.8
Malignant neoplasms of all other and unspecified sites (170-173,190-199)	24.9	24.9	24.7	24.3	23.8	23.4	22.9	22.5	22.4	21.6
Leukemia (204-208)	7.2	7.1	7.2	7.3	7.2	7.2	7.2	7.1	7.3	7.1
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)	11.1	10.8	10.9	10.5	10.2	10.0	9.8	9.4	9.5	9.1
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	2.7	2.7	2.8	2.8	2.7	2.8	2.8	2.7	2.7	2.8
Diabetes mellitus (260)	16.4	15.8	15.4	15.5	15.1	15.5	14.9	15.1	15.4	14.8
Nutritional deficiencies (260-269)	1.2	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0	1.0
Anemias (280-285)	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4
Meningitis (320-322)	.5	.5	.5	.5	.5	.5	.6	.6	.6	.6
Major cardiovascular diseases (390-448)	394.4	395.9	401.6	409.6	411.8	419.2	417.8	424.2	436.4	426.7
Diseases of heart (390-398,402,404-429)	311.3	312.4	317.5	323.0	323.5	329.2	328.0	328.7	336.0	326.5
Rheumatic fever and rheumatic heart disease (390-398)	2.6	2.6	2.7	2.8	2.9	2.9	3.0	3.2	3.5	3.5
Hypertensive heart disease (402)	8.5	8.5	8.5	8.7	8.8	9.0	9.0	9.1	9.3	9.3
Hypertensive heart and renal disease (404)	1.0	1.0	1.0	1.2	1.2	1.3	1.3	1.5	1.6	1.6
Ischemic heart disease (410-414)	207.3	210.4	216.0	224.8	228.9	236.1	238.5	242.1	249.7	245.5
Acute myocardial infarction (410)	100.9	104.2	108.3	114.9	118.0	122.3	125.6	127.5	132.2	133.8
Other acute and subacute forms of ischemic heart disease (411)	1.4	1.5	1.6	1.7	1.7	1.7	1.8	2.0	2.1	2.1
Angina pectoris (413)	.4	.4	.4	.4	.4	.3	.3	.2	.2	.2
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	104.6	104.4	105.7	107.9	108.8	111.7	110.9	112.3	115.1	109.4
Other diseases of endocardium (424)	4.8	4.5	4.2	4.0	3.7	3.8	3.4	3.2	3.2	2.9
All other forms of heart disease (416-423,425-429)	67.1	65.3	65.1	61.5	78.1	76.3	70.8	69.7	68.7	63.7
Hypertension with or without renal disease (401,403)	3.4	3.3	3.3	3.2	3.3	3.3	3.3	3.3	3.5	3.2
Cerebrovascular diseases (430-438)	61.2	61.6	62.1	64.1	65.3	66.5	68.0	71.3	75.1	75.5
Intracerebral and other intracranial hemorrhage (431-432)	8.6	8.5	8.5	8.7	8.5	8.3	8.6	8.8	9.2	9.7
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9)	8.7	8.2	9.7	10.3	10.7	11.3	12.2	13.5	15.0	15.9
Cerebral embolism (434.1)	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4
All other and late effects of cerebrovascular diseases (430,433,435-438)	43.6	43.6	43.5	44.8	45.7	46.6	46.9	48.6	50.6	49.5
Atherosclerosis (440)	9.0	8.2	9.4	10.0	10.3	11.3	11.6	12.2	13.0	12.8
Other diseases of arteries, arterioles, and capillaries (441-448)	9.4	9.4	9.3	9.2	9.2	9.0	8.7	8.7	8.8	8.7
Acute bronchitis and bronchiolitis (466)	.3	.2	.2	.3	.2	.2	.2	.2	.3	.2
Pneumonia and influenza (480-487)	31.6	28.4	29.0	28.3	24.9	23.9	21.1	23.4	24.1	20.1
Pneumonia (480-485)	30.8	28.2	28.2	27.5	24.4	23.3	20.8	22.1	22.9	19.8
Influenza (487)	.8	.3	.8	.9	.5	.6	.3	1.3	1.2	.3
Chronic obstructive pulmonary diseases and allied conditions (490-496)	33.7	32.2	31.8	31.3	29.2	28.3	25.8	25.7	24.7	22.2
Bronchitis, chronic and unspecified (490-491)	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.6	1.6	1.6
Emphysema (492)	6.3	6.0	6.0	5.8	5.6	5.7	5.5	5.8	6.1	6.0
Asthma (493)	1.9	1.0	1.6	1.6	1.5	1.5	1.4	1.3	1.3	1.2
Other chronic obstructive pulmonary diseases and allied conditions (494-496)	24.0	23.0	22.6	22.2	20.6	19.6	17.4	16.9	15.7	13.4
Ulcer of stomach and duodenum (531-533)	2.6	2.6	2.7	2.8	2.8	2.7	2.9	2.8	2.7	2.6
Appendicitis (540-543)	.2	.2	.2	.2	.2	.2	.2	.3	.3	.3
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.3	2.4	2.4
Chronic liver disease and cirrhosis (571)	10.7	10.8	10.9	11.2	11.6	11.7	11.9	12.8	13.5	13.2
Cholelithiasis and other disorders of gallbladder (574-575)	1.3	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.5	1.4
Nephritis, nephrotic syndrome, and nephrosis (580-589)	8.1	9.1	9.0	8.9	8.5	8.1	7.8	7.5	7.4	7.0
Acute glomerulonephritis and nephrotic syndrome (580-581)	.1	.1	.1	.1	.1	.2	.1	.1	.1	.2
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587)	.6	.6	.6	.7	.8	.8	.8	.9	1.0	1.1
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589)	8.4	8.3	8.3	8.1	7.6	7.2	6.8	6.5	6.3	5.8
Infections of kidney (580)	.7	.7	.8	.8	.9	.9	1.0	1.0	1.2	1.3
Hyperplasia of prostate (600)	.2	.2	.2	.2	.2	.2	.3	.3	.3	.4
Complications of pregnancy, childbirth, and the puerperium (630-676)	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Pregnancy with abortive outcome (630-638)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other complications of pregnancy, childbirth, and the puerperium (640-676)	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Congenital anomalies (740-759)	5.2	5.1	5.2	5.4	5.5	5.6	5.9	5.9	6.2	6.0
Certain conditions originating in the perinatal period (760-779)	7.4	7.5	7.6	8.1	8.0	8.3	9.0	9.4	10.1	10.4
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769)	1.7	1.8	1.9	2.2	2.2	2.3	2.7	2.9	3.3	3.6
Other conditions originating in the perinatal period (760-766,770-779)	5.7	5.7	5.7	5.9	5.8	6.0	6.3	6.5	6.7	6.9
Symptoms, signs, and ill-defined conditions (780-799)	12.6	12.8	13.0	13.0	12.6	12.7	12.9	12.9	12.7	12.3
All other diseases (Residual)	68.3	66.0	65.6	62.7	58.1	55.6	51.8	51.4	50.9	47.8
Accidents and adverse effects (E800-E949)	39.5	39.0	39.5	39.1	39.3	39.5	40.6	43.9	46.7	46.9
Motor vehicle accidents (E810-E825)	20.0	19.8	19.9	19.2	19.6	19.0	19.8	22.4	23.5	23.8
All other accidents and adverse effects (E800-E807,E826-E949)	19.5	19.2	19.7	19.9	19.7	20.5	20.8	21.5	23.2	23.1
Suicide (E950-E959)	12.4	12.7	12.8	12.3	12.4	12.1	12.2	12.0	11.9	12.1
Homicide and legal intervention (E960-E976)	9.0	8.7	9.0	8.3	8.4	8.6	9.6	10.3	10.7	10.0
All other external causes (E980-E999)	1.2	1.2	1.3	1.2	1.3	1.3	1.4	1.6	1.6	1.7

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Table 1-8. Age-Adjusted Death Rates for 72 Selected Causes, by Race and Sex: United States, 1988

[Based on age-specific death rates per 100,000 population in specified group. Computed by the direct method, using as the standard population the age distribution of the total population of the United States as enumerated in 1940; see Technical Appendix. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
All causes	535.5	698.7	404.4	509.8	684.3	384.4	692.5	904.3	523.5	788.8	1,037.8	593.1
Shigellosis and amebiasis (004,006)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Certain other intestinal infections (007-009)	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Tuberculosis (010-018)	.5	.8	.3	.3	.5	.2	1.9	2.9	1.1	2.1	3.2	1.2
Tuberculosis of respiratory system (010-012)	.4	.7	.2	.3	.4	.1	1.3	2.3	.7	1.5	2.5	.7
Other tuberculosis (013-018)	.1	.1	.1	.1	.1	.1	.6	.6	.4	.6	.7	.5
Whooping cough (033)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Streptococcal sore throat, scarlatina, and erysipelas (034-035)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Meningococcal infection (036)	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2
Septicemia (038)	4.6	6.2	4.1	4.0	4.5	3.5	8.9	10.4	7.7	10.4	12.2	9.0
Acute polyomyelitis (045)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Measles (048)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Viral hepatitis (070)	.4	.5	.3	.4	.5	.2	.6	.7	.5	.6	.6	.5
Syphilis (090-097)	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.1
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044,046-054,056-066,071-088,098-139)	8.7	14.6	3.0	7.0	12.1	2.1	17.8	29.5	7.8	22.2	37.1	9.5
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	132.7	162.4	111.2	130.0	157.6	110.1	151.9	198.9	117.6	171.3	227.0	131.2
Malignant neoplasms of lip, oral cavity, and pharynx (140-149)	2.5	3.8	1.3	2.2	3.4	1.3	3.9	6.7	1.7	4.5	7.8	1.9
Malignant neoplasms of digestive organs and peritoneum (150-159)	30.0	38.6	23.3	28.6	36.6	22.4	40.2	53.8	29.9	43.7	58.4	32.5
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	39.9	59.7	24.4	39.4	58.0	24.8	43.3	71.6	21.8	49.8	83.4	24.6
Malignant neoplasm of breast (174-175)	12.6	.2	23.1	12.5	.2	23.0	13.2	.3	23.3	15.3	.4	27.0
Malignant neoplasms of genital organs (179-187)	13.0	15.6	12.2	12.3	14.5	11.9	18.8	25.6	14.8	21.6	30.6	16.4
Malignant neoplasms of urinary organs (188-189)	4.9	7.5	3.0	5.0	7.7	2.9	4.3	5.9	3.1	4.8	6.6	3.5
Malignant neoplasms of all other and unspecified sites (170-173,190-199)	17.5	21.8	14.0	17.6	21.9	14.1	16.9	21.1	13.7	19.1	24.1	15.2
Leukemia (204-208)	4.8	6.2	3.7	4.9	6.3	3.8	4.2	5.3	3.4	4.5	5.8	3.5
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)	7.4	9.1	6.0	7.4	9.1	6.0	7.2	8.8	5.9	8.0	9.9	6.6
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	1.7	1.9	1.6	1.7	1.9	1.6	2.1	2.1	2.0	2.4	2.4	2.4
Diabetes mellitus (250)	10.1	10.5	9.6	9.0	9.6	8.4	18.7	17.5	19.5	21.2	19.8	22.1
Nutritional deficiencies (260-269)	.5	.5	.5	.4	.5	.4	.9	1.1	.7	1.0	1.2	.8
Anemias (280-285)	.9	.9	.8	.7	.8	.6	1.8	2.0	1.7	2.2	2.3	2.0
Meningitis (320-322)	.4	.4	.4	.3	.3	.3	.8	1.1	.6	1.0	1.3	.7
Major cardiovascular diseases (390-448)	206.6	270.8	165.4	199.2	264.2	147.2	256.4	315.0	210.3	230.0	360.8	241.1
Diseases of heart (390-398,402,404-429)	166.3	224.5	119.8	161.5	220.5	114.2	197.8	250.2	157.2	226.6	285.2	181.1
Rheumatic fever and rheumatic heart disease (380-388)	1.7	1.2	2.0	1.7	1.2	2.0	1.4	1.2	1.6	1.4	1.2	1.6
Hypertensive heart disease (402)	4.9	5.6	4.3	3.7	4.2	3.1	14.4	16.5	12.7	17.3	19.8	15.3
Hypertensive heart and renal disease (404)	.5	.5	.5	.4	.4	.3	1.5	1.6	1.5	1.9	1.9	1.8
Ischemic heart disease (410-414)	110.2	153.5	75.9	110.7	155.8	74.7	103.5	131.9	81.7	116.3	146.9	99.0
Acute myocardial infarction (410)	57.8	81.6	38.8	58.3	83.3	38.2	52.9	66.9	42.1	59.2	74.4	47.8
Other acute and subacute forms of ischemic heart disease (411)	.8	1.2	.5	.8	1.2	.5	1.2	1.7	.8	1.4	2.0	.9
Angina pectoris (413)	.2	.2	.2	.2	.3	.2	.2	.2	.2	.3	.3	.2
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	51.4	70.4	36.4	51.4	71.1	35.9	49.3	63.1	38.6	55.4	70.2	44.1
Other diseases of endocardium (424)	2.4	2.9	2.0	2.4	2.9	2.0	2.4	2.8	2.0	2.6	3.1	2.2
All other forms of heart disease (415-423,425-429)	46.5	60.7	35.2	42.7	56.0	31.9	74.5	96.1	57.7	87.1	113.2	67.2
Hypertension with or without renal disease (401,403)	1.8	2.0	1.7	1.5	1.7	1.2	4.7	4.6	4.8	5.7	5.5	5.8
Cerebrovascular diseases (430-438)	29.7	32.4	27.6	27.5	30.0	25.5	45.8	50.9	41.5	51.5	57.8	46.6
Intracerebral and other intracranial hemorrhage (431-432)	5.5	6.2	4.8	4.7	5.3	4.3	10.4	12.7	8.6	11.6	14.3	9.4
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9)	3.9	4.4	3.6	3.7	4.2	3.4	5.2	5.8	4.7	5.9	6.7	5.3
Cerebral embolism (434.1)	.2	.2	.1	.1	.2	.1	.1	.1	.1	.1	.2	.1
All other and late effects of cerebrovascular diseases (430,433,435-438)	20.2	21.7	19.0	18.9	20.4	17.8	29.9	32.2	28.0	33.9	36.7	31.7
Atherosclerosis (440)	3.4	4.0	3.0	3.4	4.0	3.0	3.3	4.0	2.9	3.8	4.6	3.3
Other diseases of arteries, arterioles, and capillaries (441-448)	5.3	7.9	3.3	5.3	8.1	3.2	4.9	6.2	3.9	5.4	6.7	4.4
Acute bronchitis and bronchiolitis (466)	.1	.2	.1	.1	.2	.1	.1	.2	.1	.1	.2	.1
Pneumonia and influenza (480-487)	14.2	18.9	11.0	13.6	18.0	10.7	17.5	24.6	12.1	19.6	28.0	13.4
Pneumonia (480-486)	13.9	18.6	10.7	13.3	17.7	10.3	17.3	24.5	12.0	19.4	27.8	13.2
Influenza (487)	.3	.3	.3	.3	.3	.3	.2	.2	.2	.2	.2	.2
Chronic obstructive pulmonary diseases and allied conditions (490-496)	19.4	27.5	14.0	19.8	27.8	14.5	14.8	23.1	9.0	18.6	26.0	10.0
Bronchitis, chronic and unspecified (490-491)	.8	1.1	.7	.9	1.1	.7	.5	.8	.4	.8	.8	.4
Emphysema (492)	3.8	5.5	2.5	3.9	5.7	2.7	2.2	4.1	.9	2.6	4.6	.9
Asthma (493)	1.4	1.2	1.5	1.1	1.0	1.2	3.0	3.1	3.0	3.5	3.5	3.4
Other chronic obstructive pulmonary diseases and allied conditions (494-496)	13.5	19.6	9.3	13.9	20.1	9.8	9.1	15.1	4.8	10.1	17.0	5.3
Ulcer of stomach and duodenum (531-533)	1.4	1.8	1.0	1.4	1.7	1.0	1.5	2.2	1.0	1.7	2.4	1.1
Appendicitis (540-543)	.1	.2	.1	.1	.1	.1	.2	.4	.2	.3	.4	.2
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	1.1	1.1	1.1	1.0	1.0	1.0	1.6	1.8	1.4	1.9	2.1	1.6
Chronic liver disease and cirrhosis (571)	9.0	12.9	5.6	8.4	12.1	5.0	12.9	18.2	8.6	14.5	20.7	9.3
Cholelithiasis and other disorders of gallbladder (574-575)	.8	.7	.5	.6	.7	.5	.7	.8	.6	.7	.8	.7
Nephritis, nephrotic syndrome, and nephrosis (580-589)	4.8	6.0	4.0	4.1	5.2	3.3	10.0	11.5	8.9	11.6	13.3	10.3
Acute glomerulonephritis and nephrotic syndrome (580-581)	.1	.1	.0	.1	.1	.0	.1	.1	.1	.2	.2	.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587)	.3	.4	.3	.3	.4	.2	.6	.8	.4	.7	.9	.5
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589)	4.4	5.4	3.6	3.7	4.8	3.0	9.3	10.6	8.3	10.8	12.2	8.7
Infections of kidney (590)	.3	.3	.3	.3	.2	.3	.4	.4	.4	.5	.5	.5
Hyperplasia of prostate (600)	.1	.2	.1	.1	.2	.1	.1	.3	.1	.1	.3	.1
Complications of pregnancy, childbirth, and the puerperium (630-676)	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Pregnancy with abortive outcome (630-639)	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other complications of pregnancy, childbirth, and the puerperium (640-676)	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Congenital anomalies (740-759)	5.0	5.3	4.7	4.9	5.3	4.6	5.3	5.7	4.9	5.6	6.0	5.2
Certain conditions originating in the perinatal period (760-779)	7.2	9.1	6.4	5.5	6.2	4.8	14.5	15.9	13.1	17.1	18.9	15.3
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769)	1.7	1.9	1.4	1.4	1.7	1.1	2.8	3.1	2.5	3.2	3.6	2.9
Other conditions originating in the perinatal period (760-766,770-779)	5.6	6.1	5.0	4.1	4.5	3.6	11.7	12.8	10.6	13.9	15.3	12.4
Symptoms, signs, and ill-defined conditions (780-789)	9.2	11.7	6.9	7.9	10.1	5.9	16.0	20.9	11.9	18.7	24.6	13.8
All other diseases (Residual)	38.8	46.9	32.4	36.1	43.4	30.3	56.2	70.3	45.0	64.8	82.0	51.3
Accidents and adverse effects (E800-E949)	35.0	51.5	19.1	34.1	49.9	18.8	40.7	63.4	21.1	49.7	69.0	22.2
Motor vehicle accidents (E810-E825)	19.7	28.3	11.3	20.0	28.5	11.6	18.5	28.5	9.7	18.7	29.6	9.2
All other accidents and adverse effects (E800-E807,E826-E949)	15.3	23.3	7.9	14.1	21.4	7.2	22.2	35.0	11.3	25.0	39.4	12.9
Suicide (E950-E959)	11.4	18.7	4.7	12.2	19.8	5.1	6.9	11.6	2.6	6.8	11.8	2.4
Homicide and legal intervention (E960-E978)	8.0	13.9	4.2	5.3	7.7	2.8	28.2	47.4	10.8	34.1	56.2	12.7
All other external causes (E980-E999)	1.2	1.7	.6	1.0	1.5	.6	2.0	3.2	.9	2.3	3.9	1.0

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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix.]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years and over
<b>Streptococcal sore throat, scarlatina, and erysipelas (034-035)</b>										
Male	—	—	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Female	—	—	—	—	—	—	—	—	—	—
White	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—
All other	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—
Black	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—
<b>Meningococcal infection (036)</b>	0.1	0.1	.1	.0	.1	.0	.1	.1	.2	.2
Male	.1	.1	.0	—	.1	.0	—	.1	.1	.2
Female	.0	.1	.1	.0	.1	.0	.1	.1	.2	.1
White	.1	.1	.0	—	.1	.0	.1	.1	.2	.2
Male	.1	.0	.0	—	.2	.0	—	.1	.1	.3
Female	.0	.1	.0	—	.1	.0	.1	.1	.2	.2
All other	.1	.3	.1	.1	.1	—	.1	.2	—	—
Male	—	.2	—	—	—	—	—	.4	—	—
Female	.2	.4	.2	.1	.1	—	.2	—	—	—
Black	.1	.4	.2	.1	.1	—	.2	.2	—	—
Male	—	.3	—	—	—	—	—	.5	—	—
Female	.1	.6	.3	.2	.2	—	.3	—	—	—
<b>Septicemia (038)</b>	1.9	2.5	4.1	6.5	11.4	16.2	31.1	59.0	89.5	198.8
Male	2.2	3.0	4.6	7.3	13.5	21.1	38.3	64.0	113.5	207.9
Female	1.6	2.1	3.6	5.7	9.6	15.8	25.7	45.9	62.0	195.2
White	1.3	1.8	3.1	5.2	9.6	15.7	28.2	48.6	83.4	191.2
Male	1.5	2.1	3.3	5.8	11.3	18.1	34.8	59.6	106.1	200.9
Female	1.1	1.5	2.9	4.7	8.0	13.8	23.2	41.5	66.6	187.5
All other	5.9	7.0	10.4	15.0	25.4	38.5	56.9	93.3	165.6	275.1
Male	7.3	8.1	13.4	18.0	31.3	47.0	70.1	103.4	189.4	267.4
Female	4.7	5.3	7.9	12.5	20.6	31.8	47.4	86.7	152.6	278.7
Black	7.7	8.9	12.1	17.8	30.5	44.1	66.6	107.1	180.0	301.3
Male	9.7	11.9	16.1	21.1	37.2	53.2	83.3	118.0	223.6	290.0
Female	6.1	6.4	8.9	15.1	24.9	37.2	54.8	100.3	171.4	308.2
<b>Acute poliomyelitis (045)</b>	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—
White	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—
All other	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—
Black	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—
<b>Measles (065)</b>	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—
White	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—
All other	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—
Black	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—
<b>Viral hepatitis (070)</b>	.4	.5	.8	.9	1.4	1.5	2.0	2.1	2.4	1.9
Male	.5	.8	1.1	1.1	1.7	1.9	2.7	2.6	3.6	2.7
Female	.2	.2	.6	.8	1.1	1.1	1.4	1.8	1.8	1.6
White	.3	.4	.7	.9	1.3	1.4	1.9	2.1	2.4	1.9
Male	.4	.7	1.0	1.1	1.7	1.9	2.8	2.6	3.6	2.7
Female	.1	.2	.4	.7	1.0	1.1	1.3	1.8	1.9	1.6
All other	.8	.9	1.5	1.4	1.6	1.7	2.5	2.4	1.9	2.2
Male	1.2	1.3	1.6	1.7	1.8	1.9	1.8	3.0	3.5	2.3
Female	.5	.5	1.4	1.0	1.7	1.6	3.0	2.0	1.0	2.2
Black	1.0	.7	1.4	.9	1.2	1.1	1.7	2.1	1.6	1.7
Male	1.5	1.0	1.3	1.0	1.3	.8	.7	2.7	3.4	2.9
Female	.7	.5	1.5	.8	1.1	1.4	2.3	1.7	.6	1.3
<b>Syphilis (080-087)</b>	.0	.0	.0	.0	.1	.0	.1	.3	.2	.4
Male	.0	.0	.1	—	.1	.1	.1	.4	.5	.7
Female	—	—	—	.0	.1	.0	.1	.2	.0	.3
White	.0	.0	—	.0	.0	.0	.0	.2	.2	.3
Male	.0	.0	—	—	.0	.1	.0	.2	.3	.5
Female	—	—	—	—	—	.0	.0	.1	.0	.2
All other	.1	.1	.2	—	.3	—	.4	1.5	.6	1.5
Male	.2	.1	.4	—	.2	—	.6	2.2	1.8	2.3
Female	—	—	—	—	.4	—	.2	1.1	—	1.1
Black	.1	.1	.3	—	.4	—	.5	1.9	.8	1.7
Male	.3	.2	.6	—	.2	—	.7	2.7	2.2	2.9
Female	—	—	—	—	.5	—	.3	1.4	—	1.3



SECTION 1 - GENERAL MORTALITY - PAGE 18

Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-044,046-054,056-066,071-088,098-139)</b>	9.5	7.9	1.5	0.8	0.4	0.6	3.2	11.1	19.1	21.2
Male	15.4	9.0	1.8	.5	.5	.6	5.1	19.1	32.9	37.9
Female	3.8	6.8	1.4	.7	.2	.5	1.3	3.0	5.3	4.7
White	8.0	5.9	1.1	.4	.4	.5	2.4	8.7	14.6	16.3
Male	19.1	7.0	1.2	.4	.6	.6	9.9	15.5	20.3	30.2
Female	3.0	4.7	1.0	.5	.2	.4	.8	1.7	2.6	2.3
All other	17.8	18.4	3.2	1.1	.3	.9	7.1	23.3	43.1	49.5
Male	28.0	17.2	3.2	1.1	.3	1.0	10.8	38.8	70.0	84.8
Female	8.1	15.6	3.2	1.2	.4	.9	3.6	9.1	18.8	17.2
Black	21.5	19.7	3.9	1.1	.4	1.0	8.6	29.9	54.4	62.3
Male	34.5	21.0	3.8	1.1	.4	1.0	13.1	49.3	88.8	109.8
Female	9.8	18.4	4.0	1.2	.5	.9	4.4	11.4	24.0	22.2
<b>Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)</b>	197.3	2.3	3.7	3.3	3.1	4.4	5.7	8.4	15.5	31.0
Male	215.5	2.3	3.8	3.8	3.4	5.2	6.8	9.0	14.4	26.7
Female	180.0	2.3	3.7	2.7	2.7	3.6	4.8	7.8	16.5	35.3
White	205.0	2.2	3.8	3.3	3.1	4.5	5.6	8.2	14.8	28.9
Male	221.4	2.3	3.9	3.9	3.6	5.3	6.5	8.8	14.2	24.7
Female	189.3	2.2	3.7	2.6	2.6	3.7	4.6	7.5	15.5	33.1
All other	155.9	2.6	3.4	3.1	2.9	4.0	6.2	9.5	19.0	43.0
Male	183.0	2.4	3.1	3.5	2.9	4.5	7.1	9.9	15.8	36.6
Female	131.1	2.7	3.7	2.8	2.9	3.6	5.4	9.3	21.8	46.8
Black	178.7	3.0	3.6	3.0	2.9	4.3	6.9	10.4	21.6	49.0
Male	211.7	2.7	3.4	3.3	2.9	5.0	7.6	10.6	17.7	43.5
Female	148.9	3.4	3.8	2.7	3.0	3.5	6.2	10.2	25.1	53.7
<b>Malignant neoplasms of lip, oral cavity, and pharynx (140-149)</b>	3.3	.0	—	.0	.0	.1	.1	.1	.2	.5
Male	4.8	.1	—	.0	.0	.1	.1	.1	.3	.7
Female	2.1	—	—	—	—	.0	.1	.1	.1	.3
White	3.3	.0	—	.0	.0	.1	.0	.1	.1	.4
Male	4.4	.1	—	.0	.0	.1	.1	.0	.2	.5
Female	2.2	—	—	—	—	.0	.0	.1	.1	.3
All other	3.6	—	—	.1	—	.2	.2	.2	.5	1.2
Male	5.6	—	—	.1	—	.3	.2	.2	.9	1.8
Female	1.7	—	—	.1	—	.1	.2	.2	.2	.7
Black	4.1	—	—	.1	—	.2	.2	.1	.8	1.3
Male	6.6	—	—	.1	—	.4	.2	.2	1.0	1.9
Female	1.9	—	—	.1	—	.1	.2	.1	.2	.8
<b>Malignant neoplasms of digestive organs and peritoneum (150-159)</b>	47.8	.2	.1	.0	.0	.2	.4	.8	2.0	4.7
Male	51.7	.2	.2	.1	.0	.2	.5	.9	2.5	5.7
Female	44.1	.1	.1	.0	.0	.2	.4	.7	1.8	3.7
White	49.9	.2	.1	.0	.0	.1	.4	.6	1.7	4.0
Male	52.2	.3	.2	.1	.0	.1	.4	.6	2.1	4.8
Female	45.6	.1	.1	.0	.1	.2	.4	.6	1.3	3.1
All other	42.2	—	.1	.1	.1	.2	.8	1.9	3.7	8.9
Male	48.9	—	.1	.1	.1	.3	.8	2.4	4.6	11.2
Female	36.0	—	—	.1	—	.2	.8	1.4	3.0	6.9
Black	46.8	—	.1	—	.1	.2	.8	1.9	4.0	9.1
Male	54.0	—	.2	—	.2	.2	1.0	2.2	4.7	11.4
Female	40.4	—	—	—	—	.1	.6	1.6	3.4	7.3
<b>Malignant neoplasms of respiratory and intrathoracic organs (160-165)</b>	56.2	.1	.0	.0	.0	.1	.2	.3	1.1	3.8
Male	76.7	.1	.0	.0	.0	.1	.2	.4	1.4	4.6
Female	38.8	.1	.0	.0	.0	.0	.1	.2	.9	2.9
White	58.8	.1	.0	.0	.0	.1	.1	.3	1.1	3.4
Male	79.1	.1	.0	.0	.1	.2	.3	1.3	3.9	9.9
Female	39.4	—	.0	.0	.0	.1	.2	.8	2.8	2.8
All other	42.4	.1	—	—	.1	.1	.3	.4	1.4	5.0
Male	63.8	—	—	—	—	.1	.4	.6	1.9	8.8
Female	22.9	.3	—	—	.1	.1	.2	.3	.9	3.3
Black	48.5	.2	—	—	.1	.1	.3	.5	1.5	7.0
Male	75.3	—	—	—	.1	.5	.7	2.0	10.8	20.8
Female	26.2	.3	—	—	.2	.1	.2	.3	1.0	3.8
<b>Malignant neoplasm of breast (174-175)</b>	17.3	.0	—	—	—	.0	.1	.8	2.5	6.8
Male	.2	—	—	—	—	—	—	.0	.0	.0
Female	33.5	.1	—	—	—	.0	.1	1.2	4.8	13.0
White	18.1	—	—	—	—	.0	.0	.5	2.2	5.9
Male	.2	—	—	—	—	—	—	.0	.0	.0
Female	35.2	—	—	—	—	.0	.1	1.0	4.4	11.9
All other	12.8	.1	—	—	—	.0	.1	1.0	3.9	10.4
Male	.3	—	—	—	—	—	—	—	.1	.1
Female	24.1	.3	—	—	—	.1	.2	1.9	7.3	19.2
Black	15.0	.2	—	—	—	.0	.1	1.2	4.6	12.9
Male	.4	—	—	—	—	—	—	—	.1	.2
Female	28.1	.3	—	—	—	.1	.3	2.3	8.6	23.5
<b>Malignant neoplasms of genital organs (179-187)</b>	21.7	.1	.0	.0	.0	.1	.5	1.0	1.7	2.8
Male	24.7	.1	.0	.0	.0	.1	.5	.6	.6	.5
Female	18.9	—	.0	.0	.0	.1	.5	1.4	2.8	5.0
White	21.8	—	.0	.0	.0	.1	.5	1.0	1.6	2.5
Male	24.4	—	.0	.0	.1	.1	.5	.8	.6	.5
Female	18.4	—	.1	.0	.0	.1	.5	1.3	2.5	4.6
All other	21.2	.3	.0	—	—	.1	.4	1.1	2.3	4.1
Male	26.5	.5	.1	—	—	—	.4	.2	.1	.3
Female	16.9	—	—	—	—	.1	.3	1.6	4.3	7.4
Black	25.0	.3	.0	—	—	.1	.3	1.0	2.7	4.4
Male	32.3	.7	.1	—	—	—	.2	.1	.2	.4
Female	18.5	—	—	—	—	.1	.4	1.8	5.0	7.8

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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years and over
<b>All other infectious and parasitic diseases (001-009,005,020-032,037,039-041,*042-*044,046-054,056-066,071-088,098-139)</b>	17.6	13.1	11.2	8.5	7.9	8.2	10.1	12.4	15.6	23.7
Male	32.3	23.8	19.8	14.0	11.1	11.9	13.9	15.9	20.0	28.0
Female	3.5	2.9	3.2	3.4	5.1	5.7	7.8	10.1	13.2	22.0
White	14.4	11.1	9.6	7.2	7.2	7.9	9.7	12.0	15.3	24.0
Male	27.0	20.5	17.1	11.9	10.2	10.7	12.7	15.6	20.2	27.1
Female	1.9	1.8	2.3	2.8	4.6	5.4	7.4	9.6	12.7	22.8
All other	38.6	26.2	21.5	17.3	13.0	11.9	14.0	15.7	18.2	20.8
Male	69.2	48.4	37.8	29.2	18.4	16.3	18.5	18.1	18.6	36.0
Female	12.8	8.2	8.0	7.5	8.7	7.4	10.7	14.2	18.0	13.7
Black	50.2	33.0	26.5	20.3	14.5	12.8	14.6	18.5	19.6	21.4
Male	91.0	60.0	47.8	34.1	20.8	17.8	18.0	22.4	22.5	38.6
Female	16.5	10.9	9.4	8.7	9.3	8.7	11.5	16.0	18.0	19.9
<b>Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)</b>	59.8	115.4	213.1	354.0	540.3	733.1	981.3	1,208.2	1,487.9	1,838.9
Male	55.4	113.5	228.6	405.1	650.6	915.2	1,283.2	1,687.5	2,180.4	2,527.9
Female	64.1	117.2	188.6	307.5	444.1	581.3	753.4	994.1	1,117.1	1,292.6
White	56.3	109.3	202.7	342.9	529.7	720.8	975.2	1,189.5	1,475.9	1,840.2
Male	51.2	104.4	211.3	387.5	630.8	889.7	1,263.3	1,684.5	2,168.7	2,533.0
Female	61.4	114.1	194.4	301.8	440.5	579.1	756.7	989.2	1,113.1	1,300.1
All other	81.9	153.5	278.8	429.0	621.3	832.0	1,034.6	1,266.8	1,616.9	1,826.0
Male	84.5	175.7	344.9	532.4	807.4	1,128.9	1,465.1	1,887.5	2,401.8	2,883.7
Female	78.8	134.8	233.7	343.8	470.8	598.4	725.1	859.9	1,168.0	1,223.0
Black	97.6	176.9	320.0	482.6	702.9	938.3	1,153.8	1,415.9	1,785.2	1,720.1
Male	101.4	210.3	407.7	601.8	812.3	1,280.8	1,658.0	2,163.9	2,715.7	2,720.0
Female	94.5	149.5	249.3	383.2	530.8	674.0	799.7	948.1	1,270.8	1,288.0
<b>Malignant neoplasms of lip, oral cavity, and pharynx (140-149)</b>	1.2	2.8	5.8	8.5	11.3	12.9	15.2	16.0	17.7	19.6
Male	1.9	4.5	9.1	13.5	17.3	19.7	22.5	24.4	29.1	33.0
Female	.6	1.2	2.7	3.9	6.0	7.2	9.6	10.5	11.7	14.4
White	.8	1.8	4.7	7.6	10.8	12.4	15.0	16.2	17.7	20.2
Male	1.3	3.1	7.0	12.1	16.0	18.6	22.1	24.4	28.5	34.4
Female	.4	.8	2.4	3.5	5.9	7.2	9.7	11.0	12.0	14.8
All other	3.5	8.2	12.8	14.2	16.1	16.8	16.1	13.5	18.2	13.0
Male	5.8	13.8	23.0	23.5	28.0	28.9	26.3	24.1	35.4	20.9
Female	1.5	3.4	4.3	6.5	6.5	7.3	8.8	6.5	8.2	9.3
Black	4.0	9.7	14.8	16.5	19.2	18.5	17.2	15.1	18.0	13.1
Male	6.9	16.5	27.2	27.2	32.9	32.7	28.6	26.6	38.2	21.4
Female	1.6	4.1	4.8	7.6	8.0	7.6	9.1	6.1	8.8	9.5
<b>Malignant neoplasms of digestive organs and peritoneum (150-159)</b>	10.4	20.9	42.2	74.3	118.1	170.5	238.9	319.8	418.2	532.4
Male	13.2	26.5	54.7	95.3	155.1	218.6	307.7	414.5	534.6	658.1
Female	7.7	15.5	30.5	54.3	84.9	128.6	187.0	258.4	355.9	483.3
White	9.3	18.9	38.1	68.8	111.8	162.9	233.0	313.9	412.9	531.1
Male	11.7	23.7	48.0	88.4	146.8	210.0	298.3	407.1	528.4	690.6
Female	7.0	14.3	28.6	50.5	80.9	123.4	183.6	253.5	351.0	481.7
All other	17.4	33.1	68.3	112.1	165.8	231.9	290.8	373.7	473.3	545.4
Male	23.8	45.5	100.1	152.6	229.4	300.2	394.0	470.7	587.6	636.0
Female	12.1	22.8	41.9	78.7	114.2	178.4	216.5	304.0	412.4	502.7
Black	18.6	37.1	74.6	121.1	180.7	253.2	314.3	410.3	511.6	561.1
Male	25.9	52.6	112.6	165.1	249.1	323.5	425.7	528.4	634.8	654.3
Female	13.6	24.4	44.0	84.4	124.4	199.0	236.0	336.5	443.5	523.4
<b>Malignant neoplasms of respiratory and intrathoracic organs (160-165)</b>	12.1	32.5	70.4	128.8	197.4	254.9	311.8	328.2	317.7	228.5
Male	15.5	41.1	94.7	176.7	283.3	378.5	488.1	565.8	605.5	492.8
Female	8.9	24.3	47.5	61.3	122.5	151.9	178.8	174.1	163.5	125.7
White	11.3	30.8	67.2	124.2	195.2	252.0	319.3	330.6	318.0	228.9
Male	13.7	37.5	87.9	170.0	276.3	369.0	484.7	563.7	606.9	493.9
Female	8.9	24.2	47.5	61.8	123.7	155.4	183.3	178.4	184.5	127.1
All other	17.5	43.5	89.9	144.3	214.6	271.1	298.4	308.8	314.0	230.5
Male	27.8	65.4	140.7	224.8	338.7	457.7	518.5	582.3	592.0	483.7
Female	8.8	25.0	47.9	78.0	113.9	124.9	140.1	125.8	153.8	111.5
Black	21.4	52.1	106.9	168.1	247.9	310.9	394.7	340.1	340.4	234.5
Male	34.8	80.6	171.3	260.7	389.8	531.2	593.3	663.4	686.3	528.6
Female	9.0	28.9	54.9	90.8	131.3	140.4	153.0	139.2	160.2	105.7
<b>Malignant neoplasm of breast (174-175)</b>	11.7	19.1	28.4	38.4	48.5	55.8	68.6	79.9	106.7	133.6
Male	.1	.2	.4	.3	.6	.9	1.4	2.0	2.7	4.0
Female	22.9	37.1	54.9	73.2	90.3	101.2	119.4	130.4	162.5	183.9
White	11.0	18.4	27.6	37.9	48.7	56.3	70.1	81.3	107.8	135.9
Male	.1	.2	.3	.2	.6	.8	1.4	1.6	2.3	2.8
Female	21.8	36.2	53.9	72.8	91.2	103.0	122.3	132.8	163.8	188.6
All other	16.1	23.1	33.4	41.8	46.5	49.5	55.6	67.4	95.8	110.8
Male	.2	.5	1.2	.3	.4	1.4	.9	4.3	6.2	14.0
Female	29.5	42.1	60.0	75.8	83.8	87.1	84.8	108.8	148.5	158.3
Black	20.1	27.2	39.1	46.8	52.7	56.8	62.9	76.0	112.4	127.1
Male	.3	.5	1.5	.4	.4	1.8	1.1	4.9	7.9	17.1
Female	36.4	48.9	69.4	85.5	95.7	99.8	106.3	121.8	170.2	176.6
<b>Malignant neoplasms of genital organs (179-187)</b>	4.9	8.3	14.2	24.3	43.1	70.9	112.5	159.2	226.0	262.7
Male	.8	1.5	4.9	14.1	36.4	78.8	155.9	268.9	453.4	663.6
Female	9.0	14.8	22.9	33.6	48.9	64.4	79.8	88.0	104.3	108.8
White	4.6	7.9	13.3	23.0	40.3	66.5	106.8	149.9	214.2	253.1
Male	.6	1.3	4.2	12.5	32.3	71.0	144.5	248.9	428.0	638.7
Female	8.8	14.2	22.1	32.7	47.4	62.6	78.3	85.8	101.7	106.2
All other	6.7	11.0	18.5	33.3	63.9	107.1	162.9	243.1	352.9	358.0
Male	.7	2.8	9.6	25.3	68.8	143.9	260.6	448.3	731.9	877.9
Female	11.7	17.8	27.7	39.5	69.9	78.2	82.7	106.2	134.0	113.7
Black	7.8	11.3	22.9	37.1	70.7	124.6	190.8	285.2	411.2	392.0
Male	.8	3.6	12.2	30.4	82.0	172.4	311.5	542.6	878.8	1,002.9
Female	13.7	17.6	30.0	42.8	66.9	87.7	106.0	121.2	152.2	124.7

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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix.]

Cause of death, race, and sex	Total †	Under 1 year ‡	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues—Con.</b>										
Malignant neoplasms of urinary organs (188-189)	7.9	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.3	0.6
Male	10.3	.2	.1	.2	.0	.1	.1	.1	.4	.8
Female	5.6	.1	.2	.2	.0	.0	.1	.1	.2	.4
White	8.5	.1	.1	.2	.0	.0	.1	.1	.3	.5
Male	11.2	.1	.2	.2	.0	.0	.1	.1	.3	.7
Female	6.0	.1	.2	.2	.1	.1	.1	.1	.2	.3
All other	4.6	.1	.2	.2	.1	.1	.2	.3	.6	1.1
Male	5.6	.3	.1	.3	.2	.1	.3	.3	.9	1.6
Female	3.7	—	.2	.1	—	—	.2	.3	.4	.5
Black	5.3	.2	.2	.3	.1	.1	.3	.4	.7	1.2
Male	8.4	.3	.1	.4	.2	.1	.4	.4	1.1	2.0
Female	4.3	—	.3	.1	—	—	.2	.3	.4	.7
Malignant neoplasms of all other and unspecified sites (170-173,190-199)	24.9	1.2	1.9	1.5	1.6	1.9	2.0	2.7	4.2	7.0
Male	27.4	1.4	2.0	1.6	1.6	2.0	2.3	3.3	5.0	7.9
Female	22.5	1.0	1.8	1.4	1.6	1.8	1.8	2.2	3.5	6.2
White	26.3	1.2	2.0	1.5	1.6	1.8	1.9	2.2	4.5	7.2
Male	29.9	1.4	2.1	1.6	1.6	2.1	2.3	3.4	5.3	8.1
Female	23.8	.9	1.9	1.3	1.4	1.7	1.6	2.3	3.8	6.3
All other	17.2	1.3	1.8	1.5	1.5	1.8	1.9	2.1	2.9	5.1
Male	19.0	1.3	1.7	1.5	1.3	1.8	2.1	2.6	3.1	6.0
Female	15.8	1.4	1.9	1.6	1.7	1.9	1.7	1.8	2.7	5.5
Black	19.9	1.5	2.0	1.7	1.6	2.0	2.0	2.3	3.3	7.1
Male	21.9	1.3	1.9	1.6	1.2	1.9	2.1	2.8	3.7	6.8
Female	17.6	1.7	2.2	1.7	2.1	2.2	2.0	1.9	3.0	6.1
Leukemia (204-208)	7.2	.5	1.3	1.3	1.1	1.4	1.4	1.2	1.4	2.2
Male	8.1	.3	1.2	1.6	1.4	1.8	1.7	1.5	1.7	2.6
Female	6.2	.8	1.3	.9	.9	1.0	1.0	1.0	1.1	1.9
White	7.8	.5	1.3	1.3	1.2	1.5	1.3	1.2	1.4	2.2
Male	8.7	.3	1.3	1.7	1.5	2.0	1.7	1.4	1.8	2.4
Female	6.7	.9	1.3	.9	.8	1.0	1.0	.9	1.1	1.9
All other	4.5	.5	1.2	1.1	1.0	1.1	1.4	1.5	1.4	2.6
Male	5.1	.3	.9	1.3	1.0	1.4	1.7	1.7	1.8	3.6
Female	3.9	.8	1.5	.9	1.0	.8	1.2	1.2	1.1	1.6
Black	4.9	.7	1.1	.9	.8	1.1	1.5	1.7	1.5	2.6
Male	5.6	.3	1.0	.9	.9	1.6	1.7	2.1	1.8	3.7
Female	4.2	1.0	1.3	.7	.7	.6	1.3	1.3	1.1	1.6
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)	11.1	.1	.2	.2	.3	.6	1.0	1.5	2.0	2.8
Male	11.7	—	.2	.3	.4	.8	1.3	2.1	2.8	3.9
Female	10.4	.2	.1	.1	.1	.4	.8	.9	1.5	1.9
White	11.7	.1	.2	.2	.3	.6	1.0	1.6	2.0	2.9
Male	12.4	—	.2	.4	.5	.8	1.3	2.2	2.8	3.8
Female	11.1	.2	.1	.1	.2	.5	.8	1.0	1.4	1.9
All other	7.4	—	.1	.1	.2	.5	1.0	1.1	2.3	2.7
Male	8.1	—	.2	.2	.4	.6	1.3	1.6	2.6	4.0
Female	6.8	—	.1	.1	—	.4	.8	.5	2.0	1.6
Black	8.4	—	.1	.1	.2	.5	1.2	1.2	2.8	3.3
Male	9.2	—	.3	.1	.4	.8	1.5	1.9	3.1	4.8
Female	7.7	—	.3	.1	—	.3	.9	.6	2.5	2.1
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	2.7	1.6	.5	.3	.3	.3	.3	.4	.5	.7
Male	2.5	1.3	.5	.3	.3	.3	.3	.4	.5	.9
Female	3.0	1.8	.5	.3	.3	.2	.3	.4	.4	.6
White	2.9	1.7	.5	.3	.3	.2	.3	.4	.4	.7
Male	2.6	1.3	.5	.3	.3	.3	.3	.4	.4	.9
Female	3.0	2.1	.4	.3	.3	.2	.4	.4	.4	.6
All other	2.3	.9	.6	.3	.3	.4	.4	.5	.7	.7
Male	2.0	1.3	.5	.3	.2	.5	.4	.4	.9	.7
Female	2.5	.5	.6	.2	.5	.3	.4	.8	.7	.6
Black	2.6	.7	.6	.3	.4	.3	.4	.5	.9	.9
Male	2.3	1.3	.6	.3	.2	.4	.3	.4	1.0	.9
Female	2.9	—	.6	.3	.6	.3	.5	.6	.7	.8
Diabetes mellitus (250)	16.4	.0	.1	.1	.1	.2	.5	1.1	1.9	3.3
Male	14.2	—	.0	.1	.1	.2	.5	1.1	2.5	4.1
Female	18.6	.1	.1	.1	.1	.1	.4	1.0	1.4	2.6
White	15.8	—	.1	.1	.1	.1	.4	.9	1.8	2.9
Male	13.8	—	.0	.1	.1	.2	.5	1.0	2.3	3.5
Female	17.6	—	.1	.1	.1	.1	.4	.9	1.3	2.3
All other	20.0	.1	—	.1	.1	.3	.7	1.8	2.7	6.0
Male	16.2	—	—	—	.1	.3	.7	1.7	3.5	7.6
Female	23.5	.3	—	.2	.1	.3	.6	1.9	1.9	4.6
Black	23.1	.2	—	.1	.1	.3	.7	2.2	3.3	7.5
Male	18.4	—	—	—	.1	.3	.9	2.2	4.3	9.9
Female	27.3	.3	—	.2	.2	.3	.6	2.2	2.5	6.5
Nutritional deficiencies (260-269)	1.2	.7	.0	.0	—	.0	.0	.0	.1	.1
Male	.9	.7	.0	.0	—	.0	.0	.0	.1	.1
Female	1.5	.7	.0	.0	—	.0	—	.0	.0	.0
White	1.2	.5	.0	.0	—	.0	.0	.0	.0	.1
Male	.9	.4	.0	—	—	.0	.0	.0	.1	.1
Female	1.5	.5	—	.0	—	—	—	.0	.0	.0
All other	1.2	1.8	.1	.1	—	.0	.0	.1	.1	.2
Male	1.2	1.6	.1	.1	—	—	.1	.1	.2	.3
Female	1.2	1.6	.1	.1	—	.1	—	.1	.1	.1
Black	1.4	1.9	.1	.0	—	.0	—	.1	.1	.2
Male	1.4	2.0	.1	—	—	—	—	.1	.2	.4
Female	1.4	1.7	.2	.1	—	.1	—	.1	—	.1

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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years and over
<b>Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues—Con.</b>										
Malignant neoplasms of urinary organs (180-189)	1.6	3.5	6.5	10.8	18.4	27.0	41.0	53.2	75.4	92.8
Male	2.1	4.8	9.8	15.6	27.3	40.1	63.4	88.0	129.2	165.0
Female	1.1	2.2	3.7	6.5	10.5	16.1	24.1	30.6	46.5	64.8
White	1.6	3.6	6.5	10.8	18.9	27.5	41.9	54.2	76.3	95.3
Male	2.1	4.9	9.7	15.9	28.5	41.2	65.1	90.3	132.3	173.5
Female	1.1	2.2	3.4	6.2	10.5	16.1	24.3	30.7	46.5	65.5
All other	1.7	3.0	6.9	10.8	14.0	22.7	32.5	44.1	65.6	68.4
Male	2.2	3.9	8.8	13.9	18.2	30.7	47.5	67.2	97.3	91.9
Female	1.3	2.3	5.4	8.2	10.6	18.5	21.7	28.9	47.4	57.4
Black	2.2	3.5	8.0	11.5	15.9	26.0	35.7	49.8	71.2	72.5
Male	3.0	4.7	10.3	14.6	20.3	34.5	52.6	76.5	104.5	98.6
Female	1.6	2.5	6.2	8.7	12.3	19.6	23.8	32.8	52.8	61.4
Malignant neoplasms of all other and unspecified sites (170-173,190-199)	11.0	18.0	29.8	45.8	65.1	88.8	110.0	134.9	171.4	201.4
Male	13.6	22.0	35.5	57.4	81.7	107.7	140.0	174.1	222.7	274.5
Female	8.5	14.2	24.0	35.3	50.7	69.8	87.4	109.6	143.9	172.9
White	11.0	17.7	29.9	45.9	64.8	84.5	110.4	138.1	172.6	204.0
Male	13.6	21.2	34.8	57.1	81.4	108.4	141.4	175.7	228.1	284.0
Female	8.4	14.4	24.1	35.3	50.2	64.4	88.9	110.5	144.0	173.6
All other	11.0	19.9	30.9	48.1	67.8	77.9	108.5	123.8	159.4	175.1
Male	13.6	27.0	40.3	59.1	83.7	101.9	128.6	168.6	188.5	193.0
Female	8.7	13.1	23.1	35.4	54.5	59.1	92.1	100.8	143.3	166.7
Black	13.1	23.0	35.8	51.3	76.2	87.6	118.7	138.8	172.4	185.2
Male	18.6	33.5	48.8	68.7	94.4	114.6	144.8	180.3	208.0	205.7
Female	10.2	14.4	25.3	38.5	61.2	66.8	100.5	109.8	152.2	177.2
Leukemia (204-208)	2.9	3.9	5.6	8.7	13.3	19.7	30.3	43.7	61.7	75.7
Male	3.5	4.5	6.8	10.9	17.0	26.1	41.4	53.8	87.1	110.1
Female	2.4	3.3	4.7	6.8	10.1	14.4	22.0	30.8	48.2	62.4
White	2.9	3.9	5.8	8.9	13.7	19.9	31.0	44.7	62.7	78.0
Male	3.4	4.5	6.8	11.0	17.4	26.5	42.3	65.2	90.0	113.8
Female	2.3	3.4	4.8	6.9	10.5	14.4	22.4	31.4	48.2	64.4
All other	3.3	3.9	4.8	7.9	10.3	17.9	24.3	34.7	51.3	53.2
Male	4.2	5.0	5.5	10.1	13.8	23.1	32.8	48.3	57.5	77.9
Female	2.5	2.9	4.3	6.1	7.4	13.9	18.2	25.8	47.9	41.5
Black	3.8	3.9	4.9	8.5	11.0	18.6	26.8	39.1	56.0	58.5
Male	4.9	5.2	6.2	10.7	13.9	24.8	36.4	55.7	60.7	94.9
Female	2.8	2.8	3.9	6.7	8.7	15.5	20.1	28.7	53.4	43.0
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)	4.0	6.4	10.4	16.3	25.2	37.8	52.9	71.4	93.1	92.2
Male	5.0	8.3	13.0	20.4	30.9	43.9	62.9	86.1	116.1	126.8
Female	3.0	4.6	7.9	12.6	20.2	32.7	45.4	61.9	80.7	78.7
White	3.8	6.2	10.1	16.0	25.5	37.9	53.5	72.7	93.9	94.9
Male	4.8	8.0	12.6	20.2	31.5	44.2	63.5	87.3	117.1	131.3
Female	2.9	4.5	7.7	12.1	20.3	32.6	46.0	63.2	81.5	80.2
All other	4.9	7.9	12.1	18.8	22.7	37.1	47.6	59.8	84.4	71.7
Male	6.1	10.8	15.7	22.3	25.3	41.0	57.9	74.6	105.3	88.4
Female	3.8	5.5	9.2	15.9	19.9	34.1	40.1	50.1	72.7	63.9
Black	5.5	9.3	13.8	21.7	25.5	41.1	52.8	64.5	92.0	75.5
Male	7.1	13.1	17.6	25.8	29.4	45.3	63.9	82.5	114.6	97.1
Female	4.2	6.1	10.7	18.3	22.2	38.0	44.9	53.2	79.5	66.5
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-230)	.8	1.4	2.0	2.9	4.8	6.9	11.1	16.8	27.2	38.7
Male	.9	1.5	2.3	3.1	5.1	8.0	11.7	18.9	30.0	44.5
Female	.7	1.3	1.8	2.6	4.5	6.0	10.7	15.4	25.7	36.4
White	.8	1.3	2.0	2.8	4.6	6.6	10.8	16.3	27.1	39.2
Male	1.0	1.4	2.2	3.0	4.9	7.8	11.8	18.3	30.8	45.1
Female	.7	1.2	1.8	2.7	4.2	5.6	10.3	15.1	25.2	37.0
All other	.8	2.0	2.5	3.7	6.6	9.4	12.6	20.7	27.9	33.1
Male	.7	2.0	3.0	3.6	6.7	9.9	11.0	25.0	22.1	39.5
Female	.9	2.1	2.1	3.8	6.5	9.0	13.7	17.8	31.4	30.1
Black	.9	2.4	3.0	4.3	7.6	11.1	14.7	22.5	30.8	35.8
Male	1.0	2.3	3.8	4.1	7.6	11.8	13.0	28.2	22.5	42.9
Female	.9	2.5	2.4	4.4	7.7	10.5	15.9	20.1	35.4	32.9
Diabetes mellitus (250)	4.7	7.6	13.6	21.2	34.8	51.7	74.9	107.9	153.0	222.1
Male	5.8	9.3	14.2	21.8	36.6	52.9	74.6	110.7	167.8	229.2
Female	3.6	6.0	13.0	20.6	34.2	51.3	75.2	108.1	160.4	219.3
White	3.9	6.4	11.1	17.9	29.8	45.6	67.8	99.2	144.5	215.5
Male	4.9	8.0	11.9	19.1	31.4	48.2	69.7	105.0	152.0	229.0
Female	3.0	4.9	10.3	16.8	28.3	43.5	65.4	95.4	140.5	210.4
All other	9.3	15.4	29.2	43.3	72.9	100.9	139.1	187.2	244.8	287.7
Male	11.8	17.9	29.8	40.9	68.0	86.8	119.4	162.1	216.8	231.4
Female	7.3	13.3	28.7	45.3	76.9	111.8	151.5	203.7	262.4	314.2
Black	12.9	17.6	34.4	50.1	81.9	112.3	154.4	208.8	271.6	302.6
Male	15.1	20.3	35.8	48.4	75.8	98.4	130.1	182.5	231.5	252.9
Female	9.4	15.4	33.3	53.3	87.0	124.9	171.5	225.3	293.8	335.4
Nutritional deficiencies (260-269)	.1	.1	.2	.3	.7	1.4	2.8	6.0	15.3	48.8
Male	.1	.1	.3	.4	.8	1.6	3.2	6.0	17.9	49.1
Female	.1	.1	.1	.3	.7	1.1	2.5	6.0	13.8	50.0
White	.1	.1	.1	.2	.6	1.2	2.4	5.8	14.5	48.5
Male	.1	.1	.2	.2	.6	1.4	2.7	5.6	17.2	46.5
Female	.1	.1	.1	.2	.6	1.0	2.2	5.9	13.1	49.2
All other	.5	.8	.5	1.2	1.8	2.7	6.0	8.4	23.1	62.3
Male	.8	.5	.9	1.7	2.3	3.9	7.5	9.5	24.9	70.9
Female	.3	.1	.1	.7	1.4	1.8	4.9	7.8	22.2	58.0
Black	.8	.4	.5	1.6	2.2	3.1	6.7	9.2	25.2	67.7
Male	.7	.7	.9	2.2	2.8	4.3	8.9	11.5	28.1	80.0
Female	.4	.1	.2	1.0	1.8	2.2	5.2	7.8	23.6	62.7

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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Anemias (280-285)</b>	1.8	0.7	0.3	0.1	0.2	0.2	0.4	0.3	0.4	0.4
Male	1.3	.8	.3	.2	.1	.2	.4	.3	.4	.4
Female	1.7	.6	.3	.1	.2	.2	.3	.3	.3	.4
White	1.5	.3	.1	.1	.1	.1	.2	.1	.1	.1
Male	1.2	.5	.1	.1	.0	.1	.2	.1	.1	.1
Female	1.7	.1	.0	.1	.2	.1	.1	.2	.1	.1
All other	2.0	2.3	1.2	.4	.4	.7	1.3	1.3	1.6	2.1
Male	2.0	1.9	1.3	.6	.3	.6	1.5	1.6	2.1	2.2
Female	2.1	2.7	1.2	.3	.5	.8	1.2	.9	1.0	1.9
Black	2.4	1.5	1.5	.5	.4	.8	1.6	1.5	2.0	2.7
Male	2.4	1.3	1.5	.7	.3	.7	1.8	2.0	2.7	3.0
Female	2.5	1.7	1.6	.4	.5	.9	1.4	1.1	1.3	2.4
<b>Meningitis (320-322)</b>	.5	5.3	.9	.1	.2	.1	.1	.1	.1	.1
Male	.5	5.6	1.0	.1	.1	.1	.1	.2	.2	.2
Female	.4	5.0	.7	.1	.2	.1	.1	.1	.1	.1
White	.4	4.3	.8	.1	.1	.1	.1	.1	.1	.1
Male	.4	4.6	.8	.1	.1	.1	.1	.2	.1	.1
Female	.4	4.0	.7	.1	.1	.1	.1	.1	.1	.1
All other	.9	9.4	1.4	.1	.3	.2	.0	.3	.3	.3
Male	1.1	9.5	1.9	.2	.1	.1	.1	.6	.5	.7
Female	.7	9.3	.9	.1	.6	.2	—	.1	.1	.1
Black	1.1	10.5	1.8	.1	.4	.2	.0	.4	.4	.4
Male	1.3	11.3	2.4	.1	.2	.1	.1	.7	.6	.8
Female	.9	9.6	1.2	.1	.7	.3	—	.1	.1	.1
<b>Major cardiovascular diseases (390-448)</b>	394.4	28.8	2.8	1.0	1.4	2.8	4.8	7.7	14.3	29.2
Male	393.2	28.1	2.8	1.0	1.7	3.5	5.9	9.3	18.5	41.5
Female	395.5	24.3	2.9	1.0	1.0	2.0	3.8	6.1	9.1	17.1
White	413.0	22.3	2.4	.9	1.3	2.4	4.1	6.1	11.3	23.5
Male	409.5	24.7	2.3	.9	1.6	3.1	4.9	7.5	15.6	34.5
Female	416.2	19.7	2.5	1.0	.9	1.6	3.3	4.7	6.9	12.4
All other	284.1	45.6	4.5	1.2	1.8	4.5	8.2	15.7	30.3	61.5
Male	303.2	48.0	4.7	1.5	2.0	5.3	10.5	18.7	41.6	84.1
Female	285.8	43.2	4.2	1.0	1.6	3.6	6.0	13.0	20.1	42.1
Black	342.4	50.6	5.0	1.4	2.0	5.3	9.5	18.6	36.9	78.3
Male	349.8	52.7	5.1	1.7	2.3	6.3	12.2	22.1	44.4	105.2
Female	396.0	48.5	4.9	1.1	1.7	4.4	7.1	16.3	24.5	51.8
<b>Diseases of heart (390-398, 402, 404-429)</b>	311.3	22.6	2.4	.8	1.1	2.2	3.6	5.6	10.8	22.9
Male	321.9	24.6	2.4	.9	1.3	2.9	4.6	7.1	15.4	24.4
Female	301.2	20.4	2.5	.7	.8	1.4	2.7	4.1	6.1	11.7
White	327.2	19.1	2.1	.7	1.0	1.8	2.9	4.4	8.7	18.9
Male	336.8	21.2	1.9	.8	1.3	2.5	3.7	5.7	12.7	23.5
Female	318.0	18.8	2.2	.7	.7	1.2	2.2	3.1	4.7	8.2
All other	225.4	37.2	3.9	1.1	1.4	3.6	6.8	11.9	21.5	45.7
Male	239.2	39.0	4.1	1.3	1.7	4.8	8.8	15.1	30.9	64.5
Female	212.9	35.5	3.7	.8	1.1	2.5	4.9	8.9	13.0	28.5
Black	263.1	41.5	4.3	1.2	1.5	4.3	8.0	14.1	28.1	58.6
Male	276.3	43.0	4.5	1.6	2.0	5.5	10.4	18.0	37.7	80.7
Female	251.2	39.9	4.1	.9	1.1	3.0	5.7	10.6	15.9	36.3
<b>Rheumatic fever and rheumatic heart disease (390-398)</b>	2.6	.2	.0	.0	.0	.1	.2	.2	.3	.5
Male	1.6	.2	.0	.0	.1	.1	.2	.2	.3	.4
Female	3.6	.2	.0	.0	.0	.1	.2	.2	.4	.7
White	2.8	.2	.0	.0	.0	.1	.2	.2	.3	.4
Male	1.7	.1	.0	.0	.0	.1	.2	.1	.2	.3
Female	3.9	.2	.0	.0	.0	.1	.2	.2	.3	.5
All other	1.4	.1	.0	.0	.2	.1	.3	.3	.7	1.6
Male	1.1	.3	—	.1	.2	.1	.5	.5	.5	1.2
Female	1.7	—	.1	—	.1	.1	.1	.2	.8	1.9
Black	1.4	—	.0	.0	.1	.1	.3	.4	.6	1.7
Male	1.1	—	.1	.1	.2	.1	.5	.4	.3	1.5
Female	1.7	—	.1	—	—	.1	.1	.3	.9	1.9
<b>Hypertensive heart disease (402)</b>	8.5	.0	.0	.0	—	.0	.1	.2	.5	1.0
Male	7.4	.1	.0	—	—	.0	.2	.2	.7	1.4
Female	9.5	—	—	.0	—	.0	.1	.1	.3	.6
White	7.2	.0	—	—	—	.0	.0	.1	.2	.5
Male	6.0	.1	—	—	—	.0	.1	.1	.4	.7
Female	8.3	—	—	—	—	.0	.0	.0	.1	.2
All other	15.3	—	.0	.0	—	.0	.4	.8	1.8	4.1
Male	15.0	—	.1	—	—	.0	.7	1.1	2.4	5.8
Female	15.6	—	—	.1	—	.1	.2	.4	1.3	2.6
Black	18.6	—	.0	.0	—	.0	.5	1.0	2.3	5.4
Male	19.2	—	.1	—	—	.0	.8	1.4	3.1	7.7
Female	19.0	—	—	.1	—	.1	.3	.5	1.6	3.4
<b>Hypertensive heart and renal disease (404)</b>	1.0	.0	—	.0	—	.0	.0	.0	.1	.1
Male	.8	—	—	.0	—	.0	.0	.0	.1	.2
Female	1.2	.1	—	—	—	.0	.0	—	.0	.1
White	.9	.0	—	—	—	.0	.0	.0	.0	.0
Male	.7	—	—	—	—	.0	.0	.0	.0	.0
Female	1.0	.1	—	—	—	.0	.0	—	.0	.0
All other	1.8	—	—	.0	—	.1	.1	.0	.2	.8
Male	1.6	—	—	.1	—	.1	.1	.1	.3	1.1
Female	1.9	—	—	.1	—	.1	.1	—	.2	.5
Black	2.2	—	—	.0	—	.1	.1	.0	.3	1.0
Male	1.9	—	—	.1	—	.1	.1	.1	.4	1.5
Female	2.4	—	—	—	—	.1	.1	—	.2	.6

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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years and over
<b>Anemias (280-285)</b>	0.4	0.6	0.5	1.1	1.3	2.3	4.5	9.0	16.4	40.2
Male	.5	.7	.6	1.1	1.5	2.5	5.6	10.5	17.7	42.1
Female	.3	.5	.5	1.1	1.2	2.0	3.6	8.1	15.7	39.5
White	.2	.3	.4	.9	1.2	2.0	4.4	8.7	16.1	40.4
Male	.3	.4	.4	1.0	1.4	2.3	5.8	10.1	17.4	42.8
Female	.1	.2	.4	.8	1.1	1.9	3.4	7.8	15.4	39.5
All other	1.6	2.2	1.4	2.6	2.0	3.9	4.7	11.6	20.1	38.3
Male	1.8	2.5	1.9	2.2	1.8	4.7	3.9	13.8	21.2	38.0
Female	1.4	2.0	1.1	3.0	2.3	3.2	5.4	10.2	18.6	39.3
Black	2.1	2.9	1.8	3.2	2.5	4.2	5.2	12.8	22.8	40.6
Male	2.3	3.3	2.4	2.6	2.2	4.6	4.5	14.2	24.7	37.1
Female	1.9	2.5	1.4	3.8	2.8	4.0	5.7	11.9	21.7	42.4
<b>Meningitis (320-322)</b>	.1	.3	.3	.5	.6	.9	1.3	1.6	1.9	2.7
Male	.2	.4	.4	.7	.8	.9	1.2	1.5	1.8	3.4
Female	.0	.2	.2	.3	.5	.8	1.4	1.6	2.1	2.4
White	.1	.2	.2	.4	.5	.7	1.2	1.3	1.6	2.4
Male	.1	.2	.3	.8	.7	.7	1.1	1.2	1.2	2.8
Female	.0	.1	.1	.2	.4	.7	1.3	1.4	1.8	2.2
All other	.5	1.2	1.1	1.1	1.5	2.2	2.2	3.9	5.5	6.3
Male	1.2	2.1	1.7	1.6	1.8	2.1	2.1	3.9	5.3	8.1
Female	—	.4	.6	.7	1.3	2.3	2.4	4.0	5.7	5.5
Black	.7	1.5	1.4	1.3	1.8	2.3	2.6	4.6	6.4	7.0
Male	1.5	2.6	2.3	1.8	1.9	2.0	2.2	4.9	5.6	8.6
Female	—	.5	.8	.8	1.6	2.6	2.9	4.4	6.8	6.3
<b>Major cardiovascular diseases (390-448)</b>	58.7	113.7	204.9	356.0	588.0	836.6	1,540.1	2,543.1	4,474.6	8,431.0
Male	86.1	167.1	298.3	514.5	833.1	1,288.4	2,077.6	3,308.1	5,512.2	10,136.4
Female	32.3	62.8	117.2	211.7	374.1	644.9	1,134.3	2,047.1	3,919.0	8,163.0
White	49.7	99.3	183.0	330.4	551.4	800.4	1,507.8	2,515.1	4,449.9	9,644.7
Male	75.4	150.1	275.5	488.0	798.4	1,258.0	2,061.0	3,310.2	5,517.8	10,443.0
Female	24.4	50.0	96.2	184.7	333.7	600.1	1,088.2	1,899.9	3,882.4	8,340.6
All other	116.2	204.3	338.3	628.6	1,088.6	1,728.2	2,824.3	4,740.3	7,302.6	13,430.6
Male	160.1	283.5	452.5	705.1	1,108.1	1,524.3	2,229.0	3,274.6	5,455.8	7,491.9
Female	79.3	137.8	240.1	385.2	668.7	996.1	1,533.5	2,484.1	4,347.9	7,213.7
Black	145.6	248.9	399.5	617.9	992.9	1,392.0	2,052.8	3,138.4	5,293.2	7,735.8
Male	200.3	348.7	540.3	810.5	1,250.2	1,714.1	2,506.7	3,715.8	6,028.1	7,968.8
Female	100.3	167.2	284.1	457.2	781.3	1,144.3	1,733.9	2,777.8	4,887.0	7,681.6
<b>Diseases of heart (390-398,402,404-429)</b>	47.8	95.0	174.0	304.4	497.0	777.0	1,246.0	2,000.2	3,427.7	7,088.1
Male	73.4	146.2	263.0	452.3	719.7	1,091.2	1,714.8	2,651.8	4,319.6	7,830.9
Female	22.8	46.2	90.5	169.7	302.7	515.0	892.0	1,577.6	2,950.1	6,810.1
White	41.5	84.8	159.6	286.9	472.0	754.0	1,228.4	1,886.5	3,417.5	7,264.9
Male	66.0	134.4	247.7	434.4	697.0	1,075.1	1,711.5	2,664.1	4,397.7	8,072.5
Female	17.4	36.7	75.2	150.5	273.6	484.2	861.9	1,547.5	2,928.5	6,957.3
All other	86.9	159.1	264.2	423.1	686.6	962.4	1,400.4	2,123.9	3,536.4	5,436.4
Male	125.2	227.2	366.5	581.4	899.5	1,225.6	1,744.8	2,529.3	4,135.4	5,754.7
Female	54.0	101.9	179.6	292.9	514.6	766.2	1,152.8	1,857.5	3,205.7	5,286.9
Black	109.4	194.9	314.5	493.3	788.7	1,092.0	1,578.1	2,388.3	3,982.4	5,781.7
Male	156.9	278.8	438.1	667.5	1,014.7	1,378.0	1,983.6	2,872.1	4,594.4	6,165.7
Female	70.1	126.4	214.8	348.0	604.8	871.8	1,207.3	2,082.9	3,619.0	5,648.1
<b>Rheumatic fever and rheumatic heart disease (390-398)</b>	.7	1.5	2.2	3.9	5.2	8.4	12.4	17.8	24.8	27.4
Male	.6	1.3	1.7	3.0	3.8	6.2	9.7	12.1	16.4	21.1
Female	.8	1.6	2.6	4.7	6.5	10.3	15.3	21.5	29.4	29.9
White	.6	1.3	2.1	4.0	5.4	8.7	13.1	19.0	26.2	28.8
Male	.5	1.2	1.8	3.1	4.0	6.4	9.1	12.8	17.2	21.9
Female	.7	1.4	2.5	4.8	6.6	10.7	16.2	23.1	30.8	31.4
All other	1.5	2.4	3.1	3.1	4.2	5.7	8.5	7.0	10.7	13.8
Male	1.3	2.0	2.8	1.9	2.6	4.5	5.4	6.0	8.0	14.0
Female	1.6	2.7	3.5	4.0	5.4	6.6	7.3	7.6	12.4	19.7
Black	1.7	2.8	3.3	3.0	4.0	5.3	5.7	6.9	8.8	12.2
Male	1.4	2.5	3.0	1.8	2.6	4.6	4.5	6.6	7.9	8.6
Female	1.9	3.1	3.6	3.9	5.2	5.8	6.5	7.2	9.3	13.9
<b>Hypertensive heart disease (402)</b>	2.1	4.3	7.4	11.2	16.5	23.3	32.8	60.9	83.7	160.0
Male	2.7	5.5	9.9	14.7	20.5	28.3	37.3	51.1	75.6	120.2
Female	1.6	3.1	5.0	8.1	13.1	19.2	28.4	50.7	90.0	175.3
White	1.1	2.3	4.3	7.4	11.4	17.7	26.0	42.4	73.3	150.6
Male	1.7	3.3	6.5	10.1	14.7	22.1	30.1	42.9	65.3	107.4
Female	.5	1.3	2.3	4.8	8.6	13.9	22.9	42.1	77.5	167.0
All other	8.6	16.7	26.2	37.6	55.2	68.7	93.3	127.9	195.5	263.5
Male	8.6	20.8	32.7	48.3	68.5	79.8	103.3	125.0	180.5	230.2
Female	7.8	13.7	20.8	28.7	46.0	59.9	86.1	129.7	205.2	264.5
Black	11.3	21.6	32.8	46.3	65.7	80.9	109.8	146.4	225.2	280.3
Male	12.5	26.3	41.3	58.6	77.7	93.6	121.2	147.5	210.1	258.6
Female	10.3	17.7	26.0	36.0	55.9	71.2	101.8	145.7	233.5	291.8
<b>Hypertensive heart and renal disease (404)</b>	.1	.2	.3	.7	1.4	2.1	3.3	7.0	12.9	25.4
Male	.2	.3	.3	.8	1.3	2.2	3.5	7.7	13.9	28.6
Female	.1	.2	.3	.6	1.4	2.0	3.1	6.5	12.3	24.1
White	.0	.1	.2	.4	.8	1.5	2.4	5.6	10.8	24.2
Male	.0	.1	.2	.4	.8	1.7	2.5	6.7	12.1	26.5
Female	.0	.1	.1	.4	.8	1.4	2.3	4.9	10.1	23.4
All other	.6	1.1	1.3	2.6	5.3	8.7	11.4	19.3	35.1	36.8
Male	.9	1.5	1.3	3.5	4.4	6.6	13.1	18.4	32.7	46.5
Female	.4	.7	1.3	1.8	6.1	6.8	10.1	21.2	38.6	32.2
Black	.9	1.3	1.6	3.1	6.5	7.9	13.8	23.3	41.8	40.2
Male	1.2	1.8	1.7	4.1	5.2	7.7	16.4	19.7	30.2	50.0
Female	.8	.9	1.5	2.3	7.7	8.2	12.0	25.6	43.5	36.1

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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1967 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total *	Under 1 year *	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Diseases of heart-Con.</b>										
Ischemic heart disease (410-414)	207.3	0.8	0.1	0.0	0.1	0.1	0.5	1.4	3.9	11.4
Male	220.9	.8	.1	.0	.1	.2	.8	2.0	6.2	18.9
Female	194.4	.7	.1	.0	.0	.1	.2	.8	1.8	4.1
White	223.6	.7	.1	.0	.1	.1	.4	1.2	3.6	10.6
Male	238.0	.7	.0	.0	.1	.1	.6	1.7	6.7	17.9
Female	209.8	.7	.1	.0	.0	.1	.2	.7	1.5	3.3
All other	119.5	1.1	.1	.0	.0	.4	.9	2.3	5.8	15.9
Male	126.6	1.1	.1	.1	.1	.7	1.5	3.4	9.2	24.5
Female	113.0	1.1	.1	.0	.1	.3	1.2	2.4	8.5	
Black	137.1	1.3	.1	.0	.4	1.1	2.5	6.8	19.7	
Male	142.6	1.3	.1	.0	.8	1.8	3.7	11.2	30.3	
Female	192.2	1.4	.1	.0	.1	.4	1.5	3.0	10.8	
Acute myocardial infarction (410)	100.9	.4	.0	.0	.0	.1	.3	.8	2.2	6.6
Male	113.5	.5	.0	.0	.0	.1	.5	1.0	3.5	10.8
Female	88.9	.4	.0	.0	.0	.0	.2	.5	1.0	2.4
White	108.6	.4	.0	.0	.0	.0	.3	.7	2.1	6.1
Male	122.6	.5	.0	.0	.0	.1	.5	.9	3.2	10.4
Female	85.3	.2	.1	.0	.0	.0	.2	.5	.9	1.9
All other	59.0	.8	.1	.0	.0	.1	.5	1.3	3.0	9.1
Male	63.3	.5	.0	.0	.0	.2	.7	1.9	4.7	13.8
Female	55.2	1.1	.1	.0	.1	.3	.7	1.5	5.0	
Black	87.6	1.0	.0	.0	.0	.2	.7	1.4	3.6	11.2
Male	71.2	.7	.0	.0	.0	.3	.9	1.9	6.7	17.0
Female	64.2	1.4	.0	.0	.1	.1	.4	.9	1.8	6.3
Other acute and subacute forms of ischemic heart disease (411)	1.4	.1	.0	.0	.0	.0	.0	.0	.1	.2
Male	1.6	.2	.0	.0	.0	.0	.0	.0	.1	.4
Female	1.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
White	1.4	.1	.0	.0	.0	.0	.0	.0	.1	.2
Male	1.6	.1	.0	.0	.0	.0	.0	.0	.1	.3
Female	1.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
All other	1.3	.1	.0	.0	.0	.0	.1	.1	.2	.3
Male	1.6	.3	.0	.0	.0	.0	.2	.1	.4	.7
Female	1.0	.0	.0	.0	.0	.0	.1	.1	.1	.1
Black	1.5	.2	.0	.0	.0	.0	.1	.1	.2	.5
Male	1.9	.3	.0	.0	.0	.0	.2	.1	.3	.9
Female	1.2	.0	.0	.0	.0	.0	.1	.1	.1	.1
Angina pectoris (413)	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
Male	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
Female	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
White	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
Male	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
Female	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
All other	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
Male	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
Female	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
Black	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
Male	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1
Female	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	104.6	.2	.0	.0	.0	.1	.2	.6	1.8	4.6
Male	105.4	.1	.0	.0	.1	.1	.3	.9	2.8	7.6
Female	103.9	.3	.1	.0	.0	.0	.0	.3	.8	1.7
White	113.1	.2	.0	.0	.0	.0	.1	.5	1.5	4.3
Male	113.4	.1	.0	.0	.1	.0	.2	.8	2.4	7.3
Female	112.9	.4	.0	.0	.0	.1	.2	.8	1.3	1.3
All other	58.9	.1	.1	.0	.0	.2	.3	.9	2.4	6.5
Male	61.5	.3	.1	.1	.0	.5	.6	1.5	4.1	10.0
Female	56.8	.0	.1	.0	.0	.0	.0	.4	.8	3.5
Black	67.0	.2	.1	.0	.0	.3	.9	1.0	3.0	8.0
Male	69.2	.3	.1	.0	.0	.5	.7	1.6	5.2	12.3
Female	66.5	.0	.1	.0	.0	.0	.4	.4	1.1	4.4
Other diseases of endocardium (424)	4.8	.4	.1	.0	.0	.1	.1	.2	.3	.8
Male	4.3	.6	.0	.0	.0	.1	.1	.3	.4	.7
Female	5.2	.3	.1	.0	.0	.1	.1	.2	.3	.4
White	5.2	.4	.1	.0	.0	.1	.1	.2	.3	.4
Male	4.6	.5	.0	.0	.1	.1	.1	.2	.3	.5
Female	5.7	.3	.1	.0	.0	.1	.1	.2	.2	.2
All other	2.7	.5	.1	.0	.0	.0	.1	.5	.8	1.5
Male	2.8	.8	.0	.0	.0	.1	.2	.4	.9	2.0
Female	2.7	.3	.1	.0	.1	.0	.1	.8	.4	1.1
Black	3.0	.7	.0	.0	.0	.0	.1	.8	.8	2.0
Male	3.0	1.0	.0	.0	.0	.1	.2	.4	1.1	2.6
Female	3.0	.3	.1	.0	.1	.0	.7	.5	1.4	
All other forms of heart disease (415-423,425-429)	87.1	21.2	2.2	.8	.9	1.8	2.7	3.8	5.8	9.2
Male	86.8	23.1	2.2	.8	1.2	2.5	3.2	4.5	7.8	12.8
Female	87.5	19.2	2.2	.7	.7	1.2	2.1	2.9	3.5	5.6
White	87.6	17.8	1.9	.7	.9	1.5	2.2	2.9	4.3	7.0
Male	85.8	19.8	1.8	.7	1.1	2.1	2.7	3.5	6.0	9.9
Female	89.3	15.6	2.0	.7	.6	.9	1.7	2.0	2.5	4.0
All other	84.7	35.5	3.8	1.0	1.2	3.1	4.9	8.0	12.5	21.8
Male	92.2	36.9	4.0	1.2	1.5	3.9	5.9	9.8	17.4	29.9
Female	77.9	34.2	3.3	.7	.9	2.2	3.9	6.5	8.0	14.8
Black	100.8	39.5	4.1	1.1	1.3	3.6	5.9	9.7	15.3	26.9
Male	109.5	40.7	4.4	1.4	1.7	4.5	7.1	12.0	21.6	37.2
Female	92.9	38.2	3.9	.8	.9	2.7	4.7	7.6	9.7	18.2

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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years and over
<b>Diseases of heart-Con.</b>										
Ischemic heart disease (410-414)	28.6	60.5	112.3	200.6	333.1	630.5	861.6	1,375.5	2,330.5	4,818.9
Male	47.0	98.2	177.3	307.7	496.7	786.1	1,211.9	1,874.0	3,020.0	5,236.2
Female	10.8	24.4	51.2	102.8	180.4	394.1	697.1	1,052.3	1,961.3	4,374.2
White	27.3	58.0	109.6	197.9	329.0	531.0	871.1	1,395.5	2,361.5	4,778.1
Male	45.5	95.9	176.6	308.5	489.1	776.5	1,238.2	1,924.1	3,084.1	5,476.5
Female	9.4	21.2	45.3	95.6	178.8	324.8	605.7	1,053.0	1,877.4	4,512.1
All other	38.8	75.7	129.3	217.8	364.7	626.4	775.7	1,184.0	1,997.1	3,011.5
Male	57.6	114.0	181.7	301.7	477.4	679.0	1,041.2	1,414.2	2,368.1	3,172.1
Female	19.4	43.6	86.0	148.6	273.5	408.8	635.4	1,049.3	1,791.2	2,936.1
Black	45.6	89.9	151.5	248.8	410.7	587.3	860.3	1,322.3	2,202.8	3,165.1
Male	70.7	134.5	212.0	338.9	524.5	745.0	1,069.1	1,578.1	2,548.3	3,944.3
Female	24.9	53.4	102.7	175.3	317.3	465.8	713.8	1,162.5	2,011.8	3,105.7
Acute myocardial infarction (410)	17.1	35.8	67.5	117.2	193.0	300.5	468.3	706.6	1,095.2	1,852.2
Male	28.0	58.0	106.8	178.2	284.2	429.0	648.5	962.7	1,443.7	2,025.7
Female	0.7	14.6	30.6	60.7	113.5	193.2	392.3	540.5	808.6	1,506.3
White	16.7	35.4	67.1	116.8	182.3	302.3	476.1	719.2	1,110.2	1,700.9
Male	27.7	58.3	108.3	181.4	288.5	437.1	665.4	990.7	1,476.8	2,111.6
Female	5.8	13.1	27.6	57.0	107.5	189.1	332.5	543.3	915.4	1,544.4
All other	20.3	39.3	70.2	119.8	198.8	285.5	398.4	591.8	939.8	1,166.9
Male	30.5	56.1	98.8	162.7	249.6	361.6	493.4	705.6	1,107.1	1,287.2
Female	11.7	23.3	48.1	84.4	157.7	225.8	390.0	617.0	897.8	1,110.4
Black	25.1	45.2	82.3	135.8	221.5	318.4	438.8	652.9	1,026.2	1,225.8
Male	37.1	86.0	112.6	180.7	272.7	394.9	543.5	788.5	1,187.8	1,357.1
Female	15.1	28.1	57.9	98.4	179.4	259.8	365.3	588.3	935.4	1,175.3
Other acute and subacute forms of ischemic heart disease (411)	.4	.9	1.4	2.0	2.9	4.1	5.6	7.8	11.8	24.0
Male	.8	1.4	2.1	3.2	4.7	6.1	8.1	11.3	14.5	27.6
Female	.1	.4	.7	1.0	1.4	2.5	3.7	5.5	10.4	22.6
White	.4	.7	1.2	2.0	2.8	3.9	5.4	7.4	11.7	23.9
Male	.7	1.2	2.0	3.2	4.6	6.6	9.1	12.7	17.4	27.9
Female	.1	.3	.5	.9	1.2	2.4	3.6	5.2	10.3	22.4
All other	.7	1.7	2.5	2.0	3.0	4.3	7.5	11.3	13.3	25.3
Male	1.3	2.7	3.0	3.0	5.6	9.7	11.9	16.8	15.9	25.6
Female	.3	.9	2.0	1.2	2.4	3.6	4.3	7.6	11.9	25.1
Black	.9	2.1	3.0	2.4	4.6	7.5	8.8	13.2	15.2	27.1
Male	1.5	3.1	3.6	3.6	6.7	11.8	14.1	19.7	18.0	30.0
Female	.3	1.2	2.6	1.5	2.8	4.2	5.2	9.2	13.7	25.9
Angina pectoris (413)	.0	.1	.2	.3	.6	1.1	1.7	2.8	5.2	10.0
Male	.0	.1	.2	.4	.8	1.4	2.3	3.7	5.8	8.7
Female	.0	.1	.1	.1	.4	.8	1.3	2.2	4.8	10.5
White	.0	.1	.1	.3	.6	1.1	1.7	2.7	5.4	10.5
Male	.0	.0	.2	.4	.8	1.5	2.3	3.8	5.9	9.3
Female	-.1	.1	.0	.1	.4	.9	1.2	2.1	5.1	10.9
All other	-.1	.1	.5	.3	.9	.5	2.1	3.6	2.9	5.2
Male	-.1	.2	.7	.3	.7	.6	2.7	4.4	4.4	3.5
Female	-.1	-.1	.4	.3	1.0	.5	1.7	3.7	2.1	6.0
Black	-.1	.1	.6	.3	1.0	.7	2.6	4.4	3.6	6.1
Male	-.1	.3	.9	.2	.9	.8	3.3	4.4	5.8	4.3
Female	.1	-.1	.3	.3	1.1	.6	2.1	4.4	2.6	7.0
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	11.0	23.7	43.2	81.0	136.5	224.9	385.9	658.4	1,218.3	2,830.7
Male	18.2	38.7	68.1	125.0	207.0	329.7	552.9	896.3	1,556.0	3,174.2
Female	4.0	9.4	18.8	41.0	75.0	137.5	259.9	504.1	1,037.4	2,834.8
White	10.2	21.8	41.1	78.9	133.3	228.7	387.9	666.2	1,234.2	3,042.9
Male	17.1	36.4	66.1	128.5	205.2	332.4	562.6	918.9	1,587.0	3,327.6
Female	3.4	7.7	17.2	37.6	69.9	132.4	255.3	502.4	1,046.7	2,934.4
All other	15.8	35.6	56.2	95.7	161.2	234.1	367.7	587.4	1,047.1	1,814.1
Male	25.8	54.9	81.2	135.7	221.5	307.0	462.7	688.4	1,240.7	1,855.8
Female	7.3	18.4	35.5	62.8	112.3	176.9	289.4	521.0	939.7	1,794.5
Black	19.6	42.5	65.8	110.9	189.7	260.7	410.0	651.7	1,158.8	1,905.1
Male	32.1	65.0	94.9	152.5	244.2	337.6	508.2	765.6	1,337.1	1,952.9
Female	9.3	24.1	41.9	75.2	134.0	201.4	341.0	580.5	1,080.2	1,897.5
Other diseases of endocardium (424)	.8	1.0	1.9	3.4	5.4	9.8	18.1	32.0	61.8	117.9
Male	1.1	1.3	2.7	4.4	6.8	12.1	23.7	38.6	68.8	120.8
Female	.5	.7	1.1	2.4	4.1	7.9	13.9	27.7	58.0	116.8
White	.8	.8	1.7	3.2	5.4	9.7	18.6	32.9	63.2	123.2
Male	.9	1.1	2.4	4.2	7.0	12.1	24.3	39.5	71.2	126.7
Female	.4	.6	1.0	2.3	4.0	7.8	14.3	28.6	58.9	121.9
All other	1.7	2.2	3.0	4.6	5.1	11.2	13.7	24.3	46.4	65.4
Male	2.3	3.1	4.3	6.0	5.8	11.5	18.5	31.0	44.2	70.9
Female	1.2	1.4	1.9	3.4	4.7	11.0	10.3	19.8	47.9	62.8
Black	2.0	2.6	3.5	5.2	5.3	12.4	13.3	25.8	47.2	68.8
Male	2.9	3.4	5.1	6.9	5.8	12.9	17.5	33.3	43.8	72.9
Female	1.3	1.8	2.3	3.8	5.0	12.5	10.4	21.2	49.1	64.6
All other forms of heart disease (415-423,425-429)	15.4	27.6	50.0	84.7	135.4	202.8	317.8	516.9	914.1	2,150.5
Male	21.9	39.6	71.1	121.7	190.8	276.3	428.7	668.3	1,124.9	2,303.9
Female	9.0	16.2	30.2	51.1	87.3	141.5	233.3	418.8	801.2	2,089.9
White	11.9	22.3	41.8	74.0	120.0	185.3	297.2	491.1	882.7	2,180.0
Male	17.4	32.7	60.3	108.1	171.4	256.3	407.4	638.2	1,087.8	2,313.5
Female	6.4	12.1	24.1	42.5	74.7	125.7	213.8	385.8	773.6	2,101.5
All other	37.7	61.1	101.4	157.6	252.4	343.8	499.9	751.5	1,251.6	2,055.4
Male	53.5	86.4	143.9	219.9	342.9	444.1	633.7	936.6	1,501.8	2,220.9
Female	24.4	39.8	66.2	106.2	179.0	265.1	403.9	629.7	1,112.4	1,977.8
Black	47.8	78.8	121.8	185.9	297.5	398.2	575.2	881.6	1,438.8	2,217.0
Male	68.2	110.3	176.0	259.2	389.1	514.8	734.9	1,088.9	1,746.1	2,431.4
Female	31.0	49.4	78.8	126.6	213.9	308.3	462.9	720.8	1,285.8	2,136.1





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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years and over
<b>Major cardiovascular diseases—Con.</b>										
Hypertension with or without renal disease (401,403)	0.5	0.9	2.2	3.0	5.3	8.2	13.6	22.0	39.7	78.4
Male	.7	1.1	2.8	3.5	5.8	9.2	15.1	24.8	46.3	77.7
Female	.4	.8	1.9	2.6	4.8	7.5	12.4	20.2	36.2	78.7
White	.3	.5	1.1	2.1	3.6	6.0	11.3	19.8	36.2	74.7
Male	.4	.7	1.3	2.9	4.4	7.8	13.3	22.8	43.2	74.8
Female	.2	.4	.8	1.3	2.7	5.7	9.7	17.0	32.5	74.6
All other	2.0	3.4	9.3	9.6	18.7	21.2	34.0	46.2	77.9	115.6
Male	2.6	3.8	11.2	7.6	17.0	21.0	31.0	42.2	77.8	102.3
Female	1.5	3.1	7.7	11.3	20.9	21.3	38.1	48.7	78.4	121.9
Black	2.7	4.2	11.5	11.7	22.7	25.3	38.7	54.2	89.2	127.1
Male	3.5	4.7	13.5	9.1	20.3	24.6	34.6	48.6	85.4	114.3
Female	2.0	3.7	9.8	14.0	24.8	25.8	41.5	57.7	81.3	133.5
Cerebrovascular diseases (430-438)	9.0	15.5	23.4	38.4	64.1	111.3	208.6	404.5	706.8	1,707.4
Male	10.0	17.0	25.7	44.1	75.1	127.3	242.4	463.0	881.0	1,625.6
Female	8.2	14.1	21.2	33.2	54.5	98.1	184.9	366.5	762.5	1,738.4
White	6.7	12.0	18.4	31.5	54.9	99.4	190.0	381.4	784.1	1,739.4
Male	7.4	12.5	20.3	36.1	64.7	114.9	227.8	450.2	846.7	1,687.1
Female	6.0	11.5	16.7	27.3	46.3	88.4	171.9	353.2	760.7	1,687.0
All other	24.1	38.0	54.5	85.0	133.6	207.3	330.1	524.1	934.4	1,388.8
Male	27.7	46.0	62.7	101.6	157.3	238.7	375.2	577.2	1,008.2	1,388.6
Female	21.1	29.8	47.7	71.3	114.5	189.0	297.6	489.2	897.4	1,445.4
Black	29.6	45.2	63.1	99.2	151.4	232.8	369.8	581.5	1,031.6	1,445.4
Male	34.0	59.3	75.0	117.4	178.4	258.6	423.4	651.9	1,093.3	1,302.9
Female	25.8	33.7	53.6	84.0	129.2	213.3	332.1	537.5	997.5	1,517.7
Intracerebral and other intracranial hemorrhage (431-432)	3.3	6.4	8.2	11.9	16.4	23.8	36.5	57.1	85.7	109.4
Male	4.1	7.8	9.3	14.0	19.2	28.6	42.7	62.9	89.3	111.6
Female	2.6	6.2	7.1	10.9	13.9	21.6	31.7	53.3	83.7	108.5
White	2.1	4.3	5.7	9.4	14.0	21.7	34.5	58.4	84.8	111.3
Male	2.6	4.7	6.6	10.8	16.4	24.2	40.3	62.2	88.0	114.1
Female	1.6	3.9	4.9	8.0	11.9	19.7	30.1	52.7	83.1	110.3
All other	11.3	19.8	23.6	29.2	34.2	40.6	54.3	62.6	95.1	90.7
Male	14.1	27.6	27.8	36.7	40.8	48.4	65.4	69.0	102.7	90.7
Female	6.9	19.2	20.1	23.0	28.9	39.3	49.4	58.4	91.2	90.7
Black	14.2	23.9	27.1	33.4	38.7	42.8	54.6	64.0	95.2	88.9
Male	17.7	34.6	33.2	41.0	44.8	48.1	66.5	69.0	96.6	87.1
Female	11.4	15.0	22.2	27.0	30.1	38.8	46.2	61.8	94.4	87.3
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.8)	.5	1.0	2.4	4.0	8.0	14.3	29.7	56.9	120.4	284.9
Male	.7	1.3	3.0	4.9	9.8	16.9	35.7	65.5	128.1	248.9
Female	.4	.7	1.8	3.2	6.4	12.1	25.2	51.3	116.3	271.7
White	.4	.8	1.9	3.4	7.2	12.9	26.5	55.5	110.1	272.7
Male	.5	1.0	2.8	4.1	9.1	15.5	34.6	63.9	126.4	258.0
Female	.3	.8	1.3	2.7	5.6	10.7	23.8	50.0	115.2	279.1
All other	1.1	2.1	5.1	8.0	13.6	25.9	49.9	69.9	135.1	188.6
Male	1.7	3.2	5.8	10.3	15.2	28.5	48.0	79.7	148.0	188.6
Female	.8	1.2	4.6	6.1	12.3	23.7	37.3	63.5	129.4	185.1
Black	1.1	2.4	6.3	9.3	15.5	29.1	46.8	77.9	151.6	200.0
Male	1.9	3.8	6.8	12.4	16.9	31.7	52.9	90.2	166.3	181.4
Female	.4	1.5	5.7	6.7	14.4	27.0	42.6	70.3	143.5	209.5
Cerebral embolism (434.1)	.0	.1	.1	.2	.4	.7	1.6	2.2	3.6	6.8
Male	.1	.1	.1	.2	.5	.8	1.6	2.5	4.3	6.5
Female	.0	.0	.1	.1	.3	.8	1.4	2.1	3.2	7.0
White	.0	.0	.1	.1	.4	.6	1.5	2.3	3.8	7.3
Male	.1	.1	.1	.2	.5	.7	1.5	2.6	4.5	7.3
Female	.0	.1	.0	.1	.4	.8	1.5	2.1	3.4	7.3
All other	.0	.1	.1	.4	.2	.8	1.2	1.9	1.3	3.0
Male	.0	.1	.1	.4	.5	1.0	2.1	1.7	1.8	—
Female	.1	.2	.1	.1	.1	.8	.8	2.0	1.0	4.4
Black	.1	.1	.1	.4	.2	.9	1.2	1.9	.8	3.5
Male	.1	.3	.2	.8	.4	.8	2.2	2.2	.8	—
Female	.1	.3	.2	.2	.2	1.0	.5	1.7	1.2	5.1
All other and late effects of cerebrovascular diseases (430,433,435-438)	5.1	8.1	12.8	22.4	39.4	72.5	141.9	289.3	597.2	1,328.9
Male	5.1	8.0	13.4	25.0	45.7	83.0	162.4	332.1	639.3	1,260.5
Female	5.1	8.1	12.3	19.9	33.9	63.8	126.5	259.9	559.3	1,351.2
White	4.1	6.8	10.7	18.7	33.9	64.1	131.6	277.2	576.4	1,348.1
Male	4.2	6.7	11.0	21.0	38.8	74.4	151.5	321.5	627.9	1,289.7
Female	4.1	7.0	10.4	16.5	28.5	55.5	116.5	248.4	549.1	1,370.4
All other	11.6	16.0	25.7	47.4	85.5	139.9	239.6	399.7	702.9	1,108.6
Male	11.8	17.0	29.2	54.0	100.7	154.8	261.8	428.7	755.8	1,009.3
Female	11.5	15.1	22.9	42.0	79.2	128.1	213.3	365.4	675.8	1,155.2
Black	14.1	18.8	28.6	68.1	98.9	160.1	267.2	436.8	784.0	1,155.0
Male	14.4	20.8	34.7	63.1	116.2	178.0	301.9	489.6	830.3	1,034.3
Female	13.8	17.2	25.6	50.2	84.7	146.5	242.8	403.8	758.4	1,215.8
Atherosclerosis (440)	.2	.4	1.2	2.2	5.0	10.0	21.5	45.2	110.8	396.1
Male	.3	.5	1.6	3.0	6.8	12.7	28.6	55.6	128.9	385.2
Female	.1	.2	.7	1.6	3.4	7.7	16.1	38.5	100.6	400.1
White	.2	.3	1.0	2.2	4.6	9.7	21.3	44.2	111.2	410.9
Male	.3	.5	1.3	3.0	6.5	12.3	28.7	54.7	129.9	399.6
Female	.1	.2	.7	1.5	2.9	7.4	15.7	37.4	101.3	415.3
All other	.2	.5	2.0	2.6	7.8	12.8	23.1	54.2	106.5	248.3
Male	.3	.5	3.6	3.0	8.9	16.1	27.8	63.8	129.2	281.6
Female	.2	.5	.6	2.2	6.8	10.2	19.7	47.9	93.6	242.1
Black	.2	.7	2.3	3.0	9.1	15.3	26.2	63.4	120.0	265.9
Male	.3	.7	4.3	3.6	10.2	19.7	31.6	77.6	149.4	288.6
Female	.2	.7	.8	2.6	8.2	11.9	22.5	54.6	103.7	257.6

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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Major cardiovascular diseases-Con.</b>										
Other diseases of arteries, arterioles, and capillaries (441-448)	9.4	0.2	0.0	0.0	0.1	0.2	0.2	0.4	0.5	0.5
Male	11.5	.4	.0	.0	.1	.2	.3	.4	.7	1.0
Female	7.4	.1	.0	.0	.0	.2	.1	.3	.3	.5
White	10.2	.2	.0	.0	.1	.1	.2	.3	.4	.7
Male	12.6	.4	.0	.0	.1	.2	.2	.4	.6	.9
Female	7.9	.0	.0	.0	.0	.1	.2	.3	.3	.4
All other	5.5	.3	.0	.0	.1	.2	.2	.6	.8	1.4
Male	5.9	.3	.1	.0	.1	.1	.4	.3	1.0	1.6
Female	5.1	.3	.0	.0	.1	.3	.0	.8	.5	1.2
Black	6.2	.2	.0	.0	.1	.2	.2	.8	1.0	1.6
Male	6.4	.3	.0	.0	.1	.1	.5	.3	1.4	2.1
Female	5.9	.0	.0	.0	.1	.4	.0	.9	.7	1.5
Acute bronchitis and bronchiolitis (466)	.3	1.9	.2	.0	.0	.0	.0	.0	.0	.0
Male	2.4	.2	.0	.0	.0	.0	.0	.0	.0	.0
Female	.3	1.3	.1	.0	.0	.0	.0	.0	.0	.0
White	.3	1.4	.2	.0	.0	.0	.0	.0	.0	.0
Male	.2	1.8	.2	.0	.0	.0	.0	.0	.0	.0
Female	.3	1.0	.1	.0	.0	.0	.0	.0	.0	.0
All other	.2	3.8	.1	.1	.0	.0	.0	.0	.1	.0
Male	.2	4.8	.2	.1	.0	.0	.0	.0	.1	.0
Female	.2	2.7	.1	.1	.0	.0	.0	.0	.1	.0
Black	.2	3.9	.1	.1	.0	.0	.0	.0	.1	.0
Male	.2	5.3	.2	.1	.0	.0	.0	.0	.1	.0
Female	.2	2.4	.1	.1	.0	.0	.0	.0	.1	.0
Pneumonia and influenza (490-497)	31.6	16.6	1.3	.4	.4	.5	.9	1.3	2.5	3.4
Male	30.8	19.3	1.2	.4	.4	.5	1.0	1.6	3.1	4.6
Female	32.4	13.8	1.3	.3	.3	.5	.8	1.1	1.9	2.3
White	33.5	12.4	1.1	.3	.3	.4	.8	1.1	1.6	2.4
Male	31.8	14.9	1.1	.4	.4	.5	.8	1.2	2.2	3.2
Female	35.2	9.8	1.2	.3	.3	.4	.7	.8	1.3	1.7
All other	21.1	34.1	1.8	.5	.5	.8	1.6	3.0	6.6	8.0
Male	24.9	37.7	1.7	.6	.6	.8	1.8	3.7	8.4	13.0
Female	17.5	30.6	1.9	.5	.4	.8	1.4	2.2	5.5	6.5
Black	23.8	37.8	2.0	.5	.5	.9	1.8	3.7	8.5	11.5
Male	28.3	41.0	2.0	.6	.6	.9	2.2	4.8	10.9	17.1
Female	18.8	34.5	2.0	.4	.3	.9	1.5	2.8	6.3	6.8
Pneumonia (480-485)	30.8	16.5	1.2	.3	.4	.5	.9	1.3	2.5	3.4
Male	30.2	19.1	1.1	.4	.4	.5	.9	1.6	3.1	4.5
Female	31.4	13.6	1.3	.3	.3	.4	.8	1.1	1.9	2.2
White	32.6	12.9	1.1	.3	.3	.4	.7	1.0	1.7	2.4
Male	31.2	14.8	1.0	.4	.4	.5	.9	1.2	2.2	3.2
Female	34.0	9.7	1.2	.2	.3	.4	.7	.8	1.3	1.6
All other	20.9	33.7	1.7	.5	.5	.8	1.6	2.9	6.5	8.9
Male	24.7	37.4	1.5	.5	.5	.8	1.8	3.6	8.3	13.0
Female	17.3	30.1	1.9	.5	.4	.8	1.4	2.2	4.9	5.4
Black	23.6	37.4	1.9	.5	.5	.9	1.8	3.6	8.4	11.4
Male	28.1	41.0	1.8	.6	.6	.9	2.2	4.5	10.8	17.1
Female	19.5	33.8	2.0	.4	.3	.9	1.5	2.8	6.2	6.6
Influenza (487)	.8	.2	.1	.0	.0	.0	.0	.0	.0	.1
Male	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0
Female	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.1
White	.9	.1	.1	.0	.0	.0	.0	.0	.0	.1
Male	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0
Female	1.2	.1	.0	.0	.0	.0	.0	.0	.0	.1
All other	.2	.4	.1	.0	.0	.0	.0	.0	.1	.1
Male	.2	.3	.2	.0	.0	.0	.0	.0	.1	.1
Female	.2	.5	.0	.0	.0	.0	.0	.0	.1	.0
Black	.2	.9	.1	.0	.0	.0	.0	.0	.1	.1
Male	.2	.0	.3	.0	.0	.0	.0	.0	.1	.1
Female	.3	.7	.0	.0	.0	.0	.0	.0	.1	.2
Chronic obstructive pulmonary diseases and allied conditions (490-496)	33.7	1.4	.3	.2	.4	.4	.5	.6	.7	1.2
Male	40.9	1.7	.3	.3	.5	.5	.6	.8	.8	1.3
Female	28.9	1.2	.3	.1	.4	.4	.6	.6	.7	1.2
White	37.0	1.1	.2	.1	.3	.3	.4	.5	.5	.8
Male	44.2	1.4	.3	.2	.3	.3	.4	.4	.5	.9
Female	30.0	.8	.1	.0	.2	.3	.4	.5	.5	.8
All other	18.1	2.7	.6	.5	1.0	.9	1.4	1.4	2.1	3.5
Male	22.4	2.7	.4	.6	1.1	1.2	1.8	1.8	2.6	4.0
Female	10.3	2.7	.8	.3	1.0	.6	1.0	1.1	1.7	3.0
Black	18.1	3.0	.7	.5	1.2	1.0	1.5	1.6	2.6	4.4
Male	25.4	3.0	.5	.6	1.1	1.4	1.8	2.0	3.2	5.2
Female	11.5	3.1	.9	.3	1.2	.7	1.1	1.2	2.1	3.6
Bronchitis, chronic and unspecified (490-491)	1.5	1.1	.1	.0	.0	.0	.0	.0	.1	.1
Male	1.7	1.3	.1	.0	.0	.0	.0	.0	.1	.1
Female	1.4	.9	.1	.0	.0	.0	.0	.0	.1	.1
White	1.7	.9	.1	.0	.0	.0	.0	.0	.1	.1
Male	1.8	1.2	.1	.0	.0	.0	.0	.0	.1	.1
Female	1.5	.7	.1	.0	.0	.0	.0	.0	.1	.1
All other	.8	1.9	.2	.0	.0	.0	.0	.1	.1	.2
Male	.8	1.9	.1	.0	.1	.0	.1	.1	.2	.1
Female	.4	1.9	.3	.0	.0	.0	.0	.0	.1	.3
Black	.6	2.4	.2	.0	.0	.0	.0	.1	.1	.3
Male	.8	2.3	.2	.0	.1	.0	.1	.1	.2	.2
Female	.5	2.4	.3	.0	.0	.1	.0	.1	.1	.3

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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix.]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years and over
<b>Major cardiovascular diseases-Con.</b>										
Other diseases of arteries, arterioles, and capillaries (441-446)	1.2	1.9	4.1	7.9	16.6	30.1	49.4	71.9	99.5	150.9
Male	1.7	2.3	5.4	11.6	25.7	46.1	76.7	112.8	155.5	216.0
Female	.8	1.5	2.9	4.6	6.7	16.7	28.8	44.3	69.6	125.6
White	1.0	1.7	3.7	7.7	16.4	30.9	50.8	73.7	103.9	154.7
Male	1.3	2.1	4.9	11.6	25.8	47.9	79.6	118.4	160.2	229.0
Female	.7	1.2	2.6	4.2	6.1	16.4	28.0	44.7	69.3	126.4
All other	2.9	3.9	6.3	9.3	18.4	24.5	36.8	49.2	85.1	113.4
Male	4.3	5.9	8.5	11.5	25.4	30.9	50.1	62.1	107.1	104.7
Female	1.8	2.8	4.4	7.5	12.8	19.4	27.3	40.8	72.7	117.5
Black	3.8	3.9	7.0	10.6	20.0	26.6	40.0	52.0	93.0	115.7
Male	5.6	5.2	9.4	13.0	25.6	33.2	53.5	65.6	105.6	97.1
Female	2.2	2.8	5.1	8.6	14.6	21.5	30.5	45.1	81.4	124.7
Acute bronchitis and bronchiolitis (466)	.0	.1	.1	.1	.3	.4	.8	1.0	2.5	6.5
Male	.1	.1	.1	.1	.2	.4	1.1	1.2	2.8	6.4
Female	.0	.1	.1	.1	.3	.3	.6	.6	2.4	6.6
White	.0	.1	.1	.1	.3	.4	.9	1.0	2.6	6.8
Male	.1	.1	.1	.1	.2	.4	1.2	1.3	2.8	6.9
Female	.0	.1	.1	.1	.2	.4	.8	.8	2.5	6.7
All other	.0	.1	.2	.1	.1	.3	.4	.5	1.6	4.5
Male	.1	.1	.2	.2	.2	.2	.3	.4	2.7	2.3
Female	.1	.1	.1	.1	.1	.3	.4	.6	1.0	5.5
Black	.1	.1	.3	.2	.1	.3	.3	.6	2.0	4.4
Male	.1	.1	.4	.2	.2	.3	.4	.5	3.4	2.9
Female	.1	.1	.2	.2	.2	.4	.3	.7	1.2	5.1
Pneumonia and influenza (480-487)	4.9	6.2	8.7	13.9	23.9	42.4	81.9	175.3	390.6	1,124.5
Male	5.8	8.6	11.6	18.0	32.4	58.9	114.0	249.1	542.5	1,428.2
Female	2.8	3.9	5.9	10.1	16.4	28.7	57.7	127.4	309.2	1,005.9
White	3.2	4.4	7.2	11.9	21.8	40.3	79.8	175.1	396.3	1,168.7
Male	4.3	5.8	9.1	14.9	29.1	55.7	110.9	247.5	560.3	1,490.9
Female	2.2	3.1	5.3	9.1	15.3	27.4	56.2	128.1	314.5	1,048.0
All other	11.1	17.8	18.0	27.2	40.0	59.6	100.6	178.9	328.9	683.6
Male	16.9	27.8	28.5	39.8	58.7	85.8	142.4	262.5	482.8	889.5
Female	6.7	9.0	9.8	16.8	24.8	39.1	70.6	120.7	252.0	596.9
Black	14.2	21.7	21.2	32.0	44.6	66.5	108.4	190.3	351.6	680.3
Male	21.2	35.3	34.7	48.4	65.6	96.9	153.5	286.3	496.6	881.4
Female	8.9	10.5	10.3	20.1	27.4	42.9	76.8	130.4	271.4	595.6
Pneumonia (480-486)	4.3	6.1	8.5	13.6	23.6	41.6	80.5	171.5	381.1	1,089.2
Male	5.8	8.4	11.4	17.7	32.1	57.9	112.4	245.0	532.0	1,394.9
Female	2.8	3.8	5.7	9.9	16.1	28.0	56.5	123.8	300.3	970.0
White	3.2	4.3	7.0	11.7	21.4	39.4	78.4	171.0	386.3	1,130.8
Male	4.3	5.6	9.0	14.7	28.8	54.6	108.2	243.1	539.4	1,454.3
Female	2.1	3.0	5.1	8.9	14.0	26.6	55.0	124.3	304.9	1,007.5
All other	11.0	17.5	17.9	26.9	39.9	59.1	98.4	175.9	325.3	675.5
Male	16.2	27.6	28.2	39.7	58.7	85.4	141.5	261.2	458.6	884.8
Female	6.7	9.0	9.3	16.4	24.7	38.6	68.1	119.8	250.5	577.0
Black	14.1	21.5	21.0	31.7	44.5	66.1	106.9	189.1	348.0	672.1
Male	21.1	35.0	34.3	48.4	65.6	96.4	152.4	284.7	489.9	878.6
Female	8.9	10.5	10.3	18.6	27.2	42.7	74.9	129.4	269.6	584.8
Influenza (487)	.0	.1	.2	.2	.3	.8	1.4	3.8	9.5	35.2
Male	.0	.1	.2	.2	.3	.9	1.5	4.1	10.5	33.9
Female	.0	.1	.2	.2	.3	.7	1.3	3.6	8.9	36.0
White	.0	.1	.2	.2	.3	.9	1.4	4.1	10.0	38.0
Male	.0	.1	.2	.2	.3	1.0	1.7	4.4	10.9	36.7
Female	.0	.1	.2	.2	.3	.7	1.2	3.8	9.5	38.5
All other	.0	.1	.1	.3	.1	.5	1.2	1.0	3.6	8.2
Male	.1	.2	.3	.2	.4	.9	1.3	6.2	4.7	9.8
Female	.1	.1	.1	.4	.1	.5	1.5	.8	2.1	9.8
Black	.1	.1	.2	.4	.1	.5	1.5	1.3	3.6	8.3
Male	.1	.3	.4	.1	.3	.5	1.1	1.6	6.7	2.9
Female	.1	.1	.1	.5	.2	.2	1.8	1.0	1.9	10.8
Chronic obstructive pulmonary diseases and allied conditions (490-496)	2.4	5.6	13.7	32.1	65.5	115.3	199.2	291.5	364.4	394.3
Male	2.6	5.9	15.3	37.5	82.8	152.5	277.3	434.7	633.8	776.8
Female	2.3	5.3	12.2	27.2	50.4	94.2	138.5	182.2	220.2	245.5
White	1.9	5.0	13.1	32.4	66.9	119.5	206.0	294.7	378.0	413.0
Male	2.0	5.3	14.3	37.2	83.5	155.7	263.6	449.1	620.0	820.0
Female	1.9	4.8	12.0	28.0	52.3	89.1	147.2	194.7	231.5	253.0
All other	5.7	9.6	17.2	30.2	54.0	91.3	128.5	161.4	218.8	297.4
Male	6.8	10.7	22.0	39.7	78.9	126.0	220.0	302.6	434.5	405.8
Female	4.7	8.5	19.2	22.5	37.2	46.2	62.7	88.6	94.3	114.2
Black	7.1	11.8	20.5	35.1	62.2	91.3	139.6	189.5	230.4	189.1
Male	6.8	13.1	27.2	44.0	67.4	143.2	244.6	324.6	473.0	410.0
Female	5.7	10.8	16.1	27.0	41.5	51.1	65.8	72.7	96.3	107.0
Bronchitis, chronic and unspecified (480-481)	.1	.3	.5	1.3	2.5	4.3	7.6	11.9	15.1	27.1
Male	.2	.3	.6	1.4	2.7	5.5	10.4	18.0	24.2	40.2
Female	.1	.3	.4	1.3	2.4	3.2	5.6	7.9	10.3	22.0
White	.1	.3	.5	1.4	2.7	4.4	8.1	12.6	16.0	28.8
Male	.1	.3	.6	1.4	2.8	5.6	10.8	18.0	25.4	43.2
Female	.1	.3	.4	1.3	2.6	3.4	6.0	8.5	11.0	23.4
All other	.3	.2	.3	1.1	1.7	2.9	3.9	5.1	6.2	10.0
Male	.3	.4	.4	1.3	2.3	4.7	6.9	9.1	12.4	15.1
Female	.3	.1	.2	.9	1.3	1.5	1.7	2.5	2.6	7.7
Black	.3	.3	.3	1.3	2.0	3.0	4.1	4.8	6.0	9.2
Male	.4	.5	.4	1.6	2.6	4.9	7.4	8.2	14.6	14.3
Female	.2	.1	.2	1.2	1.4	1.6	1.8	2.7	1.2	7.0

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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total †	Under 1 year ‡	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Chronic obstructive pulmonary diseases and allied conditions—Con.</b>										
Emphysema (492)	6.3	0.1	—	—	—	—	0.0	0.0	0.0	0.1
Male	8.1	.1	—	—	—	—	.0	.0	.1	.2
Female	4.6	.1	—	—	—	—	—	.0	.0	.1
White	7.0	.0	—	—	—	—	.0	.0	.0	.1
Male	8.8	.1	—	—	—	—	.0	.0	.0	.1
Female	5.3	—	—	—	—	—	—	.0	.0	.1
All other	2.4	.3	—	—	—	—	—	.1	.2	.3
Male	4.0	.3	—	—	—	—	—	.1	.4	.8
Female	1.0	.3	—	—	—	—	—	.1	.1	.1
Black	2.7	.3	—	—	—	—	—	.0	.3	.4
Male	4.5	.3	—	—	—	—	—	—	.8	.7
Female	1.1	.3	—	—	—	—	—	.1	.1	.1
Asthma (493)	1.9	.2	0.1	0.1	0.4	0.4	.5	.5	.5	.8
Male	1.5	.2	.2	.4	.5	.5	.5	.5	.8	.8
Female	2.2	.2	.1	.1	.4	.3	.4	.5	.5	.8
White	1.7	.1	.1	.1	.3	.3	.3	.4	.3	.5
Male	1.3	.1	.1	.1	.3	.3	.3	.3	.3	.5
Female	2.1	.1	.0	.0	.2	.3	.3	.4	.4	.5
All other	2.9	.4	.3	.4	1.0	.9	1.3	1.2	1.6	2.4
Male	2.9	.5	.3	.6	1.0	1.2	1.7	1.6	1.9	2.5
Female	3.0	.3	.4	.3	1.0	.5	.9	.8	1.4	2.3
Black	3.4	.2	.4	.4	1.1	1.0	1.4	1.4	2.1	3.1
Male	3.2	.3	.4	.8	1.1	1.4	1.8	1.9	2.3	3.3
Female	3.5	—	.5	.3	1.2	.5	1.1	.9	1.8	2.9
Other chronic obstructive pulmonary diseases and allied conditions (494-496)	24.0	.1	.0	.0	.0	.0	.0	.0	.1	.2
Male	29.6	.1	.0	.0	.0	—	.0	.0	.1	.3
Female	18.7	.1	.1	.0	.0	.0	.1	.0	.1	.2
White	26.6	.0	.0	.0	.0	.0	.0	.0	.1	.2
Male	32.3	.1	.0	.0	.0	—	.0	.0	.1	.2
Female	21.1	—	.0	.0	.0	.0	.0	.0	.1	.1
All other	10.2	.1	.1	.0	—	.0	.1	.1	.1	.6
Male	14.8	—	—	.1	—	—	—	.1	.1	.7
Female	5.9	.3	.1	—	—	.1	.1	.1	.2	.4
Black	11.4	.2	.1	.0	—	.0	.0	.1	.1	.7
Male	16.9	—	—	.1	—	—	—	.1	.2	1.0
Female	6.6	.3	.2	—	—	.1	.1	.1	.1	.5
Ulcer of stomach and duodenum (531-533)	2.6	.4	.0	.0	.0	.0	.1	.1	.1	.3
Male	2.7	.4	.0	.0	.0	.1	.1	.1	.2	.5
Female	2.6	.4	.0	—	.0	.0	.0	.0	.1	.2
White	2.8	.3	.0	.0	.0	.0	.0	.1	.1	.3
Male	2.8	.3	.0	.0	.0	.1	.0	.1	.1	.3
Female	2.8	.3	.0	—	.0	.0	.0	.0	.1	.2
All other	1.7	.9	.0	—	—	.0	.2	.1	.4	.8
Male	2.0	.8	.1	—	—	—	.2	.3	.9	1.6
Female	1.4	1.1	—	—	—	.1	.1	—	.1	.1
Black	1.9	1.2	.0	—	—	.0	.2	.2	.6	1.0
Male	2.3	1.0	.1	—	—	—	.3	.4	1.1	2.0
Female	1.5	1.4	—	—	—	.1	.1	—	.1	.2
Appendicitis (540-543)	.2	.1	.0	.0	.1	.0	.0	.0	.0	.1
Male	.2	.2	.0	.0	.1	.0	.0	.0	.0	.1
Female	.2	—	.1	.0	.0	.0	.0	.0	.0	.0
White	.2	.1	.0	.0	.1	.0	.0	.0	.0	.1
Male	.2	.2	.0	.0	.1	.0	.0	.0	.0	.1
Female	.2	—	.1	—	.0	—	.0	.0	.0	.0
All other	.3	—	.1	.1	.1	.1	—	—	.1	.1
Male	.3	—	.1	.1	.1	.1	—	—	.1	.1
Female	.2	—	.1	.2	.1	.1	—	.1	—	—
Black	.3	—	.1	.2	.0	.1	—	.0	.0	.1
Male	.4	—	.1	.1	.1	.1	—	—	.1	.2
Female	.3	—	.1	.2	—	.1	—	.1	—	—
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	2.3	2.0	.2	.1	.0	.0	.1	.1	.1	.2
Male	1.7	1.8	.2	.1	.0	.0	.1	.0	.1	.2
Female	2.6	2.2	.1	.0	.0	.0	.1	.1	.1	.1
White	2.3	1.6	.1	.0	.0	.0	.1	.0	.1	.1
Male	1.7	1.4	.1	.1	.0	.0	.1	.0	.1	.2
Female	3.0	1.7	.1	.0	.0	.0	.1	.0	.1	.1
All other	1.9	3.8	.3	.1	.1	.1	.1	.2	.1	.3
Male	1.8	3.4	.4	.2	.1	.1	.2	.2	.1	.4
Female	2.0	4.1	.1	.1	.1	.1	.1	.2	.2	.3
Black	2.3	4.6	.4	.1	.1	.1	.1	.2	.1	.4
Male	2.2	4.3	.5	.2	.1	.1	.2	.2	.1	.5
Female	2.4	4.8	.2	.1	.2	.1	.1	.3	.2	.3
Chronic liver disease and cirrhosis (571)	10.7	.5	.0	.0	.0	.1	.2	1.2	3.7	8.1
Male	14.4	.6	.0	—	.0	.1	.2	1.9	5.2	12.0
Female	7.3	.5	.0	.0	—	.1	.2	1.1	2.1	4.4
White	10.6	.5	.0	.0	.0	.1	.1	.9	2.9	6.5
Male	14.2	.4	.0	—	.0	.1	.2	1.1	4.2	9.8
Female	7.1	.5	.0	.0	—	.1	.1	.7	1.6	3.1
All other	11.7	.8	.1	—	—	.1	.4	2.5	7.7	17.6
Male	15.3	1.3	.1	—	—	.2	.4	2.3	10.6	25.2
Female	8.3	.3	.1	—	—	.1	.4	2.7	5.0	11.0
Black	12.9	1.0	.1	—	—	.1	.4	2.5	8.9	20.7
Male	17.3	1.7	.2	—	—	.1	.5	2.5	12.7	30.4
Female	9.0	.3	—	—	—	.1	.4	2.5	5.4	12.5

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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years and over
<b>Chronic obstructive pulmonary diseases and allied conditions-Con.</b>										
Emphysema (492)	0.3	0.9	2.5	6.7	14.3	24.5	41.6	53.6	60.9	54.7
Male	.4	1.1	2.8	8.2	18.8	33.0	58.9	87.8	116.4	121.5
Female	.2	.8	2.2	5.4	10.3	17.5	28.5	31.4	31.2	28.8
White	.3	1.0	2.8	7.0	15.0	25.9	43.7	56.6	63.2	57.9
Male	.3	1.1	2.8	8.2	19.5	34.1	60.4	91.0	118.8	128.8
Female	.2	.9	2.4	5.8	11.0	19.1	31.0	34.3	33.1	30.9
All other	.5	.7	2.0	5.2	8.9	13.3	23.0	26.5	36.7	23.4
Male	1.1	1.1	2.9	8.2	13.3	24.1	45.4	58.6	82.3	58.1
Female	.1	.3	1.3	2.7	5.2	4.8	6.9	5.4	10.3	7.1
Black	.7	.9	2.4	5.9	9.5	14.9	25.3	27.9	40.4	21.4
Male	1.5	1.5	3.6	8.9	14.3	27.4	51.3	63.9	85.5	51.4
Female	.1	.4	1.5	3.5	5.5	5.2	7.0	5.5	9.9	8.2
Asthma (483)	1.2	1.5	2.2	3.0	4.1	5.0	7.6	9.3	12.2	14.6
Male	.9	1.2	1.7	2.4	3.6	4.6	7.1	9.0	11.4	13.7
Female	1.4	1.8	2.8	3.6	4.6	5.4	7.9	9.4	12.7	14.9
White	.8	1.0	1.6	2.5	3.4	4.4	7.0	8.9	12.3	15.0
Male	.6	.9	1.1	1.7	2.9	4.0	6.4	8.3	11.1	14.2
Female	1.0	1.2	2.1	3.2	3.8	4.7	7.4	9.3	12.9	15.3
All other	3.5	4.6	5.5	7.1	10.1	10.1	12.7	12.6	11.7	10.4
Male	3.1	3.4	5.8	7.6	9.5	9.3	13.1	15.9	14.2	9.3
Female	3.9	5.6	5.4	6.6	10.6	10.8	12.4	10.5	10.3	10.9
Black	4.3	5.4	6.4	8.3	11.5	11.9	13.3	12.8	11.6	11.4
Male	3.8	3.9	6.8	8.7	10.4	10.7	13.4	15.8	11.2	19.0
Female	4.7	6.7	6.2	7.9	12.5	11.7	13.3	10.9	11.8	12.0
Other chronic obstructive pulmonary diseases and allied conditions (494-496)	.8	2.9	8.5	21.0	44.5	81.5	141.4	208.8	276.1	297.9
Male	1.1	3.4	10.1	25.5	57.7	109.4	200.9	319.9	481.9	601.5
Female	.6	2.5	7.0	16.9	33.1	58.2	96.5	133.4	166.0	178.8
White	.7	2.7	8.4	21.6	45.9	84.8	147.3	216.6	286.5	311.3
Male	.9	3.0	9.7	25.9	58.4	112.0	206.0	330.9	497.1	633.8
Female	.6	2.4	7.1	17.7	34.9	61.9	102.8	142.6	174.6	188.5
All other	1.3	4.1	9.4	16.9	34.2	54.9	88.9	117.1	164.3	163.6
Male	2.3	5.8	13.1	22.6	51.8	87.8	154.6	219.0	325.7	323.3
Female	.5	2.6	6.3	12.2	20.0	29.1	41.6	50.1	71.1	86.5
Black	1.6	5.2	11.5	18.6	39.3	62.1	96.8	123.9	172.4	157.2
Male	3.1	7.2	16.7	26.6	60.2	100.3	172.5	236.6	351.7	394.3
Female	.7	3.8	7.3	14.5	22.1	32.6	43.6	53.6	73.3	79.7
Ulcer of stomach and duodenum (531-533)	.5	.7	1.5	2.4	3.6	6.3	9.9	17.5	30.6	58.7
Male	.7	.9	2.0	3.3	4.8	8.3	13.6	22.2	36.2	71.6
Female	.3	.6	1.0	1.7	2.5	4.7	7.1	14.4	26.6	53.7
White	.4	.6	1.4	2.3	3.3	6.2	10.0	17.7	31.7	61.1
Male	.5	.8	1.9	3.1	4.5	8.1	13.7	22.5	39.3	75.5
Female	.3	.5	.9	1.7	2.1	4.7	7.2	14.6	27.7	55.7
All other	1.0	1.2	2.1	3.1	6.0	7.2	9.1	16.2	19.2	34.8
Male	1.4	1.8	2.9	4.9	7.4	10.5	13.1	19.8	28.5	38.4
Female	.7	.7	1.4	1.6	5.0	4.5	6.2	12.2	14.9	32.8
Black	1.3	1.3	2.4	3.4	6.8	7.6	9.4	15.5	19.6	32.8
Male	1.8	2.3	3.4	5.3	8.2	11.6	14.5	19.7	24.7	34.3
Female	.9	.5	1.7	1.8	5.7	4.4	5.7	13.0	16.8	32.3
Appendicitis (540-543)	.1	.1	.1	.3	.4	.5	.7	1.0	1.8	2.8
Male	.1	.1	.2	.3	.5	.5	.9	1.1	2.5	3.5
Female	.0	.0	.1	.2	.3	.5	.5	.9	1.4	2.5
White	.1	.0	.1	.2	.3	.4	.6	.9	1.7	2.7
Male	.0	.1	.1	.2	.4	.5	.8	1.0	2.2	3.2
Female	.1	.1	.1	.2	.2	.4	.5	.8	1.4	2.5
All other	.2	.3	.5	.7	.9	1.1	1.1	1.7	3.2	3.3
Male	.4	.4	1.0	.9	1.1	.8	1.8	1.7	6.2	5.8
Female	.2	.2	.1	.5	.9	1.3	.9	1.7	1.5	2.2
Black	.2	.3	.7	.9	1.1	1.2	1.2	1.9	4.0	3.9
Male	.5	.3	1.3	1.2	1.1	.8	2.2	2.2	7.9	7.1
Female	.1	.3	.2	.7	1.1	1.6	.5	1.7	1.9	2.5
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	.3	.6	.7	1.2	2.2	3.4	7.1	13.5	29.2	70.1
Male	.3	.7	.7	1.4	2.4	3.5	7.5	13.8	29.9	61.5
Female	.2	.4	.8	1.0	2.0	3.3	6.8	13.2	28.8	79.4
White	.2	.5	.6	1.0	2.0	3.1	6.7	12.9	28.9	71.0
Male	.3	.6	.5	1.2	2.2	3.0	6.9	13.0	29.2	61.2
Female	.2	.3	.6	.9	1.7	3.1	6.6	12.9	28.7	74.8
All other	.6	1.2	1.9	2.2	3.9	6.1	10.2	18.3	31.8	60.6
Male	.6	1.7	1.9	3.0	3.5	7.6	12.5	21.6	36.3	64.0
Female	.6	.8	1.9	1.6	4.3	4.8	8.6	16.1	29.4	59.0
Black	.8	1.6	2.3	2.8	4.6	7.2	11.7	20.8	37.2	67.2
Male	.8	2.3	2.4	3.7	4.1	8.0	14.5	24.6	42.7	68.6
Female	.8	1.1	2.3	2.0	5.0	5.8	9.7	18.4	34.2	67.1
Chronic liver disease and cirrhosis (571)	12.4	17.0	23.1	28.7	35.2	34.8	35.3	33.5	30.5	20.0
Male	18.4	25.2	33.7	41.8	49.6	49.7	46.8	44.2	43.0	33.9
Female	6.6	9.1	13.1	16.8	22.7	23.2	25.1	26.6	23.8	14.6
White	10.4	14.7	20.9	27.5	34.5	35.0	35.8	34.2	31.0	20.8
Male	15.7	22.1	30.8	39.9	48.1	49.2	46.8	43.3	44.5	36.1
Female	5.1	7.6	11.5	16.0	21.6	23.0	25.2	27.0	23.8	15.0
All other	25.4	31.3	36.5	36.7	40.8	33.3	30.8	27.2	26.0	11.9
Male	37.2	46.2	53.2	55.1	53.8	44.3	40.0	34.5	28.3	14.0
Female	15.4	18.7	22.6	21.5	30.2	24.7	24.2	22.4	24.7	10.9
Black	31.1	35.3	40.5	39.3	44.7	36.3	31.1	28.6	24.4	12.2
Male	45.7	53.1	61.4	59.4	59.5	47.6	41.6	37.7	24.7	14.3
Female	19.0	20.8	23.8	22.6	32.6	27.6	23.8	22.0	24.2	11.4







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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
Complications of pregnancy, childbirth, and the puerperium (630-676)	0.1	...	...	...	...	0.2	0.4	0.3	0.3	0.3
Male	...	...	...	...	...	...	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...
White	...	...	...	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...
All other	...	...	...	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...
Black	...	...	...	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...
Pregnancy with abortive outcome (630-698)	0	...	...	...	...	0	1	1	1	0
Male	...	...	...	...	...	...	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...
White	...	...	...	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...
All other	...	...	...	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...
Black	...	...	...	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...
Other complications of pregnancy, childbirth, and the puerperium (640-676)	1	...	...	...	...	1	3	3	3	2
Male	...	...	...	...	...	...	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...
White	...	...	...	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...
All other	...	...	...	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...
Black	...	...	...	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...
Congenital anomalies (740-759)	5.2	211.0	6.3	1.6	1.3	1.3	1.2	1.1	1.0	1.1
Male	5.7	221.9	6.8	1.7	1.5	1.5	1.4	1.2	1.1	1.4
Female	4.7	199.5	5.6	1.4	1.1	1.1	1.1	1.1	0.9	0.8
White	5.0	206.7	6.2	1.5	1.3	1.3	1.3	1.1	1.0	1.1
Male	5.4	217.3	6.9	1.6	1.6	1.3	1.4	1.2	1.1	1.3
Female	4.6	195.6	5.4	1.4	1.1	1.2	1.2	1.0	0.8	0.8
All other	6.3	229.4	6.6	1.9	1.2	1.4	0.9	1.1	1.2	1.6
Male	7.0	241.4	6.5	2.4	1.1	2.0	1.3	0.9	1.3	2.0
Female	5.7	215.6	6.6	1.4	1.2	0.8	0.8	1.3	1.2	1.3
Black	6.7	237.6	6.7	1.9	1.3	1.5	1.0	1.3	1.4	2.0
Male	7.5	249.0	7.0	2.5	1.3	2.3	1.3	1.1	1.4	2.5
Female	6.0	226.3	6.4	1.4	1.3	0.8	0.6	1.6	1.4	1.6
Certain conditions originating in the perinatal period (760-779)	7.4	467.4	9	1	0	0	0	0	0	0
Male	8.7	520.2	1.1	1	0	0	0	0	0	0
Female	6.2	411.9	7	0	0	0	0	0	0	0
White	5.4	354.9	7	0	0	0	0	0	0	0
Male	6.4	400.7	8	2	0	1	0	0	0	0
Female	4.4	306.7	7	0	0	0	0	0	0	0
All other	16.3	937.6	1.5	1	0	0	0	0	0	0
Male	21.3	1,027.3	2.2	1	1	0	0	0	0	0
Female	15.5	847.6	0.8	1	0	0	0	0	0	0
Black	21.9	1,107.3	1.8	1	0	0	0	0	0	0
Male	25.6	1,220.0	2.6	1	1	0	0	0	0	0
Female	16.4	891.6	0.9	1	0	0	0	0	0	0
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769)	1.7	108.2	2	0	0	0	0	0	0	0
Male	2.1	125.4	2	1	0	0	0	0	0	0
Female	1.4	90.1	2	0	0	0	0	0	0	0
White	1.4	90.8	2	0	0	0	0	0	0	0
Male	1.7	107.8	1	1	0	0	0	0	0	0
Female	1.1	72.4	2	0	0	0	0	0	0	0
All other	3.5	161.6	3	0	0	0	0	0	0	0
Male	4.1	200.0	4	0	0	0	0	0	0	0
Female	3.0	163.1	1	0	0	0	0	0	0	0
Black	4.2	210.5	3	0	0	0	0	0	0	0
Male	4.8	232.3	4	0	0	0	0	0	0	0
Female	3.5	188.1	1	0	0	0	0	0	0	0
Other conditions originating in the perinatal period (780-788,770-779)	5.7	359.2	7	1	0	0	0	0	0	0
Male	6.6	394.8	9	1	0	0	0	0	0	0
Female	4.8	321.8	5	0	0	0	0	0	0	0
White	4.0	264.3	8	1	0	0	0	0	0	0
Male	4.7	292.9	7	1	0	0	0	0	0	0
Female	3.4	234.3	4	0	0	0	0	0	0	0
All other	14.7	756.0	1.2	1	0	0	0	0	0	0
Male	17.2	827.3	1.7	1	1	0	0	0	0	0
Female	12.5	684.7	0.7	1	0	0	0	0	0	0
Black	17.7	896.8	1.5	1	0	0	0	0	0	0
Male	20.9	967.7	2.1	1	1	0	0	0	0	0
Female	14.9	803.8	0.8	1	0	0	0	0	0	0

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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years and over
Complications of pregnancy, childbirth, and the puerperium (630-676)	0.1	0.0	0.0	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	.2	.0	.0	...	...	...	...	...	...	...
White	.1	—	—	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	.1	—	—	...	...	...	...	...	...	...
All other	.3	.1	.1	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	.5	.1	.1	...	...	...	...	...	...	...
Black	.2	.1	.1	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	.4	.1	.2	...	...	...	...	...	...	...
Pregnancy with abortive outcome (630-638)	.0	—	—	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	.0	—	—	...	...	...	...	...	...	...
White	.0	—	—	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	.0	—	—	...	...	...	...	...	...	...
All other	.1	—	—	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	.3	—	—	...	...	...	...	...	...	...
Black	.2	—	—	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	.3	—	—	...	...	...	...	...	...	...
Other complications of pregnancy, childbirth, and the puerperium (640-676)	.1	.0	.0	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	.1	.0	.0	...	...	...	...	...	...	...
White	.1	—	—	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	.1	—	—	...	...	...	...	...	...	...
All other	.1	.1	.1	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	.3	.1	.1	...	...	...	...	...	...	...
Black	.1	.1	.1	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...
Female	.1	.1	.2	...	...	...	...	...	...	...
Congenital anomalies (740-759)	1.2	1.2	1.8	1.7	2.3	2.4	3.1	3.9	5.3	5.6
Male	1.3	1.3	1.7	1.9	2.2	2.5	2.9	4.8	5.8	7.0
Female	1.1	1.1	1.5	1.5	2.4	2.3	3.3	3.3	5.1	5.0
White	1.1	1.2	1.8	1.7	2.3	2.5	3.2	4.1	5.3	5.7
Male	1.2	1.4	1.8	1.8	2.1	2.5	3.1	5.1	5.8	7.0
Female	1.1	1.1	1.4	1.6	2.4	2.4	3.2	3.4	5.0	5.2
All other	1.4	1.3	1.4	1.4	2.6	2.2	2.9	1.7	5.5	4.8
Male	1.7	1.1	1.2	2.2	2.8	2.5	1.8	1.7	5.3	7.0
Female	1.2	1.4	1.7	.8	2.4	1.9	3.8	1.7	5.7	3.8
Black	1.7	1.3	1.5	1.6	3.0	2.1	3.2	1.5	5.2	4.8
Male	2.0	1.1	1.1	2.8	3.2	2.8	1.5	.5	6.7	7.1
Female	1.5	1.5	1.8	.7	2.8	1.6	4.4	2.0	4.3	3.8
Certain conditions originating in the perinatal period (760-778)	—	.0	.0	—	—	—	—	.0	—	.0
Male	—	.0	—	—	—	—	—	.0	—	.1
Female	—	.0	.0	—	—	—	—	—	—	—
White	—	.0	—	—	—	—	—	.0	—	.0
Male	—	.0	—	—	—	—	—	.0	—	.1
Female	—	.0	—	—	—	—	—	—	—	—
All other	—	—	.1	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	.1	—	—	—	—	—	—	—
Black	—	—	.1	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	.2	—	—	—	—	—	—	—
Birth trauma, Intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769)	—	.0	—	—	—	—	—	—	—	—
Male	—	.0	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—
White	—	.0	—	—	—	—	—	—	—	—
Male	—	.0	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—
All other	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—
Black	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—
Other conditions originating in the perinatal period (760-766,770-779)	—	.0	.0	—	—	—	—	.0	—	.0
Male	—	—	—	—	—	—	—	.0	—	.1
Female	—	.0	.0	—	—	—	—	—	—	—
White	—	.0	—	—	—	—	—	.0	—	.0
Male	—	—	—	—	—	—	—	.0	—	.1
Female	—	.0	—	—	—	—	—	—	—	—
All other	—	—	.1	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	.1	—	—	—	—	—	—	—
Black	—	—	.1	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—
Female	—	—	.2	—	—	—	—	—	—	—

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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total 1	Under 1 year 2	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
Symptoms, signs, and ill-defined conditions (780-799)	12.6	168.1	2.0	0.5	0.5	1.6	2.9	4.3	5.4	6.5
Male	14.2	195.4	2.3	.5	.6	2.1	4.0	5.9	7.9	9.1
Female	11.1	139.4	1.8	.4	.4	1.1	1.9	2.7	2.9	4.0
White	11.6	139.3	1.8	.3	.4	1.4	2.5	3.6	4.2	4.7
Male	12.8	167.6	2.0	.3	.5	1.9	3.6	5.0	6.3	6.7
Female	10.5	109.6	1.5	.4	.3	.9	1.5	2.2	2.1	2.7
All other	17.9	289.2	3.2	1.0	.9	2.3	4.7	7.9	11.6	16.5
Male	21.9	319.3	3.5	1.3	1.1	2.7	5.7	10.8	16.8	23.5
Female	14.3	263.1	2.9	.7	.5	2.0	3.8	5.1	6.8	10.5
Black	21.0	323.4	3.6	1.1	.8	2.5	5.4	9.1	13.6	21.0
Male	25.8	350.0	4.2	1.6	1.2	3.0	6.4	12.7	19.7	30.3
Female	16.8	296.2	3.0	.7	.5	2.0	4.4	5.9	8.1	13.1
All other diseases (Residual)	68.3	43.0	6.0	2.7	2.7	4.1	5.8	7.7	11.7	17.6
Male	85.6	47.3	6.5	2.8	2.8	5.1	6.8	8.9	14.9	23.7
Female	70.9	38.5	5.5	2.6	2.6	3.2	4.4	6.5	8.4	11.7
White	69.5	35.7	5.6	2.6	2.5	3.9	4.9	6.4	9.1	12.9
Male	65.2	39.5	6.1	2.5	2.7	5.0	6.2	7.8	11.7	17.4
Female	73.6	31.8	5.2	2.7	2.3	2.8	3.5	5.1	6.4	8.9
All other	62.1	73.5	7.5	3.2	3.4	5.0	9.1	14.4	25.3	44.4
Male	67.5	80.6	8.2	3.0	3.2	6.3	10.1	15.3	32.9	62.2
Female	57.1	66.4	6.7	3.5	3.7	4.7	8.2	13.6	18.4	29.1
Black	72.2	80.1	8.2	3.6	3.8	5.8	10.2	16.9	31.1	55.5
Male	78.6	88.7	9.4	3.3	3.7	6.0	11.6	17.9	41.7	78.5
Female	66.3	71.3	7.0	3.9	3.8	5.2	9.0	16.0	21.8	36.1
Accidents and adverse effects (E800-E849)	39.5	24.3	19.6	11.7	12.7	46.7	52.2	40.3	36.3	33.6
Male	55.0	26.8	23.1	14.5	17.0	67.1	82.9	63.3	56.6	52.8
Female	24.8	21.6	15.9	8.6	8.2	25.4	21.4	17.3	16.0	14.7
White	39.1	20.5	17.7	10.5	12.3	50.3	53.6	40.0	34.9	31.4
Male	53.7	22.5	20.9	13.2	16.6	71.8	84.8	62.4	54.5	49.0
Female	25.2	18.3	14.3	7.7	7.8	28.0	22.0	17.1	14.8	13.7
All other	41.7	40.1	27.5	16.3	14.2	31.0	45.6	42.1	43.6	45.9
Male	62.1	45.1	32.8	20.0	18.5	46.9	73.8	68.3	68.5	70.0
Female	23.0	35.0	22.3	12.4	9.6	14.6	18.5	18.0	21.1	20.1
Black	44.7	47.4	30.1	17.9	14.8	29.4	44.0	43.4	48.7	52.5
Male	67.1	53.3	35.6	22.3	19.8	45.9	72.5	70.3	77.7	88.4
Female	24.4	41.3	24.5	13.3	9.8	12.6	17.4	19.0	23.0	22.1
Motor vehicle accidents (E810-E825)	20.0	5.8	6.8	8.5	7.5	37.3	39.7	26.8	20.9	18.0
Male	28.6	8.0	7.3	8.0	9.4	51.3	61.6	41.1	31.2	27.0
Female	11.8	8.2	6.5	5.0	5.5	22.8	17.7	12.5	10.8	9.1
White	20.2	5.5	6.5	8.2	7.8	41.1	41.8	27.2	20.8	17.5
Male	28.7	8.8	6.9	7.7	8.8	58.3	64.1	41.3	30.9	25.9
Female	12.1	5.3	6.2	4.7	5.6	25.2	18.8	12.9	10.5	9.1
All other	18.5	5.8	8.3	7.7	6.5	21.1	31.1	25.1	21.6	20.7
Male	28.0	6.9	8.8	9.2	8.0	30.1	50.1	40.5	33.0	33.9
Female	9.8	4.6	7.8	6.2	4.9	11.8	18.0	10.8	11.3	8.8
Black	18.6	6.6	8.3	8.4	6.6	19.5	29.0	24.8	23.2	22.3
Male	28.9	7.7	9.2	10.3	9.5	28.9	47.7	40.1	38.5	37.7
Female	9.3	5.5	7.5	6.5	4.6	9.9	11.5	10.9	11.4	9.3
All other accidents and adverse effects (E800-E807, E826-E849)	19.5	18.7	12.7	5.1	5.2	9.4	12.4	13.5	15.3	15.8
Male	26.4	20.9	15.9	8.6	7.6	15.8	21.3	22.2	25.3	25.7
Female	13.1	16.4	9.4	3.6	2.7	2.9	3.6	4.8	5.3	5.6
White	18.9	15.0	11.1	4.3	4.6	9.3	12.0	12.8	14.1	13.9
Male	25.0	16.8	14.0	5.6	6.9	15.5	20.7	21.2	23.5	23.1
Female	13.0	13.1	8.1	3.0	2.2	2.8	3.2	4.3	4.4	4.7
All other	23.2	34.3	19.2	8.5	7.7	9.9	14.5	17.0	21.9	25.9
Male	34.1	38.2	23.8	10.8	10.6	16.7	23.8	27.8	35.4	42.1
Female	13.2	30.3	14.5	6.2	4.7	2.8	5.6	7.1	9.8	10.8
Black	28.0	40.8	21.8	9.4	8.2	9.9	15.0	18.6	25.5	30.2
Male	38.2	45.7	26.4	12.0	11.3	17.0	24.8	30.3	41.2	50.7
Female	15.1	35.8	17.0	6.8	5.1	2.6	5.9	8.1	11.8	12.8
Suicide (E950-E959)	12.4	...	...	.0	1.4	11.3	15.0	15.3	15.4	15.2
Male	20.1	...	...	.1	2.1	18.0	25.8	25.4	24.8	24.0
Female	5.0	...	...	.0	.8	4.4	4.1	5.3	6.2	6.5
White	13.4	...	...	.0	1.5	12.3	15.7	16.1	15.8	16.2
Male	21.7	...	...	.1	2.1	19.6	27.0	26.4	24.9	25.1
Female	5.5	...	...	.0	.8	4.6	4.4	5.5	6.6	7.1
All other	8.8	...	...	...	1.3	6.9	11.3	11.6	13.0	9.8
Male	11.4	...	...	...	1.8	11.0	20.0	18.9	22.8	17.3
Female	2.6	...	...	...	.7	2.6	3.0	4.0	4.1	3.4
Black	8.7	...	...	...	1.1	6.0	11.0	11.5	13.4	10.3
Male	11.5	...	...	...	1.3	9.7	19.8	20.1	24.2	19.0
Female	2.4	...	...	...	.9	2.2	2.9	3.7	3.9	3.0
Homicide and legal intervention (E960-E978)	9.0	8.2	2.6	1.0	1.7	11.7	19.0	17.5	14.5	11.9
Male	14.0	7.6	2.9	1.1	2.0	18.8	30.4	27.0	22.4	18.9
Female	4.2	8.7	2.3	.9	1.4	4.4	7.4	9.0	6.6	5.0
White	5.3	5.8	1.9	.7	1.0	5.6	9.8	9.5	8.3	7.0
Male	7.9	5.6	2.2	.8	1.3	8.1	14.8	14.1	12.4	10.6
Female	2.9	6.0	1.6	.7	.8	3.0	4.7	4.8	4.1	3.4
All other	28.5	18.1	5.6	2.0	4.3	37.7	61.7	58.5	47.4	39.2
Male	47.5	16.4	6.0	2.4	5.0	64.4	105.6	96.5	78.7	69.5
Female	11.2	19.9	5.3	1.7	3.5	10.2	19.7	23.6	19.2	13.2
Black	34.4	21.4	6.9	2.3	5.1	44.7	73.9	71.0	58.2	49.1
Male	58.0	19.3	7.5	2.7	5.7	77.4	128.2	118.8	98.2	86.6
Female	13.2	23.5	6.3	1.9	4.4	11.5	23.3	27.9	22.9	15.8

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Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years and over
Symptoms, signs, and ill-defined conditions (780-789)	5.9	6.0	7.6	8.5	14.1	18.4	27.8	43.0	73.3	176.3
Male	8.0	8.3	10.0	13.3	19.0	26.4	37.3	55.5	89.3	194.7
Female	3.9	3.8	5.4	6.1	9.8	13.6	20.8	34.9	64.7	169.1
White	4.7	4.7	8.5	8.4	12.9	17.8	26.4	41.8	70.0	174.5
Male	6.2	6.3	8.5	11.6	17.0	24.1	35.2	53.8	83.7	190.5
Female	3.2	3.2	4.7	5.4	9.2	12.4	19.8	34.1	62.7	168.4
All other	13.8	14.0	14.4	17.6	23.3	32.7	41.1	53.7	108.1	194.4
Male	20.6	21.4	20.4	25.9	34.5	44.9	56.7	71.1	146.0	230.2
Female	8.2	7.7	8.4	10.8	14.2	23.1	29.8	42.2	88.6	177.6
Black	17.2	17.1	17.2	20.8	27.6	38.8	48.8	61.6	128.4	212.2
Male	28.0	28.1	24.4	29.8	40.7	53.5	67.7	83.6	175.3	255.7
Female	10.0	9.7	11.3	13.3	16.9	27.4	35.5	47.8	99.4	184.3
All other diseases (Residual)	21.5	30.6	41.0	59.9	91.3	138.5	228.1	403.8	731.8	1,501.1
Male	28.5	37.9	51.0	73.1	112.4	170.4	278.7	500.5	877.1	1,685.1
Female	14.9	23.7	31.5	48.0	72.9	111.9	189.9	341.2	654.0	1,496.7
White	16.8	24.8	34.6	53.8	84.5	131.8	221.8	398.6	728.8	1,521.9
Male	21.5	30.2	42.5	65.5	103.8	161.1	271.7	493.7	876.3	1,695.7
Female	12.1	19.6	27.0	43.0	67.5	107.3	183.9	337.0	650.6	1,466.7
All other	52.3	67.5	81.0	101.6	149.1	192.0	283.9	451.3	763.3	1,294.1
Male	76.4	90.4	108.9	128.1	180.6	248.7	349.0	559.9	885.0	1,402.3
Female	32.0	48.3	57.9	79.8	112.8	147.7	214.4	378.9	696.4	1,243.2
Black	65.5	82.1	95.6	117.4	163.3	215.4	321.3	500.6	853.8	1,367.7
Male	97.0	113.1	128.8	146.7	205.8	281.6	388.6	631.1	979.8	1,485.7
Female	39.5	56.7	67.9	92.9	128.3	164.4	273.9	419.1	783.9	1,324.1
Accidents and adverse effects (E800-E849)	31.8	30.4	31.9	33.4	36.8	43.9	56.0	85.0	141.6	267.3
Male	48.9	46.9	47.1	49.2	53.2	60.9	78.9	114.6	187.1	374.5
Female	15.3	14.6	17.7	19.0	22.5	29.7	42.3	65.8	111.9	225.5
White	29.4	28.4	29.8	31.3	34.4	41.9	55.3	82.8	140.6	270.7
Male	44.7	43.2	42.7	45.3	48.8	56.7	73.7	110.0	194.3	378.9
Female	14.2	14.0	17.4	18.5	21.8	29.4	41.3	65.2	112.0	229.4
All other	47.3	43.0	45.4	47.3	54.7	60.1	82.4	105.0	153.2	233.8
Male	77.6	72.5	78.8	77.7	88.1	96.1	126.3	155.6	225.7	337.2
Female	21.7	18.2	19.4	22.2	27.7	31.8	50.9	71.7	111.9	185.2
Black	53.8	48.8	51.8	51.2	58.6	62.3	88.3	112.6	158.8	238.4
Male	80.6	83.5	80.1	85.6	93.7	100.3	136.7	173.2	231.5	347.1
Female	23.4	20.4	21.0	23.5	29.7	33.0	65.1	74.7	118.6	161.8
Motor vehicle accidents (E810-E825)	16.8	15.7	16.0	15.7	15.6	17.4	21.4	26.8	35.9	29.1
Male	24.3	22.9	22.1	21.3	21.6	23.3	28.4	36.1	57.1	60.0
Female	9.5	8.8	10.3	10.8	10.4	12.5	18.1	20.5	24.5	17.1
White	16.1	15.3	15.7	15.3	15.2	17.1	21.0	26.6	36.9	29.2
Male	23.1	21.9	21.1	20.5	20.6	22.2	28.9	35.2	58.3	59.3
Female	9.2	8.8	10.5	10.6	10.5	12.8	16.6	21.0	25.5	17.7
All other	21.3	18.2	18.3	18.3	18.9	20.2	24.2	27.2	25.0	28.8
Male	32.7	29.3	29.4	27.8	29.6	32.6	41.8	44.0	45.1	66.3
Female	11.7	9.0	9.2	10.5	10.2	10.5	11.6	16.1	13.4	10.9
Black	22.8	19.1	19.7	18.9	19.1	19.6	23.6	26.5	24.4	27.5
Male	36.7	31.5	33.0	30.0	30.5	32.7	43.1	45.9	43.8	65.7
Female	11.2	8.9	8.9	9.7	9.6	9.3	9.9	14.3	13.7	10.8
All other accidents and adverse effects (E800-E807,E826-E849)	15.0	14.7	15.9	17.7	21.2	26.5	36.7	58.4	105.7	238.2
Male	24.6	24.1	24.9	27.9	31.7	37.6	50.5	78.6	140.0	314.5
Female	5.8	5.8	7.4	8.4	12.0	17.2	26.2	45.3	87.4	208.4
White	13.3	13.1	14.1	16.0	19.3	24.8	34.2	56.2	103.7	241.5
Male	21.6	21.2	21.6	24.8	28.3	34.5	46.8	74.8	136.0	319.6
Female	5.1	5.2	6.9	7.9	11.3	16.7	24.7	44.2	86.4	211.8
All other	25.9	24.8	27.1	29.0	35.8	39.9	58.2	77.8	128.2	205.2
Male	44.9	43.3	47.5	49.9	59.5	63.5	84.5	111.6	180.5	270.9
Female	10.0	9.3	10.2	11.7	17.4	21.3	39.3	55.5	98.5	174.3
Black	31.0	29.7	32.2	32.3	39.5	42.8	64.7	86.1	134.4	210.9
Male	53.9	52.0	57.0	55.6	63.2	67.5	92.6	127.3	187.6	281.4
Female	12.1	11.5	12.1	12.8	19.9	23.7	45.2	60.4	105.0	181.0
Suicide (E850-E859)	14.2	14.6	14.7	15.8	15.4	17.2	20.0	24.5	28.0	20.5
Male	21.4	21.1	22.5	24.9	25.2	30.0	37.1	51.8	67.4	80.4
Female	7.3	8.4	7.3	7.5	6.9	6.6	7.0	6.9	7.0	5.0
White	15.2	15.7	15.9	17.2	16.7	18.4	21.5	26.3	29.8	21.9
Male	22.9	22.4	24.1	26.9	27.0	32.0	39.8	55.9	72.6	65.8
Female	7.7	9.1	8.0	8.2	7.6	7.0	7.5	7.6	7.1	5.3
All other	7.9	7.7	7.2	6.1	5.8	7.2	6.6	7.9	9.1	6.3
Male	11.5	11.9	11.8	10.4	10.5	13.0	11.9	18.1	15.0	14.0
Female	4.8	4.1	3.3	2.6	2.0	2.7	2.8	1.1	5.7	2.7
Black	8.1	7.8	6.9	6.3	6.1	7.3	5.8	8.0	6.4	3.1
Male	12.9	12.1	11.3	10.8	10.4	13.3	12.3	18.6	15.7	10.0
Female	4.0	4.3	3.3	2.5	2.5	2.6	1.3	1.4	1.2	-
Homicide and legal intervention (E860-E878)	9.7	7.8	6.3	5.7	4.6	4.3	4.2	4.5	4.6	4.7
Male	15.4	12.8	9.8	9.0	7.3	5.9	5.8	6.5	6.1	7.3
Female	4.1	3.3	3.0	2.7	2.3	2.9	3.0	3.2	3.9	3.7
White	8.5	5.5	4.5	4.3	3.5	3.0	3.2	3.5	3.4	3.5
Male	10.1	8.3	6.9	6.7	6.2	3.9	4.2	4.3	4.3	5.1
Female	3.0	2.7	2.3	2.1	1.9	2.3	2.3	3.0	2.9	2.9
All other	29.8	22.8	17.7	15.3	13.2	14.4	13.4	13.5	18.5	16.4
Male	52.5	42.2	30.4	25.6	23.6	22.7	20.3	28.3	24.8	26.6
Female	10.8	6.8	7.1	6.9	4.8	7.9	8.4	5.1	14.9	12.0
Black	37.1	28.3	20.2	17.9	15.8	16.8	15.8	16.0	20.8	18.3
Male	68.4	54.1	35.1	29.6	28.6	27.4	24.5	31.7	28.1	31.4
Female	12.9	7.3	6.2	6.2	5.3	8.5	9.7	6.1	16.8	12.7

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**Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.**

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total <sup>a</sup>	Under 1 year <sup>a</sup>	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
All other external causes (E980-E999) .....	1.2	1.1	0.4	0.1	0.3	0.9	1.5	1.9	2.2	2.0
Male .....	1.8	1.4	.3	.2	.5	1.3	2.3	2.8	3.5	3.2
Female .....	.7	.7	.4	.1	.1	.4	.8	1.0	1.0	.8
White .....	1.1	.7	.2	.1	.3	.8	1.3	1.5	1.9	1.7
Male .....	1.8	.8	.2	.1	.5	1.1	2.0	2.3	3.0	2.7
Female .....	.6	.6	.3	.0	.1	.4	.6	.8	.9	.8
All other .....	2.0	2.7	.9	.3	.3	1.3	2.5	3.7	3.7	3.6
Male .....	3.2	4.0	.8	.3	.6	2.3	3.4	5.8	6.1	6.7
Female .....	1.0	1.4	1.0	.2	.1	.3	1.6	2.0	1.4	1.0
Black .....	2.4	3.2	1.0	.3	.4	1.4	2.8	4.4	4.3	4.4
Male .....	3.8	4.7	1.0	.4	.8	2.5	3.8	6.8	7.6	8.2
Female .....	1.1	1.7	1.1	.2	.1	.2	1.9	2.2	1.4	1.3

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**Table 1-9. Death Rates for 72 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.**

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years and over
All other external causes (E980-E999)	1.5	1.3	1.1	1.0	0.9	1.0	1.3	0.9	1.3	2.1
Male	2.2	2.0	1.8	1.3	1.4	1.4	1.7	1.6	2.4	3.4
Female	.9	.6	.7	.6	.6	.7	.9	.5	.8	1.6
White	1.4	1.1	1.1	.8	.8	.9	1.3	.9	1.2	2.1
Male	1.9	1.6	1.4	1.1	1.2	1.2	1.7	1.5	2.3	3.4
Female	.8	.8	.7	.6	.5	.6	.9	.6	.6	1.5
All other	2.7	2.2	1.3	1.9	1.6	1.9	1.2	1.0	2.3	2.2
Male	4.3	4.2	2.4	3.3	2.5	2.9	1.5	2.2	2.7	3.5
Female	1.4	.5	.4	.7	.9	1.1	1.1	.3	2.1	1.6
Black	3.4	2.7	1.7	2.0	1.7	2.3	1.4	1.1	2.4	2.6
Male	5.6	5.4	3.2	3.6	2.6	3.6	1.5	2.7	2.2	4.3
Female	1.7	.5	.5	.7	.9	1.4	1.3	-	2.5	1.9

1 Figures for age not stated included in "Total" but not distributed among age groups.  
 2 Death rates under 1 year (based on population counts or estimates) differ from infant mortality rates (based on live births); see Technical Appendix.



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Table 1-10. Death Rates for 72 Selected Causes, by 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix.]

Cause of death, race, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
Streptococcal sore throat, scarlatina, and erysipelas (034-035)	0.0	0.0	-	0.0	-	0.0	-	0.0	0.0	0.0	0.0	0.1
Male	.0	.1	-	.0	-	.0	-	.0	.0	.0	.0	-
Female	.0	-	-	-	-	-	-	-	.0	.0	.0	.1
White	.0	.0	-	.0	-	.0	-	.0	.0	.0	.0	.1
Male	.0	.1	-	.0	-	.0	-	.0	.0	.0	.0	-
Female	.0	-	-	-	-	-	-	-	.0	.0	.0	.1
All other	.0	-	-	-	-	-	-	-	.0	.0	-	-
Male	.0	-	-	-	-	-	-	-	-	-	-	-
Female	.0	-	-	-	-	-	-	-	.1	-	-	-
Black	.0	-	-	-	-	-	-	-	.0	-	-	-
Male	.0	-	-	-	-	-	-	-	-	-	-	-
Female	.0	-	-	-	-	-	-	-	.1	-	-	-
Meningococcal Infection (036)	.1	1.9	0.5	.1	0.1	.0	0.0	.1	.1	.1	.1	.2
Male	.1	2.0	.5	.1	.1	.0	.1	.1	.1	.0	.1	.2
Female	.1	1.7	.4	.0	.1	.0	.0	.1	.0	.1	.2	.1
White	.1	1.7	.4	.0	.1	.0	.0	.1	.1	.1	.1	.2
Male	.1	1.9	.4	.0	.0	.0	.1	.0	.1	.0	.1	.3
Female	.1	1.5	.3	.0	.1	.0	.0	.1	.0	.1	.2	.2
All other	.2	2.4	.8	.1	.1	.1	.1	.2	.1	.1	.1	-
Male	.2	2.4	1.0	.1	.1	.2	.1	.1	.1	.1	.3	-
Female	.2	2.5	.6	.1	.1	.1	.1	.3	.1	.1	-	-
Black	.2	2.7	.9	.2	.1	.1	.1	.3	.1	.1	.1	-
Male	.3	2.7	1.1	.1	.1	.2	.1	.2	-	-	.4	-
Female	.2	2.7	.6	.2	.1	.1	.0	.4	.2	.1	-	-
Septicemia (038)	8.5	6.3	.6	.1	.3	.7	1.5	3.2	9.0	23.9	70.7	188.8
Male	7.6	6.8	.6	.1	.2	.7	1.8	3.7	10.4	26.5	81.4	207.9
Female	9.4	5.8	.6	.2	.3	.6	1.2	2.8	7.7	20.3	64.2	185.2
White	8.2	5.0	.5	.1	.2	.5	1.1	2.4	7.4	21.3	65.8	191.2
Male	7.2	5.7	.5	.1	.2	.8	1.3	2.6	8.5	25.3	76.1	200.9
Female	9.1	4.2	.5	.2	.2	.4	.8	2.1	6.4	18.0	59.6	187.5
All other	10.4	12.1	1.0	.1	.5	1.5	4.4	8.5	19.9	46.2	118.3	275.1
Male	10.1	11.7	1.1	.1	.3	1.7	5.4	11.1	24.3	56.5	131.6	287.4
Female	10.6	12.6	.9	.2	.7	1.3	3.5	6.5	16.4	38.5	110.1	278.7
Black	12.4	13.8	1.1	.2	.5	1.8	5.6	10.4	23.9	53.6	135.7	301.3
Male	12.1	12.3	1.3	.1	.3	2.2	7.0	13.9	28.8	65.5	152.6	290.0
Female	12.7	15.4	.9	.3	.8	1.5	4.4	7.6	19.8	44.8	125.6	308.2
Acute poliomyelitis (045)	.0	.0	-	-	-	-	-	-	-	-	-	-
Male	.0	.1	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-
White	.0	.0	-	-	-	-	-	-	-	-	-	-
Male	.0	.1	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-
All other	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-
Measles (055)	.0	.0	-	-	-	.0	.0	-	-	-	-	-
Male	.0	-	-	-	-	.0	.0	-	-	-	-	-
Female	.0	.1	-	-	-	.0	.0	-	-	-	-	-
White	.0	.0	-	-	-	.0	.0	-	-	-	-	-
Male	.0	-	-	-	-	.0	.0	-	-	-	-	-
Female	.0	.1	-	-	-	.0	.0	-	-	-	-	-
All other	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-
Viral hepatitis (070)	.5	.2	.0	.0	.1	.3	.4	.6	1.2	1.7	2.2	1.9
Male	.6	.1	.1	.0	.1	.3	.6	.9	1.4	2.2	3.0	2.7
Female	.4	.2	.0	.0	.0	.2	.2	.4	.9	1.3	1.8	1.6
White	.5	.1	.1	.0	.1	.2	.4	.6	1.1	1.7	2.2	1.9
Male	.6	.1	.1	.0	.1	.3	.5	.8	1.4	2.3	2.9	2.7
Female	.4	.1	.0	.0	.0	.1	.2	.3	.9	1.2	1.8	1.6
All other	.6	.4	-	.0	.2	.5	.7	1.2	1.5	2.0	2.2	2.2
Male	.7	.3	-	.0	.3	.5	1.0	1.5	1.7	1.8	3.2	2.3
Female	.6	.5	-	.0	.1	.5	.5	.9	1.4	2.2	1.6	2.2
Black	.5	.2	-	.0	.2	.6	.8	1.1	1.0	1.4	1.9	1.7
Male	.6	-	-	.0	.2	.5	1.1	1.1	1.1	.8	2.9	2.9
Female	.5	.3	-	.1	.6	.5	1.0	.9	1.8	1.3	1.3	1.3
Syphilis (090-097)	.0	.4	-	-	-	.0	.0	.0	.0	.1	.3	.4
Male	.0	.4	-	-	-	.0	.0	.0	.0	.1	.4	.7
Female	.0	.5	-	-	-	.0	.0	.0	.0	.0	.1	.3
White	.0	.1	-	-	-	.0	.0	.0	.0	.0	.2	.3
Male	.0	.2	-	-	-	.0	.0	.0	.0	.1	.3	.5
Female	.0	.1	-	-	-	.0	.0	.0	.0	.0	.1	.2
All other	.1	1.7	-	-	-	.0	.1	.1	.1	.2	1.2	1.5
Male	.1	1.3	-	-	-	.1	.1	.3	.1	.2	2.0	2.3
Female	.1	2.2	-	-	-	.0	.0	.0	.2	.1	.7	1.1
Black	.1	2.2	-	-	-	.1	.1	.2	.2	.2	1.5	1.7
Male	.2	1.7	-	-	-	.1	.1	.3	.1	.3	2.6	2.9
Female	.1	2.7	-	-	-	.0	.0	.3	.3	.1	.9	1.3



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Table 1-10. Death Rates for 72 Selected Causes, by 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix.]

Cause of death, race, and sex	Total †	Under 1 year ‡	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
<b>All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044, 045-054,056-066,071-088,098-139)</b>	9.5	7.9	1.5	0.5	1.9	15.1	19.6	12.2	8.2	9.1	13.6	23.7
Male	15.4	9.0	1.6	.5	2.9	26.0	35.4	22.0	12.6	12.2	17.4	28.0
Female	3.8	6.8	1.4	.5	.9	4.2	4.2	3.0	4.3	6.6	11.3	22.0
<b>White</b>	8.0	5.9	1.1	.4	1.5	11.6	15.4	10.4	7.2	8.7	13.3	24.0
Male	13.1	7.0	1.2	.5	2.3	20.9	28.7	19.0	11.0	11.6	17.3	27.1
Female	3.0	4.7	1.0	.4	.6	2.2	2.1	2.1	3.7	6.3	10.9	22.6
<b>All other</b>	17.6	16.4	3.2	.7	4.0	33.1	44.2	24.0	15.3	12.4	16.6	20.8
Male	28.0	17.2	3.2	.7	5.7	54.1	78.1	42.5	24.1	17.2	18.3	36.0
Female	6.1	15.6	3.2	.8	2.2	13.9	15.3	8.6	8.1	8.8	15.5	13.7
<b>Black</b>	21.5	19.7	3.9	.8	4.7	41.3	57.2	30.0	17.5	13.4	18.9	21.4
Male	34.5	21.0	3.8	.7	6.8	67.9	101.8	54.3	27.0	10.2	22.4	36.6
Female	9.8	18.4	4.0	.9	2.7	17.5	19.8	10.2	9.0	9.9	16.7	13.9
<b>Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-209)</b>	197.3	2.3	3.7	3.2	5.1	11.9	44.2	160.4	447.3	842.7	1,313.3	1,838.9
Male	215.5	2.3	3.8	3.6	5.9	11.7	39.7	166.3	526.7	1,072.7	1,801.0	2,527.9
Female	180.0	2.3	3.7	2.7	4.2	12.2	48.5	154.9	376.6	859.2	1,292.8	1,292.8
<b>White</b>	205.0	2.2	3.8	3.2	5.1	11.5	41.6	152.3	437.1	833.8	1,305.6	1,640.2
Male	221.4	2.3	3.9	3.7	5.9	11.5	36.9	153.5	508.6	1,050.4	1,839.7	2,533.0
Female	189.3	2.2	3.7	2.6	4.2	11.6	48.2	151.3	372.5	860.0	994.4	1,300.1
<b>All other</b>	155.9	2.6	3.4	3.0	5.1	14.2	59.8	211.3	520.6	917.2	1,387.6	1,826.0
Male	183.0	2.4	3.1	3.2	5.7	12.8	88.2	253.5	662.8	1,266.2	2,055.9	2,483.7
Female	131.1	2.7	3.7	2.8	4.5	15.5	61.1	176.0	404.5	853.4	968.6	1,223.0
<b>Black</b>	178.7	3.0	3.6	2.9	5.6	15.8	69.7	243.8	588.1	1,029.2	1,542.8	1,720.1
Male	211.7	2.7	3.4	3.1	6.2	14.0	68.0	302.2	749.8	1,434.5	2,344.5	2,720.0
Female	148.9	3.4	3.8	2.8	4.9	17.5	71.2	196.2	454.1	728.3	1,082.8	1,288.0
<b>Malignant neoplasms of lip, oral cavity, and pharynx (140-149)</b>	3.3	.0	—	.0	.1	.1	.8	4.2	9.9	13.9	16.6	19.6
Male	4.6	.1	—	.0	.1	.2	1.2	6.6	15.4	20.9	26.0	33.0
Female	2.1	—	—	.0	.0	.1	.4	1.9	4.9	9.0	11.0	14.4
<b>White</b>	3.3	.0	—	.0	.0	.1	.6	3.2	8.1	13.6	16.8	20.2
Male	4.4	.1	—	.0	.1	.1	.8	4.9	14.0	20.1	25.8	34.4
Female	2.2	—	—	—	.0	.1	.3	1.6	4.7	8.4	11.4	14.8
<b>All other</b>	3.6	—	—	.0	.2	.4	2.2	10.3	15.1	16.5	15.1	13.0
Male	5.6	—	—	.1	.2	.6	3.5	18.1	25.7	27.8	27.8	20.9
Female	1.7	—	—	.0	.1	.2	1.1	3.8	6.5	7.9	7.1	9.3
<b>Black</b>	4.1	—	—	.0	.2	.4	2.4	12.1	17.8	18.0	16.1	13.1
Male	6.6	—	—	.0	.3	.6	4.0	21.5	29.9	31.1	32.4	21.4
Female	1.9	—	—	.0	.1	.1	1.1	4.5	7.8	8.2	6.4	9.5
<b>Malignant neoplasms of digestive organs and peritoneum (150-159)</b>	47.8	.2	.1	.0	.3	1.4	7.3	30.7	98.2	200.7	357.2	532.4
Male	51.7	.2	.2	.1	.3	1.7	9.1	39.5	125.9	257.3	456.8	656.1
Female	44.1	.1	.1	.0	.3	1.1	5.6	22.4	69.8	155.6	297.1	483.3
<b>White</b>	48.8	.2	.1	.0	.3	1.2	6.4	27.8	90.4	194.1	351.9	531.1
Male	52.2	.3	.2	.0	.3	1.4	7.9	34.9	117.5	248.0	450.5	680.6
Female	45.6	.1	.1	.0	.3	.9	4.9	20.9	66.0	150.8	292.8	481.7
<b>All other</b>	42.2	—	.1	.1	.5	2.8	12.6	49.4	137.6	256.6	408.7	545.4
Male	48.9	—	.1	.1	.6	3.5	16.6	70.6	189.0	336.5	515.1	636.0
Female	36.0	—	.0	.0	.5	2.2	9.1	31.6	95.7	194.7	342.4	502.7
<b>Black</b>	46.8	—	.1	.0	.5	2.9	13.6	54.6	149.6	278.9	445.2	561.1
Male	54.0	—	.2	.1	.6	3.4	18.0	80.5	205.2	365.2	563.2	654.3
Female	40.4	—	—	—	.4	2.5	10.0	33.6	103.6	215.0	374.4	523.4
<b>Malignant neoplasms of respiratory and intrathoracic organs (160-165)</b>	56.2	.1	.0	.0	.1	.7	7.6	50.0	162.2	280.0	324.2	228.5
Male	76.7	.1	.0	.0	.2	.9	9.6	65.7	229.5	425.4	579.8	492.8
Female	36.8	.1	.0	.0	.1	.5	5.8	35.0	102.2	164.1	189.9	125.7
<b>White</b>	58.8	.1	.0	.0	.1	.7	7.0	47.6	160.0	279.7	325.7	228.3
Male	79.1	.1	.0	.0	.1	.8	8.4	60.6	222.9	418.8	579.0	493.9
Female	39.4	.0	.0	.0	.1	.5	5.6	35.0	103.2	168.1	173.4	127.1
<b>All other</b>	42.4	.1	—	.0	.2	.9	10.9	64.9	177.7	282.6	309.3	230.5
Male	63.8	—	—	—	.2	1.3	16.9	100.1	278.8	482.6	585.5	483.7
Female	22.9	.3	—	.1	.1	.6	5.7	35.6	95.2	131.4	135.8	111.5
<b>Black</b>	49.5	.2	—	.0	.2	.9	13.1	77.7	206.3	320.9	340.2	234.5
Male	75.3	—	—	.3	1.3	21.0	122.8	322.3	550.3	864.3	528.6	528.6
Female	26.2	.3	—	.1	.1	.6	6.6	41.0	110.3	145.8	146.0	105.7
<b>Malignant neoplasm of breast (174-175)</b>	17.3	.0	—	—	.0	1.5	8.9	23.4	43.4	61.3	90.1	133.6
Male	.2	—	—	—	—	.0	.1	.3	.4	1.1	2.3	4.0
Female	33.5	.1	—	—	.1	3.0	17.6	45.3	81.8	109.4	143.1	183.9
<b>White</b>	18.1	—	—	—	.0	1.4	8.8	22.7	43.4	62.4	91.4	135.9
Male	.2	—	—	—	—	.0	.0	.2	.4	1.1	2.0	2.8
Female	35.2	—	—	—	.1	2.7	16.5	44.4	82.2	111.8	145.2	188.8
<b>All other</b>	12.8	.1	—	—	.1	2.4	12.8	27.8	43.9	52.0	77.2	110.0
Male	.3	—	—	—	.0	.2	.2	.8	.3	1.2	4.9	14.0
Female	24.1	.3	—	—	.1	4.6	23.6	50.4	79.5	90.4	122.9	158.3
<b>Black</b>	15.0	.2	—	—	.1	2.9	15.8	32.7	49.6	59.3	89.1	127.1
Male	.4	—	—	—	.0	.2	1.0	2.0	4.0	1.5	5.9	17.1
Female	28.1	.3	—	—	.2	5.4	29.1	58.5	90.7	102.5	139.0	176.6
<b>Malignant neoplasms of genital organs (179-187)</b>	21.7	.1	.0	.0	.3	1.3	3.7	11.0	33.7	89.9	194.6	282.7
Male	24.7	.1	.0	.0	.3	.6	.5	3.1	25.1	111.8	333.8	483.8
Female	18.9	—	.0	.0	.3	2.1	6.9	18.5	41.3	71.3	94.5	106.8
<b>White</b>	21.8	—	.0	.0	.3	1.3	3.5	10.4	31.7	84.4	174.6	253.1
Male	24.4	—	—	.0	.3	.6	.5	2.7	22.4	102.6	311.7	438.7
Female	19.4	—	.1	.0	.3	1.9	6.4	17.9	40.2	69.8	92.2	106.2
<b>All other</b>	21.2	.3	.0	—	.2	1.7	5.2	14.9	47.9	130.6	281.0	358.0
Male	26.5	.5	.1	—	.2	2.0	6.0	18.2	46.2	131.6	311.2	411.2
Female	16.3	—	—	—	.2	1.5	4.2	11.7	31.7	89.0	210.8	287.9
<b>Black</b>	25.0	.3	.0	—	.2	3.0	9.3	22.4	49.3	84.4	117.4	113.7
Male	32.3	.7	.1	—	.1	2.0	6.0	16.3	59.9	152.5	327.3	392.6
Female	18.5	—	—	—	.3	3.4	10.4	23.4	54.4	95.8	132.2	124.7

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Table 1-10. Death Rates for 72 Selected Causes, by 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
<b>Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues-Con.</b>												
Malignant neoplasms of urinary organs (188-189)	7.9	0.1	0.1	0.1	0.1	0.2	1.0	4.9	14.6	33.2	61.6	92.8
Male	10.3	.2	.1	.1	.1	.3	1.4	7.0	21.4	50.0	102.5	165.0
Female	5.6	.1	.2	.1	.1	.2	.7	2.9	8.5	19.7	36.9	64.8
White	8.5	.1	.1	.1	.1	.2	1.0	4.9	14.9	33.9	62.6	95.3
Male	11.2	.1	.1	.1	.1	.2	1.3	7.1	22.2	51.5	105.2	179.5
Female	6.0	.1	.2	.1	.1	.1	.7	2.8	8.4	19.8	37.1	65.5
All other	4.6	.1	.2	.2	.1	.5	1.4	4.8	12.3	26.8	51.5	68.4
Male	5.6	.3	.1	.3	.2	.6	2.0	6.2	15.9	37.6	77.1	91.9
Female	3.7	-.2	.2	.1	.1	.4	.8	3.7	9.4	18.7	35.5	57.4
Black	5.3	.2	.2	.2	.2	.6	1.7	5.6	13.6	30.1	57.0	72.5
Male	6.4	.3	.1	.3	.3	.8	2.4	7.3	17.4	42.0	85.7	98.6
Female	4.3	-.3	.3	.1	.1	.4	1.1	4.2	10.4	21.3	39.9	61.4
<b>Malignant neoplasms of all other and unspecified sites (170-173,190-199)</b>												
Malignant neoplasms of all other and unspecified sites (170-173,190-199)	24.9	1.2	1.9	1.5	1.9	3.5	8.8	23.3	55.5	95.4	148.8	201.4
Male	27.4	1.4	2.0	1.5	2.1	4.1	10.5	28.2	69.4	121.5	191.2	274.5
Female	22.5	1.0	1.9	1.4	1.7	2.8	7.2	18.7	43.1	74.5	123.1	172.9
White	26.3	1.2	2.0	1.5	1.9	3.7	9.0	23.1	55.4	96.0	150.1	204.0
Male	28.9	1.4	2.1	1.6	2.2	4.3	10.6	27.4	69.2	122.6	193.6	284.0
Female	23.8	.9	1.9	1.4	1.7	3.0	7.3	18.9	42.9	74.6	123.9	173.6
All other	17.2	1.3	1.8	1.5	1.9	2.5	8.2	25.0	58.3	89.9	136.1	175.1
Male	19.0	1.3	1.7	1.4	1.9	2.9	9.8	33.8	70.8	112.0	168.4	193.0
Female	15.6	1.4	1.9	1.6	1.8	2.2	6.9	17.7	44.5	73.3	115.9	166.7
Black	19.6	1.5	2.0	1.6	2.0	2.8	9.7	29.0	63.2	100.7	149.0	185.2
Male	21.9	1.3	1.9	1.4	2.0	3.2	11.8	40.6	79.9	126.8	189.7	285.7
Female	17.6	1.7	2.2	1.9	2.1	2.4	7.9	19.5	48.4	81.4	124.7	177.2
<b>Leukemia (204-208)</b>												
Leukemia (204-208)	7.2	.5	1.3	1.2	1.4	1.3	2.5	4.7	11.0	24.4	50.6	75.7
Male	8.1	.3	1.2	1.5	1.8	1.6	3.0	5.5	13.9	32.7	71.8	110.1
Female	6.2	.8	1.3	.9	1.0	1.0	2.1	3.9	8.5	17.8	37.7	62.4
White	7.6	.5	1.3	1.2	1.4	1.3	2.5	4.8	11.3	24.8	51.6	78.0
Male	8.7	.3	1.3	1.6	1.8	1.6	2.9	5.5	14.2	33.3	74.0	113.8
Female	6.7	.8	1.3	.9	1.0	1.0	2.1	4.0	8.7	18.1	38.1	64.4
All other	4.5	.5	1.2	1.0	1.2	1.4	2.9	4.3	9.0	20.6	40.4	59.2
Male	5.1	.3	.9	1.1	1.5	1.7	3.9	5.2	11.9	27.1	51.3	77.9
Female	3.9	.8	1.5	1.0	1.0	1.2	2.1	3.5	6.7	15.8	33.6	41.5
Black	4.9	.7	1.1	.8	1.3	1.6	3.1	4.4	9.7	22.6	44.9	58.5
Male	5.6	.3	.9	.9	1.7	2.0	4.2	5.7	12.2	29.5	57.4	84.3
Female	4.2	1.0	1.3	.7	.9	1.2	2.1	3.3	7.7	17.5	37.4	49.0
<b>Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)</b>												
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)	11.1	.1	.2	.3	.8	1.8	3.4	8.2	20.8	44.5	79.0	92.2
Male	11.7	-.2	.1	.4	1.0	2.4	4.4	10.5	25.6	52.0	96.7	126.8
Female	10.4	.2	.1	.1	.6	1.2	2.4	6.1	16.5	38.5	68.4	78.7
White	11.7	.1	.2	.3	.8	1.8	3.3	8.0	20.8	44.8	80.8	94.3
Male	12.4	-.2	.2	.4	1.1	2.4	4.3	10.1	25.8	52.5	97.9	131.3
Female	11.1	.2	.1	.2	.6	1.2	2.4	5.9	16.3	39.7	70.6	90.2
All other	7.4	-.1	.1	.2	.7	1.7	3.7	9.8	20.5	41.5	68.3	71.7
Male	8.1	-.2	.3	.9	2.1	4.9	13.0	24.2	47.9	84.6	108.4	131.7
Female	6.8	-.1	.1	.1	.6	1.2	2.6	7.2	17.8	36.7	68.1	83.9
Black	8.4	-.1	.1	.1	.8	2.0	4.3	11.4	23.5	46.0	74.0	75.5
Male	9.2	-.3	.3	.3	1.1	2.5	5.8	15.2	27.6	52.8	83.0	97.1
Female	7.7	-.1	-.1	.0	.6	1.5	3.0	8.3	20.2	41.0	62.6	66.5
<b>Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)</b>												
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	2.7	1.6	.5	.3	.3	.4	.8	1.7	3.9	8.8	20.7	38.7
Male	2.5	1.3	.5	.3	.3	.5	.9	1.9	4.1	9.6	22.9	44.5
Female	3.0	1.8	.5	.3	.2	.4	.7	1.6	3.7	8.1	19.5	36.4
White	2.8	1.7	.5	.3	.2	.4	.8	1.8	3.7	8.5	20.5	39.2
Male	2.6	1.3	.5	.3	.3	.4	.8	1.8	3.9	9.5	22.7	45.1
Female	3.0	2.1	.4	.3	.2	.4	.8	1.5	3.5	7.7	19.1	37.0
All other	2.9	.9	.6	.3	.4	.6	.7	2.3	5.1	10.8	23.2	33.1
Male	2.0	1.3	.5	.2	.4	.6	.7	2.4	5.1	10.4	24.1	39.5
Female	2.5	.5	.6	.4	.3	.6	.8	2.1	5.1	11.1	22.7	30.1
Black	2.6	.7	.6	.3	.4	.7	.9	2.7	5.9	12.6	25.3	35.8
Male	2.3	1.3	.6	.2	.3	.7	.9	3.0	6.8	12.3	25.0	42.9
Female	2.8	-.1	.8	.5	.4	.7	.9	2.5	6.0	12.9	25.6	32.9
<b>Diabetes mellitus (250)</b>												
Diabetes mellitus (250)	16.4	.0	.1	.1	.3	1.5	4.0	10.4	28.0	62.0	125.0	222.1
Male	14.2	-.1	.0	.1	.4	1.8	4.8	11.5	28.6	61.8	127.3	229.2
Female	18.6	.1	.1	.1	.3	1.2	3.1	9.2	27.5	62.1	123.7	219.3
White	15.8	-.1	.1	.1	.3	1.4	3.4	8.5	23.9	55.5	116.6	215.5
Male	13.8	-.1	.0	.1	.3	1.6	4.1	9.8	25.2	57.4	121.6	229.0
Female	17.6	-.1	.1	.1	.2	1.1	2.6	7.3	22.6	53.9	113.5	210.4
All other	20.0	.1	-.1	.1	.5	2.2	7.5	21.8	57.4	116.5	207.1	287.7
Male	16.2	-.1	-.1	.0	.5	2.6	9.4	23.4	53.7	100.1	180.0	231.4
Female	23.5	.3	-.1	.1	.4	1.9	5.8	20.4	60.4	128.8	224.5	314.2
Black	23.1	.2	-.1	.1	.5	2.7	9.4	25.5	65.4	130.1	230.4	302.6
Male	18.4	-.1	-.1	.0	.8	3.2	12.1	27.5	60.4	110.2	198.5	232.9
Female	27.3	.3	-.1	.2	.4	2.3	7.2	23.6	69.5	145.0	249.6	335.4
<b>Nutritional deficiencies (260-269)</b>												
Nutritional deficiencies (260-269)	1.2	.7	.0	.0	.0	.0	.1	.1	.5	2.0	9.5	49.8
Male	.9	.7	.0	.0	.0	.0	.1	.2	.8	2.3	10.2	49.1
Female	1.5	.7	.0	.0	.0	.0	.0	.1	.5	1.7	9.1	50.0
White	1.2	.5	.0	.0	.0	.0	.1	.1	.4	1.7	9.1	48.5
Male	.9	.4	.0	.0	.0	.0	.1	.1	.4	2.0	9.7	46.5
Female	1.5	.5	-.1	.0	.0	.0	.1	.1	.4	1.6	8.8	49.2
All other	1.2	1.6	.1	.0	.0	.1	.3	.4	1.5	4.1	13.4	62.8
Male	1.2	1.6	.1	.0	.0	.1	.4	.7	2.0	5.4	14.5	70.9
Female	1.2	1.6	.1	.0	.0	.1	.2	.1	1.1	3.1	12.8	59.0
Black	1.4	1.9	.1	.0	.0	.1	.4	.4	1.9	4.7	14.7	67.7
Male	1.4	2.0	.1	-.1	-.1	.1	.5	.8	2.5	6.2	16.9	80.0
Female	1.4	1.7	.2	.0	.0	.1	.2	.1	1.4	3.5	13.4	62.7

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Table 1-10. Death Rates for 72 Selected Causes, by 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total 1	Under 1 year 2	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
Anemias (280-285)	1.6	0.7	0.3	0.2	0.3	0.3	0.4	0.6	1.2	3.2	11.8	40.2
Male	1.3	.8	.3	.1	.3	.4	.4	.6	1.3	3.8	13.1	42.1
Female	1.7	.6	.3	.2	.3	.3	.4	.5	1.2	2.8	11.1	39.5
White	1.5	.3	.1	.1	.1	.1	.2	.4	1.1	3.1	11.6	40.4
Male	1.2	.5	.1	.1	.2	.1	.2	.4	1.2	3.8	12.7	42.8
Female	1.7	.1	.0	.1	.1	.1	.1	.3	.9	2.8	10.9	39.5
All other	2.0	2.3	1.2	.4	1.0	1.4	1.9	1.8	2.4	4.3	14.8	38.3
Male	2.0	1.9	1.3	.4	1.1	1.9	2.1	2.2	2.0	4.4	16.2	38.0
Female	2.1	2.7	1.2	.4	1.0	1.0	1.7	1.5	2.6	4.1	13.5	39.3
Black	2.4	1.5	1.5	.5	1.2	1.7	2.4	2.4	2.9	4.7	16.3	40.8
Male	2.4	1.3	1.5	.5	1.3	2.3	2.7	2.8	2.4	4.5	17.8	37.1
Female	2.5	1.7	1.6	.5	1.2	1.2	2.2	2.0	3.3	4.7	15.4	42.4
Meningitis (320-322)	.5	5.3	.9	.2	.1	.1	.1	.3	.8	1.1	1.7	2.7
Male	.5	5.6	1.0	.1	.1	.2	.2	.4	.7	1.0	1.5	3.4
Female	.4	5.0	.7	.2	.1	.1	.1	.2	.4	1.1	1.8	2.4
White	.4	4.3	.8	.1	.1	.1	.1	.2	.5	.9	1.4	2.4
Male	.4	4.6	.8	.1	.1	.1	.1	.2	.8	.9	1.2	2.8
Female	.4	4.0	.7	.1	.1	.1	.1	.3	.9	.9	1.5	2.2
All other	.9	9.4	1.4	.2	.1	.3	.4	1.1	1.3	2.2	4.5	6.3
Male	1.1	9.5	1.9	.1	.1	.6	.9	1.9	1.7	2.1	4.3	8.1
Female	.7	9.3	.9	.3	.1	.1	.0	.5	.9	2.3	4.6	6.5
Black	1.1	10.5	1.8	.3	.1	.4	.5	1.4	1.5	2.5	5.2	7.0
Male	1.3	11.3	2.4	.1	.1	.7	1.1	2.4	1.9	2.1	5.1	8.0
Female	.9	9.6	1.2	.4	.1	.1	.0	.6	1.2	2.7	5.3	6.3
Major cardiovascular diseases (390-448)	394.4	26.8	2.8	1.2	3.8	11.0	42.7	155.8	472.2	1,203.1	3,277.2	8,431.0
Male	393.2	29.1	2.9	1.3	4.7	14.4	61.8	227.4	672.2	1,625.1	4,084.2	10,135.4
Female	395.5	24.3	2.9	1.0	2.9	7.6	24.1	88.0	293.9	886.4	2,790.1	9,183.0
White	413.0	22.3	2.4	1.1	3.3	8.7	35.6	138.3	441.9	1,170.2	3,257.5	9,644.7
Male	409.5	24.7	2.3	1.2	4.1	11.6	53.3	207.6	642.6	1,603.5	4,093.1	10,442.0
Female	418.2	19.7	2.5	1.0	2.5	5.8	17.9	71.3	260.7	822.4	2,755.1	9,340.6
All other	294.1	45.6	4.5	1.5	6.3	22.9	85.1	265.9	689.5	1,478.6	3,467.0	7,302.6
Male	303.2	48.0	4.7	1.7	7.8	29.9	116.6	361.2	896.2	3,999.0	7,491.9	
Female	285.8	43.2	4.2	1.3	4.8	18.5	58.2	185.3	520.8	1,226.9	3,145.2	7,213.7
Black	342.4	50.6	5.0	1.7	7.4	27.5	105.8	318.8	797.4	1,870.5	3,880.4	7,735.8
Male	349.6	52.7	5.1	2.0	9.1	36.1	145.4	437.9	1,020.1	2,037.1	4,472.4	7,886.6
Female	336.0	48.5	4.9	1.4	5.8	19.8	72.6	222.0	612.9	1,399.2	3,525.8	7,681.6
Diseases of heart (390-398,402,404-429)	311.3	22.6	2.4	.9	2.9	8.2	34.2	131.4	400.9	984.1	2,542.7	7,098.1
Male	321.9	24.6	2.4	1.1	3.8	11.3	52.2	199.8	584.7	1,358.1	3,239.1	7,830.9
Female	301.2	20.4	2.5	.8	2.1	5.1	16.8	66.7	237.0	685.6	2,122.4	6,810.1
White	327.2	19.1	2.1	.9	2.4	6.6	29.3	390.2	964.7	2,535.6	7,284.9	
Male	336.9	21.2	1.9	1.0	3.1	9.2	46.2	186.3	565.1	1,348.9	3,257.6	8,072.5
Female	318.0	16.8	2.2	.7	1.7	3.9	12.6	54.6	213.3	658.2	2,101.5	6,967.3
All other	225.4	37.2	3.9	1.2	5.2	16.6	69.5	207.7	549.9	1,146.6	2,611.1	5,436.4
Male	239.2	39.0	4.1	1.5	6.7	22.8	90.5	291.3	732.2	1,437.7	3,055.4	5,754.7
Female	212.9	35.5	3.7	.9	3.7	11.0	40.4	137.9	398.5	926.5	2,335.6	5,298.9
Black	263.1	41.5	4.3	1.4	6.1	20.0	79.1	250.8	635.2	1,296.8	2,929.1	5,781.7
Male	276.3	43.0	4.5	1.8	7.9	27.6	113.0	352.0	833.0	1,615.7	3,435.7	6,165.7
Female	251.2	39.9	4.1	1.0	4.4	13.2	50.8	167.8	471.4	1,060.0	2,625.6	5,848.1
Rheumatic fever and rheumatic heart disease (390-398)	2.6	.2	.0	.0	.1	.3	.8	1.8	4.8	10.2	20.5	27.4
Male	1.6	.2	.0	.0	.2	.5	1.5	3.4	7.3	13.6	21.1	21.1
Female	3.6	.2	.0	.0	.1	.3	.7	2.1	5.6	12.5	24.6	29.9
White	2.8	.2	.0	.0	.1	.2	.5	1.7	4.7	10.7	21.8	28.6
Male	1.7	.1	.0	.0	.1	.2	.4	1.4	3.5	7.5	14.4	21.0
Female	3.9	.2	.0	.0	.1	.3	.6	1.9	5.7	13.2	26.2	31.4
All other	1.4	.1	.0	.1	.2	.5	1.5	2.7	3.6	6.0	8.3	13.8
Male	1.1	.3	.0	.1	.3	.5	1.2	2.3	2.2	4.9	6.7	14.0
Female	1.7	.0	.1	.1	.5	1.8	3.0	4.7	6.9	9.3	13.7	19.2
Black	1.4	.0	.0	.1	.2	.5	1.7	3.0	3.5	5.4	7.6	12.2
Male	1.1	.0	.1	.1	.3	.4	1.4	2.7	2.2	4.5	7.0	8.6
Female	1.7	.0	.1	.1	.6	1.9	3.3	4.5	6.1	7.9	13.9	
Hypertensive heart disease (402)	8.5	.0	.0	.0	.1	.3	1.5	5.7	13.9	27.5	63.3	160.0
Male	7.4	.1	.0	.0	.1	.5	2.0	7.5	17.6	32.1	59.7	120.2
Female	9.5	.0	.0	.0	.0	.2	1.0	4.0	10.6	23.8	65.5	175.3
White	7.2	.0	.0	.0	.0	.2	.7	3.2	9.4	21.4	54.3	150.6
Male	6.0	.1	.0	.0	.1	.2	1.1	4.8	12.4	25.5	50.8	107.4
Female	8.3	.0	.0	.0	.0	.1	.4	1.7	6.7	18.0	56.3	167.0
All other	15.3	.0	.0	.0	.2	1.3	6.1	21.1	46.0	79.0	151.2	253.5
Male	15.0	.0	.1	.0	.3	1.8	7.5	26.0	57.0	89.4	143.2	230.2
Female	15.6	.0	.0	.0	.1	.9	4.9	17.0	37.0	71.2	156.5	264.5
Black	18.6	.0	.0	.0	.3	1.6	7.9	26.8	55.6	93.1	173.8	280.3
Male	18.2	.0	.1	.0	.4	2.2	9.7	33.3	67.7	104.8	188.0	258.6
Female	19.0	.0	.0	.0	.2	1.1	6.4	21.6	45.6	84.4	176.9	291.8
Hypertensive heart and renal disease (404)	1.0	.0	.0	.0	.0	.0	.1	.3	1.0	2.6	9.2	25.4
Male	.8	.0	.0	.0	.0	.0	.2	.3	1.0	2.9	9.9	28.6
Female	1.2	.1	.0	.0	.0	.1	.2	.3	1.0	2.5	8.8	24.1
White	.9	.0	.0	.0	.0	.0	.0	.1	.6	1.9	7.6	24.2
Male	.7	.0	.0	.0	.0	.0	.0	.1	.6	2.0	8.6	26.5
Female	1.0	.1	.0	.0	.0	.0	.1	.5	1.8	1.8	7.0	23.4
All other	1.8	.0	.0	.0	.1	.7	1.2	3.9	8.7	24.7	36.8	48.5
Male	1.6	.0	.0	.0	.1	.2	1.0	1.4	3.9	9.3	21.7	48.5
Female	1.9	.0	.0	.0	.1	.1	.4	1.0	3.9	8.2	26.7	32.2
Black	2.2	.0	.0	.0	.1	.2	.9	1.4	4.8	10.4	29.6	40.2
Male	1.9	.0	.0	.0	.1	.1	.2	1.4	4.6	11.2	25.7	50.0
Female	2.4	.0	.0	.0	.1	.1	.6	1.2	4.9	9.8	31.9	36.1

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Table 1-10. Death Rates for 72 Selected Causes, by 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total †	Under 1 year ‡	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
<b>Diseases of heart-Con.</b>												
<b>Ischemic heart disease (410-414)</b>	207.3	0.8	0.1	0.0	0.3	2.7	19.3	84.3	266.9	676.7	1,738.5	4,616.9
Male	220.9	.8	.1	.0	.5	4.1	31.7	134.5	401.3	956.9	2,277.5	5,236.2
Female	184.4	.7	.1	.0	.2	1.2	7.2	36.8	147.1	453.1	1,413.1	4,374.2
<b>White</b>	223.8	.7	.1	.0	.3	2.4	18.3	81.8	264.0	682.1	1,766.1	4,776.1
Male	238.0	.7	.0	.0	.4	3.7	30.6	132.9	403.4	975.2	2,335.5	5,476.5
Female	209.8	.7	.1	.0	.1	1.1	6.1	32.3	138.1	446.8	1,423.9	4,512.1
<b>All other</b>	119.5	1.1	.1	.0	.6	9.9	24.9	100.5	287.8	631.2	1,471.0	3,011.5
Male	126.6	1.1	.1	.0	1.1	6.3	38.6	145.1	385.0	788.2	1,726.7	3,172.1
Female	113.0	1.1	.1	.0	.2	1.8	13.3	53.2	208.3	505.0	1,312.4	2,996.1
<b>Black</b>	137.1	1.3	.1	.0	.8	4.8	30.8	118.7	328.3	702.3	1,625.5	3,165.1
Male	142.8	1.3	.1	.0	1.3	7.8	47.4	170.8	428.3	877.1	1,895.6	3,944.3
Female	132.2	1.4	.1	.0	.3	2.2	16.8	76.5	243.5	572.9	1,463.7	3,105.7
<b>Acute myocardial infarction (410)</b>	100.9	.4	.0	.0	.2	1.5	11.4	50.4	155.2	374.6	854.3	1,652.2
Male	113.5	.5	.0	.0	.3	2.2	18.7	80.4	231.2	523.0	1,182.0	2,025.7
Female	89.9	.4	.0	.0	.1	.8	4.4	22.0	67.4	256.1	688.6	1,506.3
<b>White</b>	108.6	.4	.0	.0	.2	1.4	11.0	50.0	154.9	379.5	869.2	1,700.9
Male	122.6	.5	.0	.0	.3	2.1	18.3	81.3	234.8	535.3	1,163.1	2,111.6
Female	95.3	.2	.1	.0	.1	.7	3.7	19.8	62.7	254.4	692.5	1,544.4
<b>All other</b>	59.0	.8	-	-	.3	2.1	13.9	53.0	157.4	333.0	709.7	1,166.9
Male	63.3	.5	-	-	.5	3.3	20.9	74.9	203.9	415.5	837.1	1,287.2
Female	55.2	1.1	-	-	.2	1.1	7.9	34.8	119.5	270.6	630.7	1,110.4
<b>Black</b>	67.5	1.0	-	-	.4	2.5	17.1	62.5	178.3	389.2	781.1	1,225.8
Male	71.2	.7	-	-	.6	3.8	25.5	87.7	234.6	455.5	918.1	1,357.1
Female	64.2	1.4	-	-	.3	1.3	10.1	42.1	137.3	305.3	698.5	1,175.3
<b>Other acute and subacute forms of ischemic heart disease (411)</b>	1.4	.1	.0	-	.0	.1	.3	1.1	.6	4.8	9.3	24.0
Male	1.6	.2	.0	-	.0	.1	.5	1.7	.9	6.9	12.4	27.6
Female	1.2	.1	.0	-	.0	.0	.5	1.2	.5	3.1	7.4	22.6
<b>White</b>	1.4	.1	.0	-	.0	.0	.3	1.0	.4	4.5	9.0	23.9
Male	1.8	.1	.0	-	.0	.1	.5	1.8	.9	6.5	12.0	27.9
Female	1.2	.1	.0	-	.0	.0	.1	.4	1.1	3.0	7.3	22.4
<b>All other</b>	1.3	.1	-	-	.0	.2	.5	2.1	2.9	6.8	12.0	25.3
Male	1.8	.3	-	-	.1	.2	.9	2.8	4.2	10.6	16.5	25.6
Female	1.0	.1	-	-	.1	.1	1.4	1.8	3.9	9.1	25.1	25.1
<b>Black</b>	1.5	.2	-	-	.1	.2	.6	2.5	3.5	8.1	13.9	27.1
Male	1.9	.3	-	-	.1	.2	1.2	3.3	5.1	12.7	19.1	30.0
Female	1.2	-	-	-	-	.1	.2	1.8	2.1	4.6	10.8	25.9
<b>Angina pectoris (413)</b>	.4	-	-	-	-	.0	.0	.1	.4	1.4	3.7	10.0
Male	.4	-	-	-	-	-	-	.1	.6	1.8	4.5	8.7
Female	.4	-	-	-	-	.0	.0	.1	.3	1.0	3.3	10.5
<b>White</b>	.4	-	-	-	-	.0	.0	.1	.4	1.4	3.8	10.5
Male	.4	-	-	-	-	.0	.0	.1	.6	1.8	4.5	9.3
Female	.5	-	-	-	-	.0	.0	.1	.2	1.0	3.3	10.9
<b>All other</b>	.2	-	-	-	-	.0	.3	.6	1.2	3.4	5.2	5.2
Male	.2	-	-	-	-	.0	.5	.5	1.5	3.8	3.5	3.5
Female	.3	-	-	-	-	.0	.2	.6	1.0	3.1	6.0	6.0
<b>Black</b>	.3	-	-	-	-	.1	.4	.6	1.5	4.1	6.1	6.1
Male	.3	-	-	-	-	.1	.6	.5	1.8	4.8	4.3	4.3
Female	.3	-	-	-	-	.0	.1	.7	1.2	3.7	7.0	7.0
<b>Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)</b>	104.6	.2	.0	.0	.1	1.1	7.5	32.7	108.8	296.0	871.2	2,930.7
Male	105.4	.1	.0	.0	.2	1.8	12.4	52.2	165.6	425.2	1,126.6	3,174.2
Female	103.9	.3	.1	.0	.0	.4	2.7	14.2	58.2	192.9	715.8	2,834.8
<b>White</b>	113.1	.2	.0	.0	.1	1.0	7.0	30.7	106.3	296.7	884.1	3,042.9
Male	113.4	.1	.0	.0	.1	1.6	11.8	50.0	164.2	431.5	1,155.8	3,327.6
Female	112.9	.4	.0	.0	.0	.4	2.3	12.1	54.1	188.4	720.8	2,994.4
<b>All other</b>	58.9	.1	.1	.0	.3	1.6	10.5	45.1	126.9	290.2	745.9	1,814.1
Male	61.5	.3	.1	.0	.5	2.8	16.7	67.0	176.4	370.6	869.3	1,855.8
Female	56.6	-	.1	-	.6	5.2	26.8	86.5	228.5	669.5	1,794.5	1,794.5
<b>Black</b>	67.8	.2	.1	-	.3	2.0	13.0	53.3	145.4	323.6	826.3	1,906.1
Male	69.2	.3	.1	-	.6	3.3	20.7	79.0	196.2	407.1	952.6	1,952.9
Female	66.5	-	.1	-	-	.7	6.5	32.4	103.4	261.7	750.7	1,897.5
<b>Other diseases of endocardium (424)</b>	4.8	.4	.1	.0	.1	.3	.7	1.4	4.4	13.5	43.3	117.9
Male	4.3	.6	.0	.0	.1	.3	.9	1.9	5.6	17.1	49.2	120.8
Female	5.2	.3	.1	.0	.1	.2	.4	.9	3.3	10.6	39.7	116.8
<b>White</b>	5.2	.4	.1	.0	.1	.2	.5	1.2	4.3	13.6	44.5	123.2
Male	4.6	.5	.0	.0	.1	.3	.7	1.7	5.6	17.4	50.7	126.7
Female	5.7	.3	.1	.0	.1	.2	.3	.7	3.2	10.6	40.7	121.9
<b>All other</b>	2.7	.5	.1	.0	.1	.6	1.6	2.8	4.8	12.3	31.9	65.4
Male	2.8	.8	-	-	.1	.7	2.1	3.6	5.8	14.4	35.4	70.9
Female	2.7	.3	.1	.0	.1	.5	1.1	1.7	4.0	10.7	29.8	62.8
<b>Black</b>	3.0	.7	.0	.0	.1	.7	2.0	3.0	5.2	12.8	33.2	66.8
Male	3.0	1.0	-	-	.1	.8	2.7	4.2	6.3	14.4	36.8	72.9
Female	3.0	.3	.1	.0	-	.6	1.4	2.1	4.4	11.6	31.1	64.6
<b>All other forms of heart disease (415-423,425-429)</b>	67.1	21.2	2.2	.8	2.3	4.6	12.0	37.9	110.1	253.6	667.9	2,150.5
Male	86.8	23.1	2.2	1.0	2.9	6.1	16.9	54.0	155.8	342.0	828.0	2,303.9
Female	87.5	19.2	2.2	.7	1.7	3.1	7.3	22.7	68.4	183.1	570.6	2,089.9
<b>White</b>	87.6	17.8	1.9	.8	1.9	3.5	9.3	31.3	97.2	235.0	641.4	2,160.0
Male	95.8	19.8	1.8	.9	2.4	4.8	13.4	45.4	139.6	321.3	797.6	2,313.5
Female	89.3	15.6	2.0	.6	1.3	2.3	5.2	17.7	58.9	165.7	547.9	2,101.5
<b>All other</b>	84.7	35.5	3.6	1.1	4.0	10.2	28.6	79.7	202.7	409.4	924.0	2,055.4
Male	92.2	36.9	4.0	1.3	4.9	13.4	40.0	112.8	278.2	521.6	1,121.7	2,220.9
Female	77.9	34.2	3.3	.8	3.1	7.2	18.9	52.0	141.0	324.8	800.9	1,977.6
<b>Black</b>	100.8	39.5	4.1	1.2	4.7	12.4	35.8	97.8	238.8	472.8	1,059.6	2,217.0
Male	109.5	40.7	4.4	1.6	5.8	16.6	50.3	140.4	325.9	604.5	1,302.6	2,431.4
Female	92.9	38.2	3.9	.9	3.7	8.6	23.7	63.2	168.5	375.2	914.1	2,136.1

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Table 1-10. Death Rates for 72 Selected Causes, by 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year *	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
<b>Major cardiovascular diseases—Con.</b>												
Hypertension with or without renal disease (401,403)	3.4	0.0	0.0	0.0	0.0	0.1	0.5	1.5	4.2	10.6	28.7	78.4
Male	3.0	—	.0	.0	.0	.2	.6	1.8	4.6	11.7	32.3	77.7
Female	3.9	.1	—	—	—	.1	.4	1.3	3.7	9.7	26.5	78.7
White	3.1	—	.0	.0	.0	.1	.3	.8	2.8	8.7	25.8	74.7
Male	2.7	—	.0	.0	.0	.1	.3	1.0	3.7	10.2	30.0	74.8
Female	3.5	—	—	—	—	.1	.2	.8	2.0	7.5	23.2	74.6
All other	5.3	.1	—	—	.1	.5	1.5	6.1	13.9	28.6	57.1	115.6
Male	4.4	—	—	—	.0	.7	2.0	7.2	12.0	25.1	53.9	102.3
Female	6.1	.3	—	—	.1	.4	1.1	5.2	15.5	27.6	59.2	121.9
Black	6.4	.2	—	—	.1	.7	2.0	7.6	17.0	30.9	66.3	127.1
Male	5.2	—	—	—	.0	.9	2.7	8.8	14.4	28.6	60.7	114.3
Female	7.4	.3	—	—	.1	.5	1.4	6.6	19.1	32.6	69.6	133.5
Cerebrovascular diseases (430-438)	61.2	3.9	.4	.2	.7	2.2	6.9	18.2	51.3	154.7	553.6	1,707.4
Male	49.8	4.2	.4	.2	.8	2.4	7.5	21.0	59.5	178.5	603.2	1,825.6
Female	72.0	3.7	.4	.2	.7	2.1	6.2	17.4	44.0	137.3	523.7	1,738.4
White	62.7	3.0	.3	.2	.7	1.7	5.0	14.9	43.3	142.3	542.0	1,739.4
Male	50.0	3.1	.3	.2	.7	1.8	5.5	16.0	50.4	163.5	590.8	1,867.1
Female	74.9	2.8	.3	.2	.8	1.8	4.5	13.9	37.0	125.3	512.7	1,767.0
All other	53.2	7.9	.6	.2	.8	5.0	17.9	45.8	108.1	259.0	685.6	1,388.8
Male	49.4	8.8	.8	.2	.8	5.7	21.0	54.8	128.0	289.8	717.7	1,268.6
Female	56.6	7.1	.6	.3	.9	4.5	15.2	38.0	91.9	235.7	634.0	1,445.4
Black	61.2	8.8	.6	.3	1.0	6.0	21.9	53.6	124.2	290.6	796.5	1,445.4
Male	56.5	9.5	.5	.2	.9	6.7	25.9	66.6	146.4	325.9	796.3	1,302.9
Female	65.4	8.2	.7	.4	1.1	5.3	18.5	43.0	105.7	264.7	700.7	1,517.7
Intracerebral and other intracranial hemorrhage (431-432)	8.6	1.4	.1	.1	.2	.8	2.6	7.2	14.1	29.4	67.9	109.4
Male	8.1	1.5	.1	.1	.3	1.0	3.2	8.4	16.5	33.5	72.2	111.6
Female	9.1	1.3	.1	.1	.2	.6	2.0	6.1	12.0	26.2	65.3	108.5
White	8.3	.8	.2	.1	.2	.6	1.6	5.0	11.7	27.4	67.3	111.3
Male	7.6	.9	.1	.1	.3	.7	2.0	5.6	13.6	31.1	71.4	114.1
Female	9.1	.7	.2	.1	.2	.4	1.3	4.4	10.0	24.4	64.9	110.3
All other	10.3	3.6	.0	.1	.2	1.9	8.2	21.5	31.6	46.5	73.8	90.7
Male	11.2	3.7	—	.1	.4	2.6	10.8	27.7	38.6	54.1	80.0	90.7
Female	9.5	3.6	—	.1	.1	1.3	6.1	16.4	25.8	40.8	70.0	90.7
Black	11.4	4.0	.0	.1	.3	2.3	10.4	25.4	35.0	47.8	75.3	86.9
Male	12.5	4.0	.1	.0	.5	3.0	13.7	34.0	42.8	55.6	78.7	87.1
Female	10.5	4.1	—	.1	.1	1.7	7.7	18.4	28.5	42.0	73.3	87.3
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9)	8.7	.8	.1	.0	.0	.2	.4	1.6	6.0	21.1	81.0	264.9
Male	6.9	.8	.0	—	.0	.2	.5	2.1	7.3	25.0	87.6	246.9
Female	10.3	.7	.1	.0	.1	.1	.3	1.2	4.8	18.1	77.1	271.7
White	9.1	.6	.1	.0	.0	.1	.3	1.3	6.3	19.8	79.9	272.7
Male	7.1	.8	.0	—	.0	.1	.4	1.7	6.8	23.7	86.0	256.0
Female	10.9	.5	.1	.0	.1	.1	.2	.9	4.2	16.7	76.2	279.1
All other	6.3	1.3	.1	.0	.1	.4	.9	3.5	10.7	32.2	92.4	186.6
Male	5.8	1.1	.1	—	.1	.6	1.5	4.3	12.6	35.6	101.4	186.6
Female	6.8	1.6	.2	.1	.1	.3	.5	2.8	9.1	29.6	86.8	195.1
Black	7.4	1.5	.2	.0	.1	.5	1.1	4.2	12.3	36.5	103.3	200.0
Male	6.7	1.3	.1	—	.1	.8	1.8	5.2	14.6	40.3	115.1	181.4
Female	8.0	1.7	.3	.1	.1	.3	.5	3.5	10.4	33.7	96.3	209.5
Cerebral embolism (434.1)	.3	.0	—	—	—	.0	.0	.1	.3	1.0	2.8	6.9
Male	.3	.1	—	—	—	.0	.0	.1	.3	1.1	3.1	6.5
Female	.3	—	—	—	—	.0	.0	.0	.2	1.0	2.5	7.0
White	.3	.0	—	—	—	.0	.0	.0	.3	1.0	2.9	7.3
Male	.3	.1	—	—	—	.0	.0	.0	.3	1.1	3.3	7.3
Female	.4	—	—	—	—	.0	.0	.0	.2	1.0	2.6	7.3
All other	.2	—	—	—	—	.0	.1	.1	.3	1.0	1.7	3.0
Male	.2	—	—	—	—	—	.0	.2	.6	1.5	1.7	—
Female	.1	—	—	—	—	.0	.1	.1	.7	1.6	4.4	—
Black	.2	—	—	—	—	.0	.1	.1	.3	1.0	1.5	3.5
Male	.2	—	—	—	—	—	.1	.3	.6	1.4	1.5	—
Female	.2	—	—	—	—	.0	.1	—	.1	.8	1.5	5.1
All other and late effects of cerebrovascular diseases (430,433,435-439)	43.6	1.8	.2	.1	.4	1.3	3.9	10.3	30.9	103.2	401.9	1,328.3
Male	34.6	1.9	.2	.1	.4	1.2	3.8	10.5	35.3	117.0	440.3	1,280.5
Female	52.2	1.6	.1	.1	.4	1.3	3.9	10.0	27.0	92.1	378.7	1,351.2
White	45.0	1.5	.1	.1	.4	1.0	3.1	8.6	26.0	94.1	392.0	1,348.1
Male	35.0	1.4	.2	.1	.4	1.0	3.1	8.7	29.9	107.8	430.1	1,289.7
Female	54.5	1.6	.1	.1	.4	1.0	3.1	8.6	22.6	83.3	369.0	1,370.4
All other	36.4	3.0	.4	.1	.6	2.0	8.6	20.5	65.6	179.3	497.8	1,106.6
Male	32.3	4.0	.4	.1	.4	2.5	8.7	22.8	78.2	186.5	534.5	1,039.3
Female	40.2	1.9	.4	.1	.7	2.9	8.6	18.7	56.9	164.7	476.5	1,155.2
Black	42.2	3.2	.4	.2	.6	3.2	10.3	23.9	78.6	205.2	658.3	1,155.0
Male	37.2	4.0	.4	.1	.4	3.0	10.3	27.2	88.4	228.5	691.1	1,034.3
Female	46.8	2.4	.5	.2	.9	3.3	10.3	21.1	66.8	188.1	529.5	1,215.6
Atherosclerosis (440)	9.0	.0	.0	—	.0	.0	.2	.7	3.6	15.1	70.1	398.1
Male	7.0	—	.0	—	.0	.0	.2	1.0	4.9	19.5	81.8	385.2
Female	10.9	.1	—	—	.0	.0	.1	.5	2.5	11.5	63.1	400.1
White	9.8	.0	.0	—	.0	.0	.1	.7	3.4	14.8	69.9	410.9
Male	7.4	—	.0	—	.0	.0	.2	.9	4.7	19.4	81.4	399.6
Female	12.0	.1	—	—	.0	.0	.1	.4	2.2	11.2	61.4	415.3
All other	4.7	—	—	—	—	—	.2	1.2	5.0	17.1	72.2	248.3
Male	4.3	—	—	—	—	.1	.3	1.8	5.8	20.9	85.2	261.6
Female	5.1	—	—	—	—	—	.1	.8	4.4	14.3	64.2	242.1
Black	5.6	—	—	—	—	—	.2	1.4	5.9	19.9	82.9	285.9
Male	5.2	—	—	—	—	.1	.3	2.4	6.7	24.5	101.1	288.6
Female	6.0	—	—	—	—	—	.1	.7	5.3	16.5	72.0	257.6

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Table 1-10. Death Rates for 72 Selected Causes, by 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
<b>Major cardiovascular diseases—Con.</b>												
Other diseases of arteries, arterioles, and capillaries (441-448)	9.4	0.2	0.0	0.0	0.2	0.4	1.0	2.9	12.3	38.6	82.0	150.9
Male	11.5	.4	.0	.1	.2	.5	1.3	3.7	18.6	59.2	127.8	216.0
Female	7.4	.1	.0	.0	.2	.3	.7	2.1	6.7	22.2	54.3	125.6
White	10.2	.2	.0	.0	.2	.4	.8	2.6	12.1	39.7	84.1	154.7
Male	12.6	.4	—	.1	.2	.5	1.1	3.4	18.7	61.5	133.2	229.0
Female	7.9	—	.0	.0	.2	.3	.5	1.9	6.2	22.1	54.6	126.4
All other	5.5	.3	.0	.0	.2	.7	2.1	4.7	13.7	29.7	61.6	113.4
Male	5.9	.3	.1	.0	.2	.7	2.8	6.0	18.1	38.8	76.8	104.7
Female	5.1	.3	—	.0	.1	.7	1.5	3.5	10.0	22.8	52.1	117.5
Black	6.2	.2	—	.0	.2	.8	2.6	5.4	15.1	32.3	65.7	115.7
Male	6.4	.3	—	.0	.3	.8	3.6	7.2	18.5	41.5	78.7	97.1
Female	5.9	—	—	.0	.2	.8	1.8	3.8	11.5	25.4	57.9	124.7
Acute bronchitis and bronchiolitis (466)	.3	1.9	.2	.0	.0	.0	.0	.1	.2	.6	1.6	6.5
Male	.2	2.4	.2	.0	.0	.0	.0	.1	.2	.7	1.8	6.4
Female	.3	1.3	.1	.0	.0	.0	.0	.1	.2	.4	1.4	6.6
White	.3	1.4	.2	.0	.0	.0	.0	.1	.2	.6	1.6	6.8
Male	.2	1.8	.2	.0	.0	.0	.0	.1	.2	.8	1.9	6.9
Female	.3	1.0	.1	.0	.0	.0	.0	.1	.3	.4	1.5	6.7
All other	.2	3.8	.1	.0	.0	.0	.0	.1	.1	.3	.9	4.5
Male	.2	4.8	.2	.0	—	.0	.2	—	.1	.2	1.2	2.3
Female	.2	2.7	.1	.1	.0	.0	.0	.1	.1	.4	.7	5.5
Black	.2	3.9	.1	.1	.0	.0	.0	.1	.1	.3	1.1	4.4
Male	.2	5.3	.2	.0	—	.0	—	.2	.2	.3	1.5	2.9
Female	.2	2.4	.1	.1	.0	.0	.0	.1	.1	.3	.9	5.1
Pneumonia and influenza (480-487)	31.6	16.6	1.3	.4	.7	1.9	3.8	7.3	18.9	59.9	257.1	1,124.5
Male	30.8	19.3	1.2	.4	.8	2.4	5.1	10.0	25.1	82.5	352.4	1,428.2
Female	32.4	13.8	1.3	.3	.7	1.5	2.5	4.8	13.3	41.8	199.6	1,005.9
White	33.5	12.4	1.1	.3	.6	1.4	2.8	5.7	16.9	57.8	280.0	1,168.7
Male	31.8	14.9	1.1	.4	.6	1.7	3.7	7.3	22.0	79.4	354.9	1,490.9
Female	35.2	9.8	1.2	.3	.6	1.1	1.9	4.1	12.3	40.5	202.9	1,046.0
All other	21.1	34.1	1.8	.5	1.2	4.8	9.9	17.8	33.3	78.9	229.3	683.6
Male	24.9	37.7	1.7	.5	1.3	6.0	14.5	28.1	48.8	108.9	328.1	889.5
Female	17.5	30.6	1.9	.4	1.1	3.6	6.0	9.1	20.6	52.6	167.5	586.9
Black	23.8	37.8	2.0	.5	1.4	6.0	12.6	21.4	38.1	84.2	245.9	680.3
Male	28.3	41.0	2.0	.6	1.5	7.7	18.8	35.0	55.5	120.0	355.1	881.4
Female	19.8	34.5	2.0	.4	1.2	4.5	7.4	10.4	23.8	57.6	180.4	595.6
Pneumonia (480-486)	30.0	16.5	1.2	.4	.7	1.9	3.8	7.2	18.6	58.8	251.2	1,089.2
Male	30.2	19.1	1.1	.4	.8	2.4	5.1	9.8	24.9	81.2	346.1	1,394.9
Female	31.4	13.6	1.3	.3	.8	1.5	2.5	4.7	13.0	40.9	193.9	970.0
White	32.6	12.3	1.1	.3	.8	1.4	2.8	5.5	16.6	58.7	253.8	1,130.8
Male	31.2	14.8	1.0	.4	.8	1.7	3.7	7.2	21.7	78.1	348.2	1,454.3
Female	34.0	9.7	1.2	.3	.5	1.0	1.9	4.0	12.0	38.6	1,007.5	1,007.5
All other	20.9	33.7	1.7	.5	1.2	4.7	9.8	17.6	33.1	78.1	227.4	675.5
Male	24.7	37.4	1.5	.5	1.3	5.9	14.4	27.9	48.7	108.3	325.2	884.9
Female	17.3	30.1	1.9	.4	1.1	3.6	6.0	9.1	20.4	51.7	166.2	577.0
Black	23.6	37.4	1.9	.5	1.4	5.9	12.5	21.3	37.9	83.3	243.8	672.1
Male	28.1	41.0	1.8	.6	1.5	7.6	18.8	34.7	55.5	119.2	351.8	878.6
Female	19.5	33.8	2.0	.4	1.2	4.4	7.3	10.4	23.2	56.7	179.1	584.8
Influenza (487)	.8	.2	.1	.0	.0	.0	.0	.1	.3	1.1	5.9	35.2
Male	.8	.2	.1	.0	.0	.0	.0	.2	.3	1.2	6.4	33.3
Female	1.0	.2	.0	.0	.0	.0	.1	.1	.3	1.0	5.7	36.0
White	.9	.1	.1	.0	.0	.0	.0	.1	.3	1.1	6.4	38.0
Male	.6	.1	.1	.0	.0	.0	.0	.1	.3	1.3	6.7	36.7
Female	1.2	.1	.0	.0	.0	.0	.1	.1	.3	1.0	6.1	38.5
All other	.2	.4	.1	—	—	.1	.1	.1	.2	.8	1.9	8.2
Male	.2	.3	.2	—	—	.1	.0	.3	.1	.6	2.9	4.7
Female	.2	.5	—	—	—	.1	.1	.3	.3	.9	1.3	9.8
Black	.2	.9	.1	—	—	.1	.1	.2	.2	.8	2.1	8.3
Male	.2	—	.3	—	—	.2	.1	.3	—	.8	3.3	2.9
Female	.3	.7	—	—	—	.1	.1	—	.3	.9	1.3	10.8
Chronic obstructive pulmonary diseases and allied conditions (490-496)	33.7	1.4	.3	.3	.5	.7	1.8	9.3	48.8	151.9	313.0	394.3
Male	40.9	1.7	.3	.4	.5	.7	1.9	10.2	59.9	205.9	504.8	776.8
Female	26.9	1.2	.3	.2	.4	.7	1.7	8.5	39.0	108.8	197.3	245.5
White	37.0	1.1	.2	.2	.3	.5	1.3	8.7	49.8	157.9	326.7	413.0
Male	44.2	1.4	.3	.2	.3	.4	1.4	9.4	60.2	210.7	521.6	820.0
Female	30.0	.8	.1	.1	.3	.5	1.3	8.1	40.4	115.6	209.5	258.0
All other	16.1	2.7	.6	.7	1.1	1.8	4.4	13.1	42.0	101.1	181.2	207.4
Male	22.4	2.7	.4	.8	1.5	2.2	5.2	15.9	57.3	164.4	345.8	405.8
Female	10.3	2.7	.8	.6	.8	1.4	3.6	10.8	29.5	53.3	77.7	114.2
Black	18.1	3.0	.7	.8	1.3	2.1	5.6	15.9	48.1	111.6	190.5	199.1
Male	25.4	3.0	.5	.9	1.6	2.6	6.7	19.7	65.1	184.5	373.2	410.0
Female	11.5	3.1	.9	.8	.9	1.7	4.6	12.8	33.9	57.4	81.1	107.0
Bronchitis, chronic and unspecified (480-491)	1.5	1.1	.1	.0	.0	.1	.1	.4	1.9	5.7	13.1	27.1
Male	1.7	1.3	.1	.0	.0	.0	.1	.4	2.0	7.8	20.2	40.2
Female	1.4	.9	.1	.0	.0	.1	.1	.3	1.8	4.3	6.8	22.0
White	1.7	.9	.1	.0	.0	.0	.1	.4	2.0	6.0	13.9	28.8
Male	1.8	1.2	.1	.0	.0	.0	.1	.4	2.1	7.8	21.3	43.2
Female	1.5	.7	.1	.0	.0	.0	.1	.3	2.0	4.6	9.5	23.4
All other	.6	1.9	.2	.0	.0	.1	.2	.3	1.4	3.3	5.5	10.0
Male	.8	1.9	.1	.0	.0	.1	.2	.4	1.7	5.6	10.1	15.1
Female	.4	1.9	.3	—	.0	.1	.3	.2	1.1	1.6	2.6	7.7
Black	.8	2.4	.2	.0	.0	.1	.3	.3	1.6	3.5	5.2	9.2
Male	.8	2.3	.2	.0	.0	.1	.3	.4	2.1	5.9	10.3	14.3
Female	.5	2.4	.3	—	.0	.1	.3	.1	1.3	1.7	2.2	7.0

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Table 1-10. Death Rates for 72 Selected Causes, by 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
<b>Chronic obstructive pulmonary diseases and allied conditions-Con.</b>												
Emphysema (492)	6.3	0.1	-	-	0.0	0.0	0.2	1.7	10.5	32.1	56.4	54.7
Male	8.1	.1	-	-	.0	.1	.3	1.9	13.5	44.1	97.9	121.5
Female	4.6	.1	-	-	.0	.0	.1	1.5	7.9	22.4	31.4	28.8
White	7.0	.0	-	-	.0	.0	.2	1.7	11.0	33.8	59.1	57.9
Male	8.8	.1	-	-	.0	.0	.2	1.9	13.8	45.4	101.2	128.8
Female	5.3	-	-	-	.0	.0	.1	1.6	8.5	24.5	33.8	30.9
All other	2.4	.3	-	-	-	.1	.4	1.3	6.9	17.4	30.0	23.4
Male	4.0	.3	-	-	-	.2	.8	1.9	10.6	32.8	66.4	58.1
Female	1.0	.3	-	-	-	.1	.1	.8	3.9	5.7	7.1	7.1
Black	2.7	.3	-	-	-	.2	.5	1.6	7.6	19.3	32.2	21.4
Male	4.5	.3	-	-	-	.3	1.0	2.4	11.5	37.1	74.3	61.4
Female	1.1	.3	-	-	-	.1	.1	.9	4.4	6.0	7.0	8.2
Asthma (493)	1.9	.2	0.1	0.3	.4	.6	1.0	1.8	3.6	6.1	10.4	14.6
Male	1.5	.2	.2	.3	.5	.5	.8	1.4	3.0	5.6	9.9	13.7
Female	2.2	.1	.1	.2	.4	.5	1.1	2.2	4.1	6.5	10.7	14.9
White	1.7	.1	.1	.2	.3	.4	.7	1.3	2.9	5.5	10.2	15.0
Male	1.3	.1	.1	.2	.3	.3	.6	1.0	2.3	5.0	9.3	14.2
Female	2.1	.1	.0	.1	.3	.4	.8	1.6	3.5	5.9	10.8	15.3
All other	2.9	.4	.3	.7	1.1	1.4	2.9	5.0	8.5	11.2	12.3	10.4
Male	2.9	.5	.3	.8	1.4	1.7	2.7	4.4	8.5	10.9	15.4	9.3
Female	3.0	.3	.4	.6	.7	1.1	3.0	5.5	8.5	11.5	10.4	10.9
Black	3.4	.2	.4	.8	1.2	1.7	3.6	5.9	9.8	12.2	12.4	11.4
Male	3.2	.3	.4	.8	1.6	2.1	3.5	5.2	9.5	11.8	14.3	10.0
Female	3.5	-	.5	.8	.8	1.4	3.7	6.4	10.1	12.4	11.2	12.0
<b>Other chronic obstructive pulmonary diseases and allied conditions (494-496)</b>												
	24.0	.1	.0	.0	.0	.1	.5	5.5	32.8	108.0	233.1	297.9
Male	29.6	.1	.0	.0	.0	.1	.6	6.5	41.4	148.6	376.9	601.5
Female	18.7	.1	.1	.0	.0	.1	.4	4.6	25.1	75.5	146.9	178.8
White	26.6	.0	.0	.0	.0	.1	.4	5.3	33.9	112.6	243.4	311.3
Male	32.3	.1	.0	.0	.0	.1	.5	6.1	42.1	152.4	389.8	633.6
Female	21.1	.0	.0	.0	.0	.0	.4	4.6	26.5	80.6	155.4	186.5
All other	10.2	.1	.1	.0	.0	.1	.9	6.6	25.2	69.2	133.4	163.6
Male	14.8	-	.0	.0	.0	.1	1.4	9.1	36.5	115.1	253.0	323.3
Female	5.9	.3	.1	.0	.1	.1	4.4	15.9	34.5	57.6	88.5	88.5
Black	11.4	.2	.1	.0	.0	.1	1.2	8.1	29.0	76.7	140.6	157.2
Male	16.9	.3	.2	.0	.1	.1	1.9	11.6	42.1	129.7	274.3	334.3
Female	6.6	.3	.2	.0	.1	.1	.6	5.3	18.1	37.4	60.6	79.7
<b>Ulcer of stomach and duodenum (531-533)</b>												
	2.6	.4	.0	.0	.0	.1	.4	1.1	3.0	7.9	22.5	58.7
Male	2.7	.4	.0	.0	.0	.1	.6	1.4	4.1	10.6	27.8	71.8
Female	2.6	.4	.0	.0	.0	.0	.2	.7	2.1	5.0	19.2	53.7
White	2.8	.3	.0	.0	.0	.1	.3	1.0	2.8	7.9	23.1	61.1
Male	2.8	.3	.0	.0	.0	.1	.4	1.3	3.8	10.5	28.5	75.5
Female	2.8	.3	.0	.0	.0	.0	.2	.7	1.9	5.8	19.9	55.7
All other	1.7	.9	.0	.0	.0	.3	.9	1.6	4.5	8.0	16.6	34.6
Male	2.0	.8	.1	.0	.1	.6	1.5	2.3	6.1	11.6	22.0	38.4
Female	1.4	1.1	-	-	.1	.0	.4	1.0	3.2	5.3	13.2	32.8
Black	1.9	1.2	.0	.0	.1	.4	1.1	1.8	5.0	6.3	16.9	32.8
Male	2.3	1.0	.1	.0	.1	.7	1.9	2.8	6.7	12.9	21.3	34.3
Female	1.5	1.4	-	-	.1	.0	.5	1.1	3.7	5.0	14.3	32.3
<b>Appendicitis (540-543)</b>												
	.2	.1	.0	.1	.0	.0	.1	.1	.3	.6	1.3	2.8
Male	.2	.2	.0	.1	.0	.0	.1	.2	.4	.7	1.6	3.5
Female	.2	-	.1	.0	.0	.0	.0	.0	.2	.5	1.1	2.5
White	.2	.1	.0	.0	.0	.0	.1	.1	.2	.5	1.2	2.7
Male	.2	.2	.0	.1	.0	.0	.1	.1	.3	.8	1.4	3.2
Female	.2	-	.1	.0	.0	.0	.0	.0	.2	.4	1.1	2.5
All other	.3	-	.1	.1	.0	.0	.1	.4	.8	1.1	2.2	3.3
Male	.3	-	.1	.1	.0	.0	.3	.7	1.0	1.2	3.2	5.8
Female	.2	-	.1	.1	.1	.0	.2	.7	1.0	1.8	2.2	2.2
Black	.3	-	.1	.1	.1	.0	.2	.5	1.0	1.2	2.6	3.9
Male	.4	-	.1	.1	.0	.0	.3	.8	1.1	1.4	4.0	7.1
Female	.3	-	.1	.1	.1	.0	.2	.9	1.1	1.8	2.5	2.5
<b>Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)</b>												
	2.3	2.0	.2	.1	.1	.1	.2	.6	1.7	5.0	10.4	70.1
Male	1.7	1.8	.2	.1	.1	.1	.3	.7	1.9	5.2	19.5	61.5
Female	2.8	2.2	.1	.0	.0	.1	.2	.6	1.5	4.9	19.4	73.4
White	2.3	1.6	.1	.0	.0	.1	.2	.5	1.5	4.7	19.1	71.0
Male	1.7	1.4	.1	.1	.0	.1	.2	.8	1.7	4.7	18.7	61.2
Female	3.0	1.7	.1	.0	.0	.1	.1	.4	1.3	4.7	19.3	74.8
All other	1.9	3.8	.3	.1	.1	.2	.5	1.5	3.0	7.8	23.0	60.6
Male	1.8	3.4	.4	.1	.1	.1	.5	1.8	3.2	8.6	26.4	64.0
Female	2.0	4.1	.1	.1	.1	.2	.4	1.3	2.8	8.5	20.8	59.0
Black	2.3	4.6	.4	.1	.1	.2	.6	2.0	3.6	9.0	26.4	67.2
Male	2.2	4.3	.5	.1	.1	.2	.6	2.4	3.9	11.2	30.5	68.6
Female	2.4	4.8	.2	.1	.1	.2	.5	1.6	3.4	7.4	24.0	67.1
<b>Chronic liver disease and cirrhosis (571)</b>												
	10.7	.5	.0	.0	.1	2.4	10.1	19.8	32.0	35.0	32.4	20.0
Male	14.4	.6	.0	.0	.2	3.2	14.9	29.1	45.7	48.7	43.8	33.8
Female	7.3	.5	.0	.0	.1	1.6	5.4	11.0	19.8	24.1	25.5	14.6
White	10.6	.5	.0	.0	.1	1.9	8.3	17.6	31.0	35.3	33.0	20.8
Male	14.2	.4	.0	.0	.1	2.7	12.5	26.1	44.5	49.5	45.0	36.1
Female	7.1	.5	.0	.0	.1	1.1	4.0	9.4	16.9	24.0	25.7	15.0
All other	11.7	.8	.1	-	.3	6.0	20.9	33.7	38.6	32.3	26.0	11.9
Male	15.3	1.3	.1	-	.3	6.4	30.3	49.4	54.5	42.6	32.5	14.0
Female	8.3	.3	.1	-	.3	3.8	12.9	20.5	25.6	24.5	23.2	10.9
Black	12.9	1.0	.1	-	.3	5.8	25.1	37.8	41.9	34.1	27.1	12.2
Male	17.3	1.7	.2	-	.3	7.4	36.9	56.9	59.4	45.2	33.5	14.3
Female	9.0	.3	-	-	.3	3.9	15.3	22.2	27.4	26.0	23.3	11.4





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Table 1-10. Death Rates for 72 Selected Causes, by 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year *	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
Complications of pregnancy, childbirth, and the puerperium (630-676)	0.1	...	...	...	0.3	0.3	0.2	0.0	...	...	...	...
Male	...	...	...	...	0.6	0.7	0.4	0.0	...	...	...	...
Female	...	...	...	...	0.2	0.3	0.1	...	...	...	...	...
White	...	...	...	...	0.4	0.5	0.2	...	...	...	...	...
Male	...	...	...	...	0.8	0.8	0.7	0.1	...	...	...	...
Female	...	...	...	...	1.6	1.6	1.3	0.1	...	...	...	...
All other	...	...	...	...	0.9	0.9	0.8	0.1	...	...	...	...
Male	...	...	...	...	1.8	1.7	1.4	0.1	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy with abortive outcome (630-638)	0.0	...	...	...	0.1	0.1	0.0	...	...	...	...	...
Male	...	...	...	...	0.1	0.1	0.1	...	...	...	...	...
Female	...	...	...	...	0.0	0.0	0.0	...	...	...	...	...
White	...	...	...	...	0.1	0.1	0.0	...	...	...	...	...
Male	...	...	...	...	0.2	0.2	0.2	...	...	...	...	...
Female	...	...	...	...	0.4	0.4	0.4	...	...	...	...	...
All other	...	...	...	...	0.2	0.2	0.3	...	...	...	...	...
Male	...	...	...	...	0.4	0.4	0.5	...	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...	...	...
Black	...	...	...	...	0.2	0.2	0.3	...	...	...	...	...
Male	...	...	...	...	0.4	0.4	0.5	...	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...	...	...
Other complications of pregnancy, childbirth, and the puerperium (640-676)	0.1	...	...	...	0.2	0.3	0.2	0.0	...	...	...	...
Male	...	...	...	...	0.5	0.6	0.3	0.0	...	...	...	...
Female	...	...	...	...	0.2	0.2	0.1	...	...	...	...	...
White	...	...	...	...	0.3	0.5	0.2	...	...	...	...	...
Male	...	...	...	...	0.6	0.6	0.5	0.1	...	...	...	...
Female	...	...	...	...	1.2	1.2	0.9	0.1	...	...	...	...
All other	...	...	...	...	0.7	0.7	0.5	0.1	...	...	...	...
Male	...	...	...	...	1.4	1.2	1.0	0.1	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...	...	...
Black	...	...	...	...	...	...	...	...	...	...	...	...
Male	...	...	...	...	...	...	...	...	...	...	...	...
Female	...	...	...	...	...	...	...	...	...	...	...	...
Congenital anomalies (740-759)	5.2	211.0	8.3	1.4	1.3	1.1	1.2	1.4	2.0	2.7	4.4	5.6
Male	5.7	221.9	8.8	1.6	1.4	1.1	1.3	1.5	2.0	2.7	5.1	7.0
Female	4.7	199.5	5.6	1.3	1.1	1.0	1.0	1.3	1.9	2.8	4.0	5.0
White	5.0	206.7	6.2	1.4	1.3	1.0	1.1	1.4	2.0	2.8	4.8	5.7
Male	5.4	217.3	6.9	1.6	1.4	1.2	1.3	1.6	2.0	2.8	5.4	7.0
Female	4.6	195.6	5.4	1.2	1.2	0.9	0.9	1.2	2.0	2.8	4.1	5.2
All other	6.3	228.4	6.6	1.6	1.2	1.2	1.5	1.4	2.0	2.5	3.0	4.8
Male	7.0	241.4	6.5	1.8	1.7	1.1	1.9	1.1	2.5	2.2	2.9	7.0
Female	5.7	215.6	6.6	1.3	0.7	1.2	1.2	1.5	1.6	2.7	3.1	3.8
Black	6.7	297.8	6.7	1.6	1.3	1.4	1.9	1.4	2.3	2.6	2.8	4.8
Male	7.5	249.0	7.0	1.9	1.8	1.3	2.3	1.1	3.0	2.3	2.6	7.1
Female	6.0	228.3	6.4	1.4	0.7	1.5	1.5	1.6	1.7	2.8	2.9	3.8
Certain conditions originating in the perinatal period (760-779)	7.4	467.4	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Male	8.7	520.2	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Female	6.2	411.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White	5.4	354.9	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Male	6.4	400.7	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Female	4.4	306.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All other	18.3	937.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Male	21.3	1,027.3	2.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Female	15.5	847.8	0.9	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Black	21.9	1,107.3	1.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Male	25.8	1,220.0	2.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Female	18.4	991.8	0.9	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769)	1.7	108.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Male	2.1	125.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Female	1.4	90.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White	1.4	90.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Male	1.7	107.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Female	1.1	72.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All other	3.5	181.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Male	4.1	200.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Female	3.0	163.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black	4.2	210.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Male	4.9	232.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Female	3.5	188.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other conditions originating in the perinatal period (760-765,770-779)	5.7	359.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Male	6.6	394.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Female	4.8	321.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White	4.0	264.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Male	4.7	292.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Female	3.4	234.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All other	14.7	756.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Male	17.2	827.3	1.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Female	12.5	684.7	0.7	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Black	17.7	896.8	1.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Male	20.9	987.7	2.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Female	14.9	603.8	0.8	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0

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Table 1-10. Death Rates for 72 Selected Causes, by 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
Symptoms, signs, and ill-defined conditions (780-789)	12.6	168.1	2.0	0.5	2.3	4.8	6.2	6.8	11.8	23.2	54.5	176.3
Male	14.2	185.4	2.3	.6	3.0	6.9	8.6	9.1	16.1	31.1	67.4	184.7
Female	11.1	139.4	1.8	.4	1.5	2.8	4.0	4.6	8.0	16.9	46.7	169.1
White	11.6	139.3	1.8	.4	2.0	3.9	4.7	5.6	10.6	21.6	52.6	174.5
Male	12.8	167.6	2.0	.4	2.8	5.6	6.4	7.3	14.3	28.9	64.4	190.5
Female	10.5	109.6	1.5	.3	1.2	2.2	3.0	3.9	7.3	15.8	45.6	168.4
All other	17.9	288.2	3.2	.9	3.5	9.7	15.4	14.2	20.3	36.2	72.5	194.4
Male	21.9	313.3	3.5	1.2	4.1	13.8	22.3	21.0	30.0	49.8	95.7	230.2
Female	14.3	283.1	2.9	.8	2.9	6.0	9.5	8.5	12.4	26.0	58.0	177.6
Black	21.0	323.4	3.6	1.0	3.9	11.3	19.4	17.1	24.1	43.0	83.9	212.2
Male	25.8	350.0	4.2	1.4	4.6	16.1	28.5	25.3	35.0	59.2	113.6	255.7
Female	16.8	206.2	3.0	.8	3.2	7.0	11.8	10.5	15.0	30.9	66.1	194.3
All other diseases (Residual)	68.3	43.0	8.0	2.7	4.9	9.7	19.4	35.4	75.7	178.1	528.5	1,501.1
Male	65.6	47.3	6.5	2.7	6.0	11.9	25.9	43.9	92.6	216.8	633.1	1,665.1
Female	70.9	38.5	5.5	2.8	3.8	7.5	13.2	27.3	60.6	147.2	463.3	1,436.7
White	69.5	35.7	5.6	2.6	4.4	7.7	14.7	29.3	69.3	171.8	523.3	1,521.9
Male	65.2	39.5	6.1	2.6	5.6	9.7	19.3	35.8	84.6	208.7	623.4	1,695.7
Female	78.6	31.8	5.2	2.6	3.2	5.7	10.1	23.0	55.5	142.2	462.8	1,455.7
All other	62.1	73.5	7.5	3.3	7.0	19.8	47.8	73.8	121.4	230.7	558.9	1,294.1
Male	67.6	80.6	8.2	3.1	7.6	23.9	68.3	96.9	153.0	287.2	666.4	1,402.3
Female	57.1	66.4	6.7	3.6	6.4	16.0	30.3	52.7	95.6	187.9	492.1	1,243.2
Black	72.2	80.1	8.2	3.7	7.9	23.8	59.8	88.4	138.4	280.1	622.2	1,367.7
Male	78.6	88.7	9.4	3.5	8.7	29.4	86.3	120.9	174.9	325.3	745.2	1,485.7
Female	66.3	71.3	7.0	3.9	7.1	18.8	37.6	62.0	109.9	211.7	548.5	1,324.1
Accidents and adverse effects (E800-E949)	39.5	24.3	19.6	12.2	49.5	39.3	32.8	31.1	35.1	50.1	106.5	267.3
Male	55.0	26.8	23.1	15.7	75.1	60.0	51.0	47.0	51.2	68.6	143.7	374.5
Female	24.8	21.6	15.9	8.4	23.3	16.6	15.0	16.0	20.7	35.4	84.1	225.5
White	39.1	20.5	17.7	11.4	52.0	37.4	30.5	29.0	32.9	47.8	105.0	270.7
Male	53.7	22.5	20.9	14.9	78.5	58.4	47.0	42.9	47.0	64.0	139.9	378.9
Female	25.2	18.3	14.3	7.0	24.8	16.0	14.0	15.8	20.2	34.8	84.0	229.4
All other	41.7	40.1	27.5	15.3	38.2	42.8	46.5	44.1	50.8	69.4	121.6	233.8
Male	62.1	45.1	32.6	19.3	59.9	68.4	78.7	74.5	82.6	108.4	178.6	337.2
Female	23.0	35.0	22.3	11.1	16.6	19.6	20.8	18.8	24.8	40.0	85.9	185.2
Black	44.7	47.4	30.1	16.4	36.6	46.0	53.0	50.2	54.7	73.3	128.5	238.4
Male	67.1	53.3	35.6	21.1	58.7	73.9	89.3	88.6	89.5	114.7	192.3	347.1
Female	24.4	41.3	24.5	11.5	15.0	21.0	22.7	20.7	26.0	42.6	90.3	191.8
Motor vehicle accidents (E810-E825)	20.0	5.6	6.9	7.0	38.5	23.9	17.4	15.8	15.7	19.2	30.2	29.1
Male	28.6	6.0	7.3	8.7	56.8	36.2	25.8	22.5	21.5	25.5	43.5	60.0
Female	11.8	5.2	6.5	5.2	20.1	11.6	9.3	9.5	10.5	14.1	22.1	17.1
White	20.2	5.5	6.5	7.0	41.3	24.0	16.8	15.4	15.3	18.8	30.5	29.2
Male	28.7	5.8	6.9	8.7	60.3	36.1	24.6	21.5	20.5	24.2	43.4	59.3
Female	12.1	5.3	6.2	5.2	21.8	11.7	9.1	9.5	10.5	14.5	22.9	17.7
All other	18.5	5.8	8.3	7.1	26.1	23.4	20.9	18.3	18.6	21.9	26.4	29.6
Male	28.0	6.9	8.8	8.6	39.8	36.8	33.4	29.3	28.7	36.3	44.3	68.3
Female	9.8	4.6	7.8	5.6	12.4	11.1	10.3	9.1	10.4	11.0	15.2	10.9
Black	18.6	6.6	8.3	7.6	24.2	24.0	22.5	19.4	19.0	21.3	25.8	27.5
Male	29.9	7.7	9.2	9.5	38.0	38.3	37.3	32.2	30.2	37.0	45.2	65.7
Female	9.3	5.5	7.5	5.6	10.7	11.1	10.1	8.9	9.7	9.6	14.1	10.8
All other accidents and adverse effects (E800-E807,E826-E849)	19.5	18.7	12.7	5.2	11.0	14.4	15.3	15.3	19.4	31.0	76.4	238.2
Male	26.4	20.9	15.9	7.1	18.6	23.8	25.2	24.5	29.7	43.1	100.2	314.5
Female	13.1	18.4	9.4	3.2	3.2	5.0	5.7	6.6	10.2	21.3	62.0	208.4
White	18.9	15.0	11.1	4.4	10.7	13.4	13.6	13.6	17.6	29.0	74.4	241.5
Male	25.0	16.8	14.0	6.2	18.2	22.4	22.4	21.4	26.5	39.8	96.5	319.6
Female	13.0	13.1	8.1	2.6	3.0	4.4	4.9	8.0	9.8	20.3	61.1	211.8
All other	23.2	34.3	19.2	8.1	12.1	19.4	25.8	25.9	32.2	47.6	95.2	205.2
Male	34.1	38.2	23.8	10.7	20.1	31.5	43.3	45.2	54.0	72.1	134.2	270.9
Female	13.2	30.3	14.5	5.5	4.2	8.4	10.4	9.7	14.5	29.0	70.7	174.3
Black	26.0	40.8	21.8	8.8	12.4	22.0	30.8	30.8	35.7	52.0	102.9	210.9
Male	39.2	45.7	26.4	11.6	20.7	35.6	52.1	54.3	59.2	77.7	147.1	281.4
Female	15.1	35.8	17.0	5.9	4.3	8.8	12.5	11.8	16.2	33.0	76.2	181.0
Suicide (E950-E959)	12.4	...	...	.7	13.2	15.4	14.8	14.6	15.8	18.4	25.8	20.5
Male	20.1	...	...	1.0	21.9	26.0	22.9	21.7	25.0	33.0	57.2	60.4
Female	5.0	...	...	.4	4.2	5.7	6.9	7.9	7.2	6.8	6.8	5.0
White	13.4	...	...	.7	14.1	16.0	15.7	15.8	16.9	19.8	27.7	21.9
Male	21.7	...	...	1.1	23.4	25.7	24.1	23.2	27.0	35.4	61.5	65.8
Female	5.5	...	...	.4	4.6	6.1	7.4	8.6	7.9	7.3	7.4	5.3
All other	6.8	...	...	.8	8.1	12.3	9.0	7.4	6.0	7.0	8.3	6.3
Male	11.4	...	...	.9	15.4	21.3	14.8	11.8	10.5	12.6	17.1	14.0
Female	2.8	...	...	.4	2.8	4.0	4.0	3.8	2.3	2.8	2.7	2.7
Black	6.7	...	...	.5	8.5	12.4	9.4	7.4	6.2	6.7	7.4	3.1
Male	11.5	...	...	.8	14.5	22.1	16.4	11.7	10.8	12.9	17.6	10.0
Female	2.4	...	...	.5	2.6	3.8	3.5	3.8	2.5	2.0	1.3	-
Homicide and legal intervention (E960-E978)	9.0	8.2	2.8	1.3	15.4	16.0	10.9	7.1	5.2	4.2	4.5	4.7
Male	14.0	7.6	2.9	1.5	24.7	24.7	17.3	11.4	8.2	5.9	6.3	7.3
Female	4.2	8.7	2.3	1.1	6.0	7.3	4.6	3.1	2.5	2.9	3.5	3.7
White	5.3	5.8	1.9	.9	7.8	6.9	6.8	5.0	3.9	3.1	3.4	3.5
Male	7.9	5.6	2.2	1.0	11.5	13.2	10.4	7.6	6.0	4.1	4.3	5.1
Female	2.9	6.0	1.6	.8	3.9	4.4	3.2	2.5	2.0	2.3	3.0	2.9
All other	20.5	18.1	5.6	3.1	49.6	53.0	35.2	20.4	14.3	14.0	15.2	16.4
Male	47.5	16.4	6.0	3.6	84.4	87.8	62.2	36.7	24.7	21.7	25.8	25.6
Female	11.2	19.9	5.3	2.6	15.0	21.4	12.1	6.8	5.9	8.1	8.8	12.0
Black	34.4	21.4	6.9	3.6	59.1	64.8	44.0	24.5	16.8	16.4	17.8	18.3
Male	58.0	19.3	7.5	4.2	101.8	108.8	78.2	45.2	28.1	26.2	30.5	31.4
Female	13.2	29.5	6.3	3.1	17.4	25.5	14.8	7.7	6.8	8.0	9.9	12.7

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**Table 1-10. Death Rates for 72 Selected Causes, by 10-Year Age Groups, Race, and Sex: United States, 1988—Con.**

[Rates per 100,000 population in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total <sup>1</sup>	Under 1 year <sup>2</sup>	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
All other external causes (E980-E999) .....	1.2	1.1	0.4	0.2	1.2	2.1	1.8	1.2	0.9	1.1	1.1	2.1
Male .....	1.8	1.4	.3	.3	1.8	3.1	2.8	1.8	1.3	1.5	1.9	3.4
Female .....	.7	.7	.4	.1	.6	1.0	.9	.6	.6	.8	.6	1.6
White .....	1.1	.7	.2	.2	1.0	1.7	1.6	1.1	.8	1.0	1.1	2.1
Male .....	1.6	.8	.2	.3	1.6	2.7	2.3	1.6	1.1	1.4	1.8	3.4
Female .....	.6	.6	.3	.1	.5	.8	.8	.7	.6	.7	.6	1.5
All other .....	2.0	2.7	.9	.3	1.9	3.7	3.3	1.8	1.7	1.6	1.5	2.2
Male .....	3.2	4.0	.8	.4	2.8	5.9	5.7	3.4	2.9	2.3	2.3	3.5
Female .....	1.0	1.4	1.0	.1	.9	1.7	1.2	.4	.7	1.1	.9	1.6
Black .....	2.4	3.2	1.0	.4	2.1	4.3	4.0	2.2	1.8	1.9	1.5	2.6
Male .....	3.8	4.7	1.0	.5	3.1	7.2	7.1	4.4	3.1	2.7	2.6	4.3
Female .....	1.1	1.7	1.1	.2	1.0	1.8	1.4	.5	.8	1.4	.9	1.9

<sup>1</sup> Figures for age not stated included in "Total" but not distributed among age groups.

<sup>2</sup> Death rates under 1 year (based on population counts or estimates) differ from infant mortality rates (based on live births); see Technical Appendix.

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Table 1-11. Death Rates by Place of Occurrence: United States and Each Geographic Division, 1900-1988

[Prior to 1933, data are for death-registration States only. Rates per 1,000 population in each area. Average rates computed from 5-year totals of deaths occurring in the area and corresponding population. Rates are shown for each division from the period when the division as a whole became part of the death-registration area. Data by place of occurrence include deaths of nonresidents of the United States]

Year	Geographic division									
	United States 1	New England 2	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
1988	8.8	9.3	9.9	8.9	9.3	9.2	9.6	8.0	7.2	7.7
1987	8.7	9.3	9.9	8.8	9.2	9.1	9.4	7.8	7.1	7.6
1986	8.7	9.3	9.9	8.9	9.2	9.1	9.4	7.8	7.1	7.6
1985	8.8	9.4	9.9	8.8	9.3	9.1	9.4	7.9	7.0	7.7
1984	8.6	9.3	9.7	8.6	9.1	8.9	9.2	7.9	7.0	7.6
1983	8.6	9.2	9.7	8.7	9.2	8.9	9.2	7.9	6.9	7.5
1982	8.5	9.0	9.5	8.5	9.1	8.8	8.9	7.9	7.0	7.6
1981	8.6	9.0	9.6	8.5	9.1	8.9	9.1	8.2	7.0	7.6
1980	8.9	9.3	9.9	8.7	9.3	9.0	9.2	8.3	7.2	7.8
1979	9.5	8.9	9.4	8.5	9.1	8.8	8.9	8.2	7.0	7.6
1978	8.7	8.9	9.5	8.6	9.3	8.9	9.1	8.4	7.1	7.7
1977	8.7	8.9	9.5	8.6	9.2	8.8	9.3	8.3	7.1	7.6
1976	8.8	9.2	9.8	8.7	9.4	8.8	9.3	8.5	7.3	7.8
1975	8.8	9.1	9.5	8.7	9.5	8.8	9.4	8.5	7.3	7.9
1974	9.1	9.4	9.8	9.0	9.8	9.1	9.7	8.8	7.5	8.1
1973	9.3	9.6	10.0	9.2	10.0	9.5	10.1	9.1	7.8	8.3
1972	9.4	9.8	10.1	9.3	10.2	9.6	10.0	9.1	7.8	8.3
1971	9.3	9.6	10.1	9.2	10.0	9.3	10.0	8.9	8.1	8.4
1970	9.5	9.8	10.2	9.3	10.1	9.6	10.1	9.1	8.2	8.4
1969	9.5	10.1	10.2	9.4	10.3	9.5	9.9	9.0	8.2	8.6
1968	9.7	10.4	10.7	9.7	10.3	9.5	9.8	9.1	8.2	8.4
1967	9.4	10.3	10.2	9.5	10.1	9.1	9.4	8.6	7.9	8.3
1966	9.5	10.3	10.3	9.8	10.4	9.3	9.7	8.7	8.0	8.5
1965	9.4	10.5	10.2	9.5	10.2	9.2	9.6	8.6	8.0	8.4
1964	9.4	9.8	10.3	9.5	10.2	9.1	9.5	8.6	8.1	8.5
1963	9.6	10.4	10.5	9.8	10.4	9.3	9.9	8.8	8.1	8.5
1962	9.5	10.5	10.4	9.5	10.2	9.1	9.6	8.7	7.9	8.4
1961	9.3	10.4	10.3	9.3	9.9	8.8	9.3	8.4	7.9	8.4
1960	9.5	10.6	10.4	9.5	10.2	9.2	9.6	8.7	8.2	8.7
1955-59	9.4	10.6	10.4	9.5	10.0	8.9	9.3	8.4	8.2	8.7
1950-54	9.5	10.5	10.3	9.8	10.1	8.8	9.1	8.3	8.7	9.2
1945-49	10.0	11.0	10.9	10.3	10.5	9.1	9.4	8.6	9.7	9.9
1940-44	10.6	11.8	11.5	10.9	10.6	9.9	9.9	9.0	10.4	10.9
1935-39	11.0	11.8	11.2	11.1	10.6	11.1	10.8	9.9	11.3	11.7
1930-34	11.0	11.8	11.3	10.9	10.4	11.4	10.8	---	11.1	11.2
1925-29	11.7	12.4	12.4	11.6	---	---	11.7	---	---	11.6
1920-24	12.0	13.0	12.8	11.5	---	---	---	---	---	12.0
1915-19	14.5	16.0	15.8	---	---	---	---	---	---	---
1910-14	13.8	15.4	15.0	---	---	---	---	---	---	---
1905-09	15.2	16.2	---	---	---	---	---	---	---	---
1900-04	16.2	16.8	---	---	---	---	---	---	---	---

1 Alaska included in 1959 and Hawaii in 1960.  
 2 Figure for 1984 excludes approximately 6,000 deaths reported in Massachusetts; see Technical Appendix.  
 3 Deaths based on a 50-percent sample.

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Table 1-12. Death Rates: United States, Each Division and State, 1979-88

[Rates per 1,000 population in each area]

Division and State	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
United States .....	8.8	8.7	8.7	8.7	8.6	8.6	8.5	8.6	8.8	8.5
Geographic divisions:										
New England .....	9.2	9.2	9.3	9.3	9.2	9.2	9.0	8.9	9.3	8.8
Middle Atlantic .....	10.0	9.9	9.9	9.9	9.7	9.7	9.6	9.6	9.9	9.4
East North Central .....	9.0	8.9	9.0	8.9	8.7	8.8	8.6	8.7	8.8	8.6
West North Central .....	9.2	9.2	9.2	9.2	9.1	9.2	9.0	9.1	9.2	9.0
South Atlantic .....	8.2	9.1	9.1	9.0	8.9	8.9	8.7	8.9	8.9	8.7
East South Central .....	9.5	9.3	9.3	9.3	9.1	9.1	8.9	9.0	9.1	8.8
West South Central .....	8.0	7.8	7.8	7.9	7.9	7.9	7.9	8.1	8.2	8.1
Mountain .....	7.1	7.0	6.9	6.9	6.9	6.8	6.8	6.9	7.0	6.8
Pacific .....	7.8	7.6	7.5	7.7	7.8	7.5	7.5	7.6	7.8	7.6
New England:										
Maine .....	9.6	9.5	9.6	9.8	9.4	9.5	9.2	9.2	9.6	9.2
New Hampshire .....	8.1	8.0	8.4	8.5	8.2	8.3	8.0	8.2	8.3	8.2
Vermont .....	8.4	8.7	8.8	8.7	8.6	8.7	8.8	8.4	8.0	8.3
Massachusetts .....	8.8	9.5	9.6	9.6	9.6	9.4	9.2	9.2	9.6	9.1
Rhode Island .....	9.8	9.8	10.0	10.0	9.8	9.7	9.4	9.6	9.8	9.5
Connecticut .....	8.8	8.8	8.8	8.9	8.8	8.7	8.6	8.5	8.8	8.4
Middle Atlantic:										
New York .....	9.8	9.7	9.8	9.7	9.6	9.6	9.5	9.6	9.8	9.3
New Jersey .....	9.5	9.4	9.4	9.4	9.2	9.3	9.1	9.1	9.4	8.9
Pennsylvania .....	10.5	10.5	10.5	10.4	10.3	10.2	10.0	10.1	10.4	9.9
East North Central:										
Ohio .....	9.2	9.2	9.3	9.2	9.0	9.1	8.8	8.9	9.1	8.8
Indiana .....	9.0	8.8	9.0	8.8	8.6	8.7	8.5	8.6	8.6	8.5
Illinois .....	9.1	8.8	8.9	8.9	8.8	8.9	8.8	8.9	9.0	8.9
Michigan .....	8.7	8.7	8.8	8.7	8.5	8.5	8.3	8.2	8.1	8.0
Wisconsin .....	8.9	8.8	8.8	8.7	8.6	8.6	8.5	8.6	8.7	8.4
West North Central:										
Minnesota .....	8.2	8.1	8.3	8.3	8.1	8.2	8.0	8.0	8.2	7.9
Iowa .....	9.8	9.6	9.5	9.7	9.3	9.5	9.3	9.2	9.3	9.2
Missouri .....	9.9	9.9	9.9	10.0	9.8	10.0	9.8	9.9	10.1	9.8
North Dakota .....	8.5	8.2	7.8	8.2	8.1	8.2	8.0	8.3	8.6	8.2
South Dakota .....	9.2	9.4	9.3	9.3	9.3	9.5	9.5	9.3	9.5	9.2
Nebraska .....	9.3	9.3	9.2	9.3	9.1	9.2	9.2	9.3	9.2	9.1
Kansas .....	9.2	8.9	9.1	9.0	8.1	9.0	9.1	9.1	9.3	9.0
South Atlantic:										
Delaware .....	8.7	8.7	8.9	8.8	8.3	8.3	8.5	8.5	8.5	8.2
Maryland .....	8.4	8.4	8.4	8.3	8.2	8.2	8.0	8.0	8.1	7.8
District of Columbia .....	12.4	11.9	11.7	11.2	10.8	10.9	10.7	11.0	11.1	10.6
Virginia .....	7.9	7.9	8.0	7.9	7.9	7.9	7.6	7.8	7.9	7.7
West Virginia .....	10.6	10.4	10.4	10.0	9.8	9.8	9.7	9.8	9.9	9.8
North Carolina .....	8.9	8.6	8.6	8.5	8.3	8.3	8.1	8.3	8.2	8.0
South Carolina .....	8.5	8.3	8.3	8.1	8.0	8.0	7.8	8.0	8.1	7.9
Georgia .....	8.1	8.1	8.1	8.1	8.0	8.0	7.8	8.1	8.1	8.0
Florida .....	10.6	10.6	10.6	10.7	10.4	10.5	10.4	10.8	10.7	10.4
East South Central:										
Kentucky .....	9.6	9.3	9.3	9.3	9.0	9.2	8.9	9.1	9.2	8.9
Tennessee .....	9.4	9.3	9.2	9.1	9.0	8.9	8.7	8.8	8.9	8.6
Alabama .....	9.5	9.2	9.3	9.3	9.2	9.0	8.9	9.0	9.1	8.9
Mississippi .....	9.5	9.4	9.3	9.4	9.2	9.3	9.1	9.3	9.4	9.2
West South Central:										
Arkansas .....	10.4	10.2	10.1	10.2	10.1	10.0	9.7	9.8	9.9	9.5
Louisiana .....	8.5	8.2	8.1	8.3	8.0	8.2	8.2	8.4	8.5	8.4
Oklahoma .....	9.3	9.0	9.1	9.0	8.9	8.9	9.1	9.2	9.3	9.4
Texas .....	7.3	7.1	7.1	7.2	7.3	7.3	7.3	7.5	7.6	7.6
Mountain:										
Montana .....	8.4	8.2	8.3	8.2	8.2	8.2	8.2	8.5	8.5	8.2
Idaho .....	7.7	7.4	7.4	7.1	7.3	7.3	7.1	7.2	7.2	6.9
Wyoming .....	8.8	8.2	8.3	8.4	8.2	8.1	8.3	8.5	8.9	8.5
Colorado .....	8.5	8.4	8.4	8.3	8.4	8.2	8.4	8.5	8.6	8.5
New Mexico .....	6.9	6.9	6.8	6.7	6.7	6.6	6.8	6.5	7.0	6.8
Arizona .....	7.9	8.0	7.8	7.7	7.8	7.8	7.6	7.7	7.9	7.5
Utah .....	5.5	5.4	5.4	5.5	5.5	5.3	5.4	5.5	5.6	5.6
Nevada .....	8.0	7.8	7.7	7.7	7.4	7.1	7.3	7.0	7.4	7.0
Pacific:										
Washington .....	7.8	7.7	7.7	7.8	7.8	7.6	7.6	7.8	7.7	7.6
Oregon .....	8.0	8.9	8.7	8.9	8.7	8.5	8.1	8.2	8.3	8.2
California .....	7.8	7.8	7.5	7.7	7.6	7.5	7.6	7.8	7.9	7.8
Alaska .....	3.9	3.9	3.9	4.0	3.8	3.9	4.0	4.1	4.3	3.9
Hawaii .....	5.5	5.7	5.5	5.5	5.4	5.4	5.2	5.1	5.2	5.1

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Table 1-13. Deaths and Death Rates by Age: United States, Each Division and State, 1988

[Rates per 100,000 population in specified group in each area]

Division and State	Number							Rate					
	Total	Under 5 years	5-19 years	20-44 years	45-64 years	65 years and over	Not stated	Total	Under 5 years	5-19 years	20-44 years	45-64 years	65 years and over
United States	2,167,998	46,339	24,956	158,727	387,221	1,550,169	587	882.0	251.1	47.2	161.8	841.9	5,104.8
<b>Geographic divisions:</b>													
New England	119,737	1,828	1,025	6,933	19,386	90,551	14	923.8	204.7	40.2	131.6	770.2	5,213.1
Middle Atlantic	375,756	6,818	3,165	27,988	86,718	271,000	69	998.5	262.7	41.8	192.1	857.9	5,282.7
East North Central	378,593	7,859	4,259	24,047	87,177	275,221	30	898.8	257.2	46.0	144.4	843.8	5,302.9
West North Central	164,263	2,875	1,692	8,221	24,090	127,376	9	925.0	220.1	44.2	118.3	740.5	5,259.1
South Atlantic	389,230	8,959	4,822	30,290	74,077	271,155	127	917.4	285.1	52.4	180.8	895.1	4,893.9
East South Central	145,352	3,037	1,841	10,102	27,714	102,638	20	947.3	279.4	52.1	168.7	907.0	5,376.5
West South Central	215,411	5,312	3,137	18,076	40,694	148,127	65	801.2	233.0	49.2	167.9	885.0	5,078.1
Mountain	94,885	2,657	1,528	7,882	16,822	65,900	66	711.9	233.6	49.3	144.7	763.2	4,591.2
Pacific	284,772	6,994	3,687	25,190	50,543	198,171	187	782.4	228.2	47.0	160.1	762.3	4,860.7
<b>New England:</b>													
Maine	11,519	169	117	558	1,898	8,777	-	955.9	201.2	45.3	117.0	839.8	5,451.6
New Hampshire	8,770	168	106	463	1,471	6,561	1	808.3	207.4	46.5	101.8	742.9	5,394.1
Vermont	4,686	72	46	273	688	3,586	1	837.7	180.0	38.3	116.2	709.3	5,433.3
Massachusetts	56,483	798	408	3,256	9,068	42,947	6	958.1	199.5	36.6	133.8	798.2	5,328.4
Rhode Island	9,723	130	58	481	1,586	7,465	3	978.2	197.0	29.9	121.8	890.4	5,113.0
Connecticut	28,576	491	290	1,902	4,675	21,215	3	883.9	221.2	45.7	149.2	698.8	4,877.0
<b>Middle Atlantic:</b>													
New York	176,315	3,473	1,579	15,817	31,934	123,486	26	984.5	272.4	43.6	228.1	864.5	5,304.4
New Jersey	73,413	1,387	634	5,518	13,428	52,419	27	950.8	262.2	41.4	183.6	816.8	5,195.1
Pennsylvania	126,028	1,958	952	6,651	21,356	95,095	16	1,050.1	247.5	39.5	145.7	875.6	5,303.7
<b>East North Central:</b>													
Ohio	100,127	1,864	982	5,888	18,391	72,998	4	922.4	240.8	41.2	139.8	870.4	5,320.6
Indiana	50,037	1,053	630	2,866	8,822	36,660	6	900.6	270.7	50.5	130.5	846.6	5,391.2
Illinois	105,250	2,435	1,119	7,352	18,951	75,388	5	908.2	293.5	44.9	158.9	856.0	5,305.3
Michigan	80,147	1,779	1,063	5,781	14,755	56,757	12	867.4	262.8	51.3	158.3	860.9	5,274.8
Wisconsin	43,032	728	465	2,160	6,258	33,418	3	886.3	203.9	43.7	112.9	712.8	5,213.4
<b>West North Central:</b>													
Minnesota	35,447	626	370	1,782	4,930	27,737	2	823.0	192.6	40.0	101.9	841.1	5,136.5
Iowa	27,869	394	254	1,133	3,734	22,364	-	983.4	206.3	41.7	103.5	722.2	5,284.6
Missouri	50,840	933	514	2,865	8,369	38,153	6	988.9	252.2	46.9	145.1	844.5	5,373.7
North Dakota	5,864	127	64	254	749	4,470	-	848.2	244.2	42.4	96.2	687.2	4,966.7
South Dakota	6,579	138	74	329	922	5,116	-	922.7	242.1	46.0	122.8	726.0	5,116.0
Nebraska	14,872	272	156	666	2,087	11,690	1	928.3	228.7	44.4	107.1	724.7	5,298.6
Kansas	22,992	385	260	1,192	3,299	17,866	-	921.5	201.6	48.4	122.0	729.9	5,282.8
<b>South Atlantic:</b>													
Delaware	5,769	137	65	441	1,127	3,999	-	874.1	285.4	47.1	165.8	860.3	5,193.5
Maryland	38,655	980	449	3,308	7,786	26,104	28	836.3	283.2	47.7	171.8	853.7	5,241.8
District of Columbia	7,664	264	96	1,187	1,659	4,427	31	1,242.1	561.7	89.7	442.9	1,405.9	5,749.4
Virginia	47,608	1,124	513	3,500	9,681	32,790	10	791.5	261.4	41.6	140.7	835.3	5,114.1
West Virginia	19,794	247	221	1,933	5,601	14,829	3	1,055.1	218.6	52.1	151.8	1,023.0	5,456.6
North Carolina	57,641	1,449	681	4,338	11,713	39,459	10	898.3	322.7	46.6	165.6	937.8	5,090.7
South Carolina	28,428	792	470	2,580	6,397	19,196	3	848.1	305.8	58.5	183.0	1,031.8	5,064.9
Georgia	51,827	1,554	826	5,030	10,982	33,290	5	814.0	313.3	55.5	194.9	962.5	5,216.6
Florida	131,044	2,412	1,301	8,716	21,191	97,387	37	1,082.4	284.4	57.1	197.8	814.7	4,424.7
<b>East South Central:</b>													
Kentucky	35,616	647	422	2,181	6,699	25,684	3	956.6	255.7	49.8	146.1	980.6	5,547.3
Tennessee	45,775	896	595	3,240	8,690	32,360	4	935.1	269.9	54.5	166.8	927.4	5,287.6
Alabama	39,127	877	480	2,910	7,619	27,239	2	953.9	296.3	50.5	183.1	1,010.5	5,309.7
Mississippi	24,834	617	354	1,791	4,706	17,355	11	947.9	299.5	53.4	183.1	1,041.2	5,406.5
<b>West South Central:</b>													
Arkansas	24,904	461	307	1,551	4,176	18,402	7	1,039.8	266.5	55.7	177.5	934.2	5,257.7
Louisiana	37,601	971	546	3,307	7,719	25,041	17	859.0	261.0	51.3	187.4	1,061.8	5,227.8
Oklahoma	30,032	535	351	1,855	5,218	22,051	22	926.3	216.6	47.8	146.6	912.2	5,225.4
Texas	122,874	3,345	1,933	11,363	29,581	82,693	19	729.6	224.8	48.0	165.6	841.9	4,960.0
<b>Mountain:</b>													
Montana	6,781	124	88	421	1,086	5,059	3	842.4	200.0	48.1	132.8	775.7	4,911.7
Idaho	7,701	174	143	455	1,167	5,759	3	767.8	214.8	56.1	116.1	743.3	4,880.5
Wyoming	3,246	76	67	242	610	2,250	1	677.7	194.9	57.8	111.5	983.9	5,000.0
Colorado	21,350	579	302	1,841	3,884	14,844	-	646.8	219.3	42.8	125.2	672.3	4,759.2
New Mexico	10,425	347	208	1,098	1,926	6,837	9	691.8	259.0	57.3	184.5	740.8	4,411.0
Arizona	27,684	804	416	2,337	4,907	19,182	38	793.5	268.9	54.9	171.7	787.6	4,291.3
Utah	9,224	360	186	691	1,485	6,490	2	545.8	203.4	38.5	107.0	687.5	4,602.8
Nevada	4,474	193	108	797	1,957	5,409	10	804.0	235.4	50.9	177.1	888.4	4,786.7
<b>Pacific:</b>													
Washington	36,938	792	462	2,560	5,904	26,622	8	781.8	227.6	47.1	128.8	768.5	4,813.4
Oregon	24,810	430	314	1,550	3,873	18,641	2	896.6	226.3	54.5	133.7	842.0	4,892.7
California	215,485	5,457	2,744	20,154	38,941	148,017	172	761.1	229.2	46.3	169.6	762.5	4,916.9
Alaska	2,064	156	83	450	503	870	2	393.9	273.7	65.4	187.5	628.6	4,350.0
Hawaii	6,075	159	84	476	1,232	4,121	3	553.3	178.7	36.1	103.5	606.9	3,614.9

Figures for age not stated included in "Total" but not distributed among age groups.

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Table 1-14. Death Rates for 72 Selected Causes: United States, Each Division and State, 1988

[Rates per 100,000 population in each area. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	United States	Geographic divisions								
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All causes .....	882.0	923.8	898.5	898.8	925.0	917.4	947.3	801.2	711.9	762.4
Shigellosis and amebiasis (004,006) .....	0.0	0.0	-	0.0	-	0.0	0.0	0.0	0.0	0.0
Certain other Intestinal Infections (007-009) .....	.1	.1	0.1	.1	0.2	.1	.1	.1	.1	.2
Tuberculosis (010-018) .....	.8	.4	1.1	.5	.4	1.0	1.1	.8	.5	.8
Tuberculosis of respiratory system (010-012) .....	.6	.3	.9	.4	.3	.7	.8	.7	.4	.6
Other tuberculosis (013-018) .....	.2	.1	.3	.1	.1	.2	.2	.2	.1	.2
Whooping cough (093) .....	.0	-	.0	.0	-	-	-	-	-	.0
Streptococcal sore throat, scarlatina, and erysipelas (034-036) .....	.0	-	-	.0	.0	.0	.0	.0	.0	.0
Meningococcal infection (036) .....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
Septicemia (038) .....	8.5	10.7	13.5	8.7	6.9	9.1	7.5	9.5	5.8	9.4
Acute poliomyelitis (045) .....	.0	-	.0	-	-	-	-	-	-	-
Measles (055) .....	.0	-	-	-	-	.0	-	-	-	.0
Viral hepatitis (070) .....	.5	.4	.4	.3	.4	.8	.8	.4	.5	.9
Syphilis (090-097) .....	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044, 048-054,056-066,071-088,088-139) .....	9.5	7.3	18.2	4.8	4.6	10.1	5.1	8.3	5.9	12.1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	197.3	218.2	224.2	203.2	202.8	209.1	206.0	171.8	153.7	171.0
Malignant neoplasms of lip, oral cavity, and pharynx (140-149) .....	3.3	4.0	3.9	3.2	3.0	4.0	3.3	2.8	2.1	3.0
Malignant neoplasms of digestive organs and peritoneum (150-159) .....	47.8	55.8	58.8	49.8	49.9	48.9	45.4	38.7	38.2	41.4
Malignant neoplasms of respiratory and intrathoracic organs (160-165) .....	58.2	57.8	59.0	57.5	54.7	63.4	66.0	52.4	41.2	48.1
Malignant neoplasm of breast (174-175) .....	17.3	20.9	21.5	18.0	18.1	17.8	15.9	13.2	13.2	14.9
Malignant neoplasms of genital organs (178-187) .....	21.7	22.5	24.2	22.3	23.7	23.2	23.4	17.6	17.9	19.2
Malignant neoplasms of urinary organs (188-190) .....	7.9	9.5	9.1	8.5	9.3	8.0	7.3	6.4	6.6	6.7
Malignant neoplasms of all other and unspecified sites (170-173,180-199) .....	24.9	28.7	27.1	25.2	24.5	25.6	26.9	24.4	21.1	21.2
Leukemia (204-208) .....	7.2	7.4	7.7	7.4	8.0	7.2	6.8	6.7	6.4	6.5
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203) .....	11.1	11.7	12.9	11.4	12.8	10.9	10.9	9.3	9.1	10.0
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	2.7	4.0	3.4	2.6	2.6	2.7	2.9	2.1	2.4	2.3
Diabetes mellitus (250) .....	16.4	17.6	19.7	17.8	15.2	18.8	18.7	14.4	14.3	12.6
Nutritional deficiencies (260-269) .....	1.2	1.3	1.0	1.5	1.9	1.3	1.3	1.2	1.4	.8
Anemias (280-285) .....	1.6	1.7	1.6	1.7	1.8	1.7	1.5	1.5	1.2	1.1
Meningitis (320-322) .....	.5	.4	.6	.4	.4	.5	.4	.5	.5	.5
Major cardiovascular diseases (390-448) .....	394.4	414.5	480.6	419.5	427.3	403.9	428.7	348.6	282.0	324.7
Diseases of heart (390-398,402,404-429) .....	311.3	329.3	379.8	333.5	328.9	316.0	333.4	274.6	218.8	247.5
Rheumatic fever and rheumatic heart disease (390-398) .....	2.6	3.0	3.7	2.5	2.7	2.3	1.7	1.4	3.3	2.8
Hypertensive heart disease (402) .....	8.5	6.8	8.3	8.3	5.6	10.8	9.8	8.3	5.8	6.7
Hypertensive heart and renal disease (404) .....	1.0	.7	1.0	1.2	1.0	1.2	1.2	.8	.8	.9
Ischemic heart disease (410-414) .....	207.3	225.1	269.4	229.9	221.4	202.3	206.0	162.7	141.5	168.3
Acute myocardial infarction (410) .....	100.9	105.4	122.6	108.2	108.0	104.3	128.7	90.1	67.7	69.5
Other acute and subacute forms of ischemic heart disease (411) .....	1.4	.5	1.2	.8	.8	2.7	.8	2.8	1.7	.6
Angina pectoris (413) .....	.4	.7	.4	.4	.5	.5	.4	.4	.2	.3
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414) .....	104.5	118.4	145.2	120.4	111.4	94.8	76.3	69.5	71.8	97.9
Other diseases of endocardium (424) .....	4.8	6.3	5.5	4.7	5.5	4.8	3.7	3.3	4.0	5.0
All other forms of heart disease (416-423,425-429) .....	87.1	87.5	82.0	88.9	92.7	94.6	111.1	88.0	63.9	61.9

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Table 1-14. Death Rates for 72 Selected Causes: United States, Each Division and State, 1988—Con.

[Rates per 100,000 population in each area. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	United States	Geographic divisions								
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
<b>Major cardiovascular diseases-Con.</b>										
Hypertension with or without renal disease (401,403) .....	3.4	3.3	3.6	3.6	4.1	4.0	3.6	2.6	2.4	3.1
Cerebrovascular diseases (430-438) .....	61.2	60.4	58.4	62.3	71.9	69.3	73.1	56.5	44.2	57.1
Intracerebral and other intracranial hemorrhage (431-432) .....	8.6	8.5	9.6	8.7	8.0	9.8	9.4	7.5	6.5	8.1
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) .....	6.7	6.3	9.5	9.8	8.6	8.9	9.5	6.1	4.5	7.8
Cerebral embolism (434.1) .....	.3	.3	.3	.3	.4	.3	.3	.2	.2	.3
All other and late effects of cerebrovascular diseases (430,433,435-438) .....	43.6	42.3	39.1	43.4	54.9	46.3	53.9	42.6	33.0	40.9
Atherosclerosis (440) .....	9.0	10.1	8.8	10.3	12.0	7.5	9.0	7.8	8.4	8.7
Other diseases of arteries, arterioles, and capillaries (441-448) .....	9.4	11.4	10.1	9.9	10.4	10.1	9.5	7.1	8.1	8.4
Acute bronchitis and bronchiolitis (466) .....	.3	.3	.3	.3	.3	.2	.4	.2	.2	.3
Pneumonia and influenza (480-487) .....	31.6	36.6	35.4	31.3	39.0	27.9	31.6	26.7	28.2	31.7
Pneumonia (480-486) .....	30.8	35.9	35.0	30.7	37.5	27.1	30.8	25.9	27.2	30.7
Influenza (487) .....	.8	.7	.4	.6	1.5	.8	.8	.8	1.0	.9
<b>Chronic obstructive pulmonary diseases and allied conditions</b>										
(490-498) .....	33.7	34.0	32.2	33.6	37.3	34.2	35.9	27.2	38.6	34.8
Bronchitis, chronic and unspecified (490-491) .....	1.5	1.6	1.2	1.5	1.7	1.6	1.7	1.1	1.3	1.9
Emphysema (492) .....	6.3	5.3	5.5	6.8	5.9	6.4	5.9	5.4	7.7	7.4
Asthma (493) .....	1.9	1.7	2.0	1.7	1.9	1.9	1.8	1.5	2.4	2.1
Other chronic obstructive pulmonary diseases and allied conditions (494-498) .....	24.0	25.7	23.4	23.7	27.8	24.4	26.6	19.2	27.3	23.4
Ulcer of stomach and duodenum (531-533) .....	2.6	2.3	3.0	2.6	2.9	2.6	2.4	1.8	2.4	3.0
Appendicitis (540-543) .....	.2	.2	.2	.2	.2	.2	.2	.1	.2	.2
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (560-563,569) .....	2.3	2.5	2.4	2.3	2.8	2.4	2.7	2.1	1.7	1.9
Chronic liver disease and cirrhosis (571) .....	10.7	11.6	12.8	9.9	7.0	11.2	8.8	8.2	10.3	13.4
Cholelithiasis and other disorders of gallbladder (574-575) .....	1.3	1.4	1.3	1.2	1.4	1.2	2.0	1.2	1.2	1.1
<b>Nephritis, nephrotic syndrome, and nephrosis (580-589)</b>										
Acute glomerulonephritis and nephrotic syndrome (580-581) .....	.1	.1	.1	.1	.1	.1	.2	.2	.1	.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) .....	.6	.5	.8	.6	.8	.7	.9	.5	.7	.5
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589) .....	8.4	9.3	10.8	9.4	8.4	8.0	9.0	9.4	5.7	4.7
Infections of kidney (590) .....	.7	.4	.4	.7	.7	.7	1.0	.9	.6	.8
Hyperplasia of prostate (600) .....	.2	.2	.2	.2	.3	.2	.2	.1	.1	.2
<b>Complications of pregnancy, childbirth, and the puerperium (630-676)</b>										
Pregnancy with abortive outcome (630-638) .....	.1	.1	.1	.1	.1	.1	.2	.2	.1	.1
Other complications of pregnancy, childbirth, and the puerperium (640-676) .....	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
<b>Congenital anomalies (740-759)</b>										
Certain conditions originating in the perinatal period (760-779) .....	5.2	4.1	4.9	5.1	5.0	5.3	5.3	5.5	5.9	5.4
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769) .....	7.4	6.2	8.1	7.7	5.6	8.2	7.6	6.9	5.9	6.5
Other conditions originating in the perinatal period (780-786,770-779) .....	1.7	1.4	1.9	1.8	1.3	1.9	1.8	1.5	1.3	1.8
Symptoms, signs, and ill-defined conditions (780-799) .....	5.7	4.8	6.3	5.9	4.3	7.3	5.7	5.4	4.5	4.7
All other diseases (Residual) .....	12.6	10.2	14.4	8.1	16.9	11.1	15.1	23.5	8.4	8.9
All other diseases (Residual) .....	68.3	78.1	73.7	67.8	74.7	74.1	74.9	59.7	61.6	56.2
<b>Accidents and adverse effects (E800-E949)</b>										
Motor vehicle accidents (E810-E825) .....	39.5	31.2	33.7	36.2	39.7	44.5	50.9	41.5	44.3	38.3
All other accidents and adverse effects (E800-E807, E826-E949) .....	20.0	15.2	14.6	16.1	19.2	23.7	26.7	21.5	23.9	19.9
Suicide (E950-E959) .....	19.5	16.1	16.9	16.1	20.5	20.8	24.2	20.0	21.0	16.3
Homicide and legal intervention (E960-E979) .....	12.4	10.3	8.6	11.5	11.9	13.4	12.5	13.2	19.0	13.9
All other external causes (E980-E999) .....	9.0	4.2	9.0	7.8	4.6	11.5	9.8	11.9	6.9	9.4
All other external causes (E980-E999) .....	1.2	1.9	1.6	1.0	1.1	1.4	1.1	.8	1.7	.9



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Table 1-14. Death Rates for 72 Selected Causes: United States, Each Division and State, 1988—Con.

[Rates per 100,000 population in each area. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	New England Division						Middle Atlantic Division		
	Maine	New Hampshire	Vermont	Massachusetts	Rhode Island	Connecticut	New York	New Jersey	Pennsylvania
All causes	955.9	808.3	837.7	959.1	979.2	883.9	984.5	950.8	1,050.1
Shigellosis and amebiasis (004,006)	-	-	-	0.0	-	-	-	-	-
Certain other intestinal infections (007-009)	0.1	0.3	-	.1	0.1	0.0	0.1	0.1	0.1
Tuberculosis (010-018)	.4	-	0.2	.4	.2	.4	1.6	.9	.6
Tuberculosis of respiratory system (010-012)	.3	-	-	.3	.1	.4	1.2	.7	.5
Other tuberculosis (013-018)	.1	-	.2	.2	.1	.0	.4	.2	.1
Whooping cough (033)	-	-	-	-	-	-	.0	-	.0
Streptococcal sore throat, scarlatina, and erysipelas (034-035)	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	.1	.3	.5	.1	-	.1	.1	.1	.1
Septicemia (038)	3.9	4.7	7.9	12.8	11.8	11.4	11.1	15.2	15.8
Acute poliomyelitis (045)	-	-	-	-	-	-	.0	-	-
Measles (055)	-	-	-	-	-	-	-	-	-
Viral hepatitis (070)	.3	.2	.2	.5	.5	.4	.5	.8	.3
Syphilis (090-097)	-	-	-	.0	.1	.1	.1	.0	.0
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044, 046-054,056-066,071-089,098-139)	5.1	4.4	2.7	8.0	6.8	8.7	26.3	18.0	6.1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	226.6	195.2	183.3	223.4	242.0	211.9	216.0	223.5	237.1
Malignant neoplasms of lip, oral cavity, and pharynx (140-149)	3.7	3.4	2.5	4.1	5.8	4.0	4.2	4.0	3.3
Malignant neoplasms of digestive organs and peritoneum (150-159)	54.8	46.5	41.1	57.3	66.6	55.9	58.5	58.7	59.4
Malignant neoplasms of respiratory and intrathoracic organs (160-185)	65.1	60.7	47.4	58.4	65.0	56.0	55.6	59.6	63.8
Malignant neoplasm of breast (174-175)	18.9	19.4	19.0	22.0	23.8	19.6	21.6	21.2	21.7
Malignant neoplasms of genital organs (179-187)	23.9	21.6	23.9	23.0	22.7	21.2	23.6	23.4	25.5
Malignant neoplasms of urinary organs (188-189)	10.2	10.0	8.6	9.4	10.0	9.1	9.2	8.7	9.3
Malignant neoplasms of all other and unspecified sites (170-173,190-199)	31.3	28.9	20.3	30.1	26.3	27.3	23.4	26.4	31.8
Leukemia (204-208)	7.2	5.9	7.2	7.4	8.1	7.6	7.4	7.3	8.6
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)	11.5	8.8	13.3	11.8	14.1	11.4	12.6	12.2	13.8
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	5.3	2.8	3.6	4.1	3.6	4.0	3.1	3.8	3.5
Diabetes mellitus (250)	22.9	16.4	16.7	15.7	26.6	16.4	18.1	19.8	21.9
Nutritional deficiencies (260-269)	1.9	2.0	.9	1.2	1.4	1.1	.8	1.0	1.5
Anemias (280-285)	1.2	1.8	1.4	1.7	1.3	1.8	1.4	1.8	1.9
Meningitis (320-322)	.3	.3	.2	.4	.8	.3	.8	.8	.5
Major cardiovascular diseases (390-448)	426.5	356.7	369.5	432.7	442.5	385.3	452.0	432.1	491.6
Diseases of heart (390-398,402,404-429)	330.4	278.3	289.4	343.9	363.6	318.8	378.2	366.1	400.6
Rheumatic fever and rheumatic heart disease (390-398)	3.6	2.6	2.2	3.1	3.4	2.7	3.3	4.0	3.9
Hypertensive heart disease (402)	6.1	5.5	9.7	6.5	6.6	7.5	8.0	9.7	7.8
Hypertensive heart and renal disease (404)	.9	.1	1.4	.8	.9	1.0	.9	1.0	1.0
Ischemic heart disease (410-414)	234.9	191.0	177.7	237.4	255.9	209.1	293.8	251.2	244.7
Acute myocardial infarction (410)	117.0	107.1	93.0	113.2	120.9	83.9	122.8	116.7	126.3
Other acute and subacute forms of ischemic heart disease (411)	2.1	.2	.7	.3	.7	.3	1.4	1.2	1.0
Angina pectoris (413)	.6	.5	1.4	.8	.4	1.0	.2	.4	.6
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	115.2	83.2	82.6	123.4	133.8	123.9	169.4	132.9	116.8
Other diseases of endocardium (424)	6.1	6.9	7.2	6.5	5.6	5.7	4.5	5.7	7.0
All other forms of heart disease (415-423,425-429)	78.8	72.3	91.2	89.8	81.1	92.9	65.6	84.4	136.1

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Table 1-14. Death Rates for 72 Selected Causes: United States, Each Division and State, 1988—Con.

[Rates per 100,000 population in each area. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	New England Division						Middle Atlantic Division		
	Maine	New Hampshire	Vermont	Massachusetts	Rhode Island	Connecticut	New York	New Jersey	Pennsylvania
<b>Major cardiovascular diseases—Con.</b>									
Hypertension with or without renal disease (401,403) .....	3.7	3.4	1.8	3.3	3.8	3.2	3.7	3.3	3.7
Cerebrovascular diseases (430-438) .....	64.5	58.2	56.9	63.5	64.0	53.8	54.0	54.9	57.3
Intracerebral and other intracranial hemorrhage (431-432) .....	6.7	7.8	5.2	9.2	10.5	6.1	9.5	9.2	9.8
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) .....	8.7	8.1	7.7	10.4	9.2	8.0	9.1	8.7	10.5
Carotid embolism (434.1) .....	.1	.2	.7	.4	.9	.2	.3	.3	.4
All other and late effects of cerebrovascular diseases (430,433,435-438) .....	49.0	40.1	49.3	43.5	44.1	37.6	35.1	36.7	46.5
Atherosclerosis (440) .....	14.4	9.9	8.8	10.7	9.4	7.9	8.7	8.0	8.7
Other diseases of arteries, arterioles, and capillaries (441-448) .....	13.5	8.8	12.7	11.3	11.0	11.4	9.5	9.8	11.3
Acute bronchitis and bronchiolitis (466) .....	.3	.3	.2	.4	.3	.2	.3	.2	.2
Pneumonia and influenza (460-487) .....	29.5	28.2	33.4	43.0	28.1	34.1	38.7	31.1	33.3
Pneumonia (460-486) .....	28.4	27.1	32.1	42.5	25.9	33.3	38.3	30.8	32.8
Influenza (487) .....	1.1	1.1	1.3	.4	.2	.8	.4	.4	.5
Chronic obstructive pulmonary diseases and allied conditions (490-495) .....	48.1	33.5	45.2	34.4	34.3	29.3	31.0	29.3	36.0
Bronchitis, chronic and unspecified (490-491) .....	2.5	2.1	1.8	1.7	1.3	1.7	1.2	1.2	1.3
Emphysema (492) .....	7.5	5.8	7.4	5.9	3.3	3.6	5.3	6.0	5.5
Asthma (493) .....	2.2	1.9	1.4	1.7	1.7	1.5	2.5	1.9	1.5
Other chronic obstructive pulmonary diseases and allied conditions (494-495) .....	33.9	23.7	34.6	25.0	28.0	22.5	21.9	20.2	27.8
Ulcer of stomach and duodenum (531-533) .....	1.9	2.4	2.0	2.3	3.0	2.2	3.6	2.2	2.5
Appendicitis (540-543) .....	.2	.2	—	.2	.2	.2	.3	.2	.2
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	3.2	2.2	2.0	2.9	2.3	1.8	2.4	2.2	2.5
Chronic liver disease and cirrhosis (571) .....	10.5	11.1	11.0	12.4	13.1	10.2	14.2	13.5	10.3
Cholelithiasis and other disorders of gallbladder (574-575) .....	2.9	.7	1.3	1.6	1.7	1.0	1.2	1.4	1.2
Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	8.0	8.8	8.3	11.4	9.2	8.6	10.5	11.0	13.5
Acute glomerulonephritis and nephrotic syndrome (580-581) .....	.2	—	—	.1	—	.1	.1	.1	.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) .....	.3	.5	.4	.6	.3	.5	.8	.7	.5
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589) .....	7.4	8.4	7.9	10.7	8.9	8.1	9.8	10.3	12.8
Infections of kidney (590) .....	.2	.6	.5	.3	.3	.3	.5	.2	.4
Hypertrophy of prostate (600) .....	.3	.3	.4	.2	.2	.2	.3	.2	.2
Complications of pregnancy, childbirth, and the puerperium (630-676) .....	—	.1	.2	.1	.1	.1	.2	.1	.1
Pregnancy with abortive outcome (630-638) .....	—	—	—	—	—	—	.1	.0	.0
Other complications of pregnancy, childbirth, and the puerperium (640-676) .....	.2	.1	.2	.1	.1	.1	.1	.1	.0
Congenital anomalies (740-769) .....	5.9	5.3	4.3	3.8	3.8	3.7	5.0	5.1	4.7
Certain conditions originating in the perinatal period (760-779) .....	4.4	6.1	4.1	6.4	5.8	7.1	6.9	7.9	7.2
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769) .....	1.6	1.8	1.6	1.4	.9	1.5	1.9	2.0	1.7
Other conditions originating in the perinatal period (760-766,770-779) .....	2.8	4.3	2.5	5.0	4.9	5.6	7.0	5.9	5.5
Symptoms, signs, and ill-defined conditions (780-789) .....	7.8	6.7	6.0	10.1	5.7	14.8	12.3	13.5	18.1
All other diseases (Residual) .....	84.1	71.8	71.3	83.3	88.1	70.6	69.9	70.3	61.5
Accidents and adverse effects (E800-E949) .....	39.5	27.6	41.8	29.7	29.7	30.7	32.1	31.5	37.6
Motor vehicle accidents (E810-E825) .....	20.4	15.1	20.6	13.3	14.7	15.7	13.6	14.6	18.7
All other accidents and adverse effects (E800-E807,E829-E849) .....	19.1	12.5	21.2	16.4	15.0	14.9	18.5	16.9	20.8
Suicide (E850-E859) .....	13.4	13.1	16.2	8.6	10.0	10.3	6.7	7.0	12.4
Homicide and legal intervention (E860-E878) .....	3.0	2.6	2.5	4.1	4.5	5.6	12.8	5.4	5.6
All other external causes (E880-E899) .....	.7	1.4	.2	3.0	1.0	.9	2.1	.6	1.6

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Table 1-14. Death Rates for 72 Selected Causes: United States, Each Division and State, 1988—Con.

[Rates per 100,000 population in each area. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1967 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	East North Central Division					West North Central Division						
	Ohio	Indiana	Illinois	Michigan	Wisconsin	Minnesota	Iowa	Missouri	North Dakota	South Dakota	Nebraska	Kansas
All causes	922.4	900.6	906.2	867.4	886.3	823.0	883.4	988.9	849.2	922.7	828.3	921.5
Shigellosis and amebiasis (004,006)	0.0	-	0.0	-	-	-	-	-	-	-	-	-
Certain other intestinal infections (007-009)	.1	0.1	.1	0.1	0.1	0.1	0.2	0.1	0.3	0.1	0.2	0.2
Tuberculosis (010-018)	.4	.4	.7	.5	.4	.2	.5	.8	.1	.4	.1	.2
Tuberculosis of respiratory system (018-012)	.4	.3	.5	.4	.3	.0	.4	.7	.1	.3	.1	.2
Other tuberculosis (013-018)	.1	.1	.1	.1	.1	.1	.1	.2	-	.1	-	-
Whooping cough (033)	-	-	-	.0	-	-	-	-	-	-	-	-
Streptococcal sore throat, scarlatina, and erysipelas (034-035)	-	-	.0	.0	.0	-	-	.0	-	-	-	-
Meningococcal infection (036)	.1	.1	.1	.1	.1	.0	.1	.0	-	.3	.1	.2
Septicemia (038)	9.3	7.6	9.8	8.8	8.7	4.9	7.3	8.7	5.4	4.5	5.7	7.9
Acute poliomyelitis (045)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (055)	-	-	-	-	-	-	-	-	-	-	-	-
Viral hepatitis (070)	.3	.5	.2	.3	.3	.3	.5	.5	.7	.1	.1	.4
Syphilis (090-097)	.0	.1	.0	.0	-	-	.0	.1	-	-	-	-
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044, 046-054,056-066,071-088,098-139)	4.4	4.2	6.2	4.6	3.6	4.2	3.1	6.0	3.0	2.7	4.4	4.9
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	212.1	204.3	202.3	183.8	202.1	188.2	218.4	212.7	182.7	189.9	197.6	198.6
Malignant neoplasms of lip, oral cavity, and pharynx (140-149)	3.4	2.8	3.3	3.2	3.1	2.7	3.0	3.0	2.8	2.2	2.7	3.7
Malignant neoplasms of digestive organs and peritoneum (150-159)	51.4	47.9	51.9	45.9	50.9	47.9	52.9	48.2	51.9	49.9	47.8	48.6
Malignant neoplasms of respiratory and intrathoracic organs (160-185)	62.3	61.8	56.1	55.4	49.0	43.7	60.8	63.9	42.7	45.6	51.0	58.9
Malignant neoplasm of breast (174-175)	19.0	17.3	18.2	17.3	18.0	17.9	19.2	18.0	17.5	18.1	17.5	17.6
Malignant neoplasms of genital organs (178-187)	23.1	21.3	21.6	21.7	24.4	23.8	26.1	21.7	25.6	23.7	24.0	24.4
Malignant neoplasms of urinary organs (188-189)	8.7	8.7	8.1	7.6	10.0	9.8	10.7	8.4	9.7	8.4	8.6	9.1
Malignant neoplasms of all other and unspecified sites (170-173,190-199)	25.3	26.0	24.8	24.1	26.7	23.4	24.0	28.8	20.8	20.6	25.2	19.5
Leukemia (204-208)	7.3	7.4	7.2	7.2	8.2	7.4	8.5	8.1	9.3	8.4	7.6	8.1
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)	11.8	11.2	11.1	11.3	11.9	12.5	13.8	12.6	12.1	11.9	13.2	12.6
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	3.0	3.2	2.9	1.6	2.3	2.8	2.3	2.9	3.7	2.8	1.9	2.0
Diabetes mellitus (250)	18.7	22.0	16.8	16.5	18.2	12.9	16.2	18.0	17.2	13.3	16.6	18.4
Nutritional deficiencies (260-269)	1.5	1.5	1.6	1.3	1.6	1.6	1.5	2.4	.9	1.0	1.6	2.4
Anemias (280-285)	2.1	1.7	1.6	1.5	1.3	1.4	1.4	1.6	1.3	2.1	1.5	2.0
Meningitis (320-322)	.4	.4	.5	.3	.4	.3	.6	.3	.1	.7	.2	.7
Major cardiovascular diseases (390-446)	429.9	413.4	423.0	409.8	413.6	370.8	471.1	453.2	402.1	460.8	424.1	421.0
Diseases of heart (390-398,402,404-429)	344.6	318.0	340.8	327.2	320.7	276.5	359.2	359.3	308.5	364.0	321.4	322.8
Rheumatic fever and rheumatic heart disease (390-398)	2.9	2.6	2.4	2.0	2.4	2.4	2.8	2.5	2.8	2.8	2.9	3.4
Hypertensive heart disease (402)	10.1	6.0	9.8	7.0	5.6	9.5	7.1	8.0	5.9	2.8	9.8	4.8
Hypertensive heart and renal disease (404)	1.4	1.3	1.2	1.3	.6	.5	2.1	1.2	.1	.7	1.1	.8
Ischemic heart disease (410-414)	232.7	226.9	228.9	225.8	237.1	190.0	234.8	248.0	201.0	240.5	215.0	213.7
Acute myocardial infarction (410)	104.2	110.9	107.1	105.8	121.6	84.4	116.8	117.7	117.1	144.2	106.7	113.5
Other acute and subacute forms of ischemic heart disease (411)	.9	.6	1.3	.4	.6	.5	.6	.5	.9	.7	.6	.7
Angina pectoris (413)	.4	.3	.3	.5	.5	.7	.5	.4	.4	.7	.3	.5
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	127.2	151.1	120.2	119.1	114.5	104.3	116.8	127.4	83.2	95.0	107.4	99.0
Other diseases of endocardium (424)	4.8	4.8	4.3	4.2	5.9	5.8	6.0	5.1	5.6	4.8	5.7	5.0
All other forms of heart disease (415-423,425-429)	92.7	76.4	84.2	86.8	69.1	74.3	106.6	96.5	92.8	112.5	92.9	95.3

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Table 1-14. Death Rates for 72 Selected Causes: United States, Each Division and State, 1988—Con.

[Rates per 100,000 population in each area. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	East North Central Division					West North Central Division						
	Ohio	Indiana	Illinois	Michigan	Wisconsin	Minnesota	Iowa	Missouri	North Dakota	South Dakota	Nebraska	Kansas
<b>Major cardiovascular diseases—Con.</b>												
Hypertension with or without renal disease (401,403)	3.5	3.3	4.0	3.3	3.4	5.1	4.2	3.7	4.2	3.5	3.9	3.1
Cerebrovascular diseases (430-438)	82.1	70.0	59.9	56.8	68.8	69.9	78.1	71.1	64.6	73.2	72.3	71.3
Intracerebral and other intracranial hemorrhage (431-432)	8.3	8.3	9.4	8.5	8.8	7.6	7.1	9.4	8.1	7.3	6.7	8.0
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.8)	9.7	9.4	10.6	10.3	8.0	7.0	10.2	9.8	6.4	6.0	8.2	8.7
Cerebral aneurysm (434.1)	.3	.3	.3	.3	.4	.3	.7	.3	.6	.1	.2	.3
All other and late effects of cerebrovascular diseases (430,433,435-439)	49.8	52.1	39.6	37.7	52.6	55.0	60.2	51.5	49.5	59.7	57.2	53.8
Atherosclerosis (440)	9.4	12.1	9.1	12.9	8.7	9.8	17.6	8.6	14.7	9.7	18.1	13.5
Other diseases of arteries, arterioles, and capillaries (441-448)	10.4	9.8	9.3	9.7	11.1	9.8	11.9	10.6	10.0	10.0	10.4	10.2
Acute bronchitis and bronchiolitis (466)	.2	.2	.3	.3	.3	.2	.2	.3	.3	.3	.2	.2
Pneumonia and influenza (480-487)	29.0	28.8	33.1	29.1	37.1	35.7	44.4	37.7	31.5	43.2	45.7	38.1
Pneumonia (480-486)	29.3	28.4	32.7	28.5	36.0	34.2	42.0	37.2	30.1	40.0	43.9	36.2
Influenza (487)	.6	.4	.4	.6	1.0	1.4	2.4	.5	1.3	3.2	1.7	1.8
Chronic obstructive pulmonary diseases and allied conditions (490-498)	37.5	37.4	30.4	31.4	32.7	30.1	42.5	40.5	30.4	33.7	38.4	40.4
Bronchitis, chronic and unspecified (490-491)	1.9	1.7	1.4	1.2	1.2	1.3	1.5	1.9	1.3	1.3	2.0	2.1
Emphysema (492)	6.4	7.3	6.6	7.6	6.0	4.8	6.1	6.0	5.1	6.1	7.2	6.0
Asthma (493)	1.6	1.7	1.7	1.6	1.6	1.6	1.9	1.5	2.4	2.1	2.9	2.3
Other chronic obstructive pulmonary diseases and allied conditions (494-498)	27.6	26.7	20.7	20.9	23.9	22.3	33.0	31.1	21.6	22.2	24.3	30.0
Ulcer of stomach and duodenum (531-533)	2.4	2.3	3.0	2.7	2.8	1.9	3.2	3.0	3.1	3.4	3.9	3.1
Appendicitis (540-543)	.2	.2	.2	.3	.2	.1	.2	.1	.3	-	.1	.2
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	2.1	2.4	2.4	2.0	2.7	2.5	2.5	2.9	1.9	2.9	3.2	3.2
Chronic liver disease and cirrhosis (571)	8.9	8.3	10.8	11.7	8.1	6.8	6.8	7.3	8.7	7.3	6.4	7.1
Cholelithiasis and other disorders of gallbladder (574-576)	1.1	1.4	1.3	1.1	1.2	1.3	1.7	1.3	1.6	1.4	1.5	1.6
Nephritis, nephrotic syndrome, and nephrosis (580-589)	10.3	11.2	10.7	9.2	8.7	8.9	7.1	12.1	8.5	8.8	10.0	10.5
Acute glomerulonephritis and nephrotic syndrome (580-581)	.2	.2	.1	.1	.1	.1	.2	.1	.3	-	.2	.2
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587)	.6	.8	.5	.4	.8	.6	1.1	.9	.7	1.1	.8	.7
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589)	9.5	10.2	10.2	8.6	7.8	8.2	5.8	11.1	7.5	7.7	9.2	9.7
Infections of kidney (590)	.6	.8	.7	.6	.7	.8	.7	.8	.8	1.1	.7	.7
Hyperplasia of prostate (600)	.2	.2	.2	.1	.4	.3	.1	.1	.1	.6	.8	.2
Complications of pregnancy, childbirth, and the puerperium (630-676)	.1	.1	.1	.1	.1	.1	.2	.1	-	.1	.1	.2
Pregnancy with abortive outcome (630-638)	.0	.0	.0	.0	-	.0	-	-	-	-	-	-
Other complications of pregnancy, childbirth, and the puerperium (640-670)	.1	.1	.1	.1	.1	.1	.2	.1	-	.1	.1	.2
Congenital anomalies (740-759)	4.7	5.2	5.5	5.0	5.1	5.1	4.9	4.9	6.7	5.0	6.1	4.0
Certain conditions originating in the perinatal period (760-770)	6.6	7.1	8.9	8.2	4.9	4.7	4.7	6.9	4.3	5.9	5.5	5.7
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769)	1.8	1.3	2.3	1.9	1.1	1.3	.7	1.7	1.9	1.8	.8	1.0
Other conditions originating in the perinatal period (780-786,770-779)	4.8	5.8	6.6	7.3	3.8	3.4	4.0	5.2	2.4	4.1	4.7	4.6
Symptoms, signs, and ill-defined conditions (780-789)	14.0	9.6	8.9	3.7	4.4	17.5	5.9	23.5	10.2	8.4	21.8	15.8
All other diseases (Residual)	68.8	68.4	67.7	62.1	75.6	71.3	79.6	75.6	62.8	64.7	79.8	75.4
Accidents and adverse effects (E800-E949)	34.6	39.0	37.9	35.1	34.8	34.7	41.4	43.6	35.8	40.4	38.5	40.2
Motor vehicle accidents (E810-E829)	16.8	20.0	17.7	19.6	17.3	15.7	20.4	21.0	18.1	20.8	18.6	20.6
All other accidents and adverse effects (E800-E807,E826-E849)	18.0	19.0	20.2	15.5	17.5	19.0	21.0	22.5	17.7	19.6	19.9	19.7
Suicide (E850-E859)	11.2	11.6	10.8	11.8	13.5	11.3	11.2	13.3	10.6	11.5	10.4	12.3
Homicide and legal intervention (E860-E878)	5.2	5.9	9.8	11.5	3.5	2.9	1.9	8.5	2.4	4.5	3.4	4.0
All other external causes (E890-E899)	.7	1.0	1.3	1.3	1.0	1.1	.8	1.3	1.2	1.3	.8	.8

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Table 1-14. Death Rates for 72 Selected Causes: United States, Each Division and State, 1988—Con.

[Rates per 100,000 population in each area. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	South Atlantic Division								
	Delaware	Maryland	District of Columbia	Virginia	West Virginia	North Carolina	South Carolina	Georgia	Florida
All causes	874.1	836.3	1,242.1	781.5	1,055.1	888.3	848.1	814.0	1,062.4
Shigellosis and amebiasis (004,008)	—	—	0.2	—	—	—	—	—	0.0
Certain other intestinal infections (007-009)	0.2	0.2	.2	0.1	0.1	0.2	0.1	0.2	.2
Tuberculosis (010-018)	.8	.8	2.1	.8	1.2	1.1	.7	1.1	1.2
Tuberculosis of respiratory system (010-012)	.2	.4	1.1	.4	1.0	.8	.8	.8	.9
Other tuberculosis (013-018)	.6	.2	1.0	.2	.2	.3	.1	.3	.3
Whooping cough (039)	—	—	—	—	—	—	—	—	—
Streptococcal sore throat, scarlatina, and erysipelas (034-035)	—	—	—	—	—	—	.0	—	—
Meningococcal infection (036)	—	.0	—	.2	.1	.2	.1	.1	.1
Septicemia (038)	11.4	14.1	25.8	10.6	13.1	8.2	7.0	7.7	8.8
Acute poliomyelitis (045)	—	—	—	—	—	—	—	—	—
Measles (055)	—	—	—	—	—	—	—	—	.0
Viral hepatitis (070)	.2	.5	.5	.5	.9	.7	.5	.5	.7
Syphilis (080-097)	—	.0	.5	.0	—	.1	—	.0	.1
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-044, 048-054,056-068,071-088,098-139)	8.4	8.8	45.7	8.8	3.5	6.2	5.9	10.2	14.0
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	217.7	201.0	283.9	184.5	231.7	185.8	177.1	171.2	258.0
Malignant neoplasms of lip, oral cavity, and pharynx (140-149)	4.5	3.5	8.8	3.2	3.4	3.6	3.7	3.8	4.9
Malignant neoplasms of digestive organs and peritoneum (150-159)	48.9	49.2	72.1	41.8	51.9	45.3	41.5	36.0	61.2
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	64.8	59.4	66.3	55.5	75.6	58.5	54.2	52.5	77.5
Malignant neoplasm of breast (174-175)	22.4	17.3	24.1	18.2	17.6	16.9	15.8	14.5	20.9
Malignant neoplasms of genital organs (179-187)	21.5	20.4	33.9	20.5	22.6	22.7	20.2	19.2	28.4
Malignant neoplasms of urinary organs (188-189)	6.8	7.6	7.0	6.6	8.0	7.4	6.8	6.0	10.7
Malignant neoplasms of all other and unspecified sites (170-173,190-189)	31.7	28.8	31.9	24.8	32.2	23.9	19.5	24.4	27.2
Leukemia (204-206)	7.6	6.8	7.9	8.1	8.4	7.0	8.1	6.2	8.8
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)	8.4	10.2	12.0	8.8	11.9	10.5	9.9	8.8	13.4
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	3.5	2.6	4.4	2.4	3.5	2.1	1.8	3.0	3.2
Diabetes mellitus (250)	22.3	18.7	22.0	12.5	20.8	20.4	15.9	14.4	17.3
Nutritional deficiencies (260-269)	1.5	.8	1.8	1.1	2.2	1.4	1.6	1.3	1.3
Anemias (280-285)	1.5	1.7	1.8	1.6	2.4	1.5	1.7	1.7	2.1
Meningitis (320-322)	.3	.5	1.3	.4	.4	.4	.7	.5	.5
Major cardiovascular diseases (390-448)	373.8	348.6	440.2	345.2	494.2	393.7	387.9	348.0	478.8
Diseases of heart (390-398,402,404-428)	309.8	278.2	355.9	288.6	397.1	299.4	293.9	266.7	380.4
Rheumatic fever and rheumatic heart disease (390-398)	3.2	2.0	1.8	1.7	2.2	2.1	1.9	1.5	3.5
Hypertensive heart disease (402)	18.5	13.0	46.5	6.3	8.7	9.8	8.8	9.9	11.9
Hypertensive heart and renal disease (404)	1.5	.8	3.1	.8	1.0	1.8	1.5	1.2	.9
Ischemic heart disease (410-414)	162.4	132.5	132.4	163.1	243.7	210.3	188.2	162.5	267.2
Acute myocardial infarction (410)	84.1	73.5	64.2	85.6	128.6	118.6	113.9	100.5	118.0
Other acute and subacute forms of ischemic heart disease (411)	1.2	1.3	.8	8.8	.7	.8	4.4	1.4	1.5
Angina pectoris (413)	.3	.8	.2	.5	.5	.8	.7	.4	.5
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	78.8	57.1	67.4	67.5	113.9	90.3	69.1	60.2	149.1
Other diseases of endocardium (424)	5.9	3.8	4.7	4.4	5.0	4.8	3.7	3.2	6.6
All other forms of heart disease (415-423,425-429)	117.3	124.1	167.4	92.3	136.8	70.9	89.8	88.4	90.3

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Table 1-14. Death Rates for 72 Selected Causes: United States, Each Division and State, 1988—Con.

[Rates per 100,000 population in each area. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix.]

Cause of death	South Atlantic Division								
	Delaware	Maryland	District of Columbia	Virginia	West Virginia	North Carolina	South Carolina	Georgia	Florida
<b>Major cardiovascular diseases—Con.</b>									
Hypertension with or without renal disease (401,403)	2.1	3.1	5.2	2.7	4.3	4.4	5.4	3.5	4.7
Coronary diseases (430-438)	44.7	51.3	64.5	58.5	68.8	73.6	74.7	63.7	71.5
Intracerebral and other intracranial hemorrhage (431-432)	5.6	8.6	16.0	8.5	8.8	9.7	11.1	8.9	11.0
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.8)	6.8	6.5	9.2	8.0	9.0	10.5	9.9	8.4	13.0
Cerebral embolism (434.1)	-	2	0	4	1	2	2	3	3
All other and late effects of cerebrovascular diseases (430,433,435-438)	32.3	36.0	38.6	41.6	51.9	53.2	53.5	46.1	47.3
Atherosclerosis (440)	5.8	6.4	3.7	6.8	11.1	6.4	5.2	6.2	9.8
Other diseases of arteries, arterioles, and capillaries (441-448)	11.2	9.6	10.9	8.6	11.9	9.9	6.7	7.9	12.4
Acute bronchitis and bronchiolitis (466)	-	1	2	2	5	3	2	1	3
Pneumonia and influenza (480-487)	22.9	27.9	44.7	28.0	36.7	29.7	21.5	28.1	27.3
Pneumonia (480-486)	22.4	27.0	44.4	27.9	36.2	28.1	20.4	25.4	27.1
Influenza (487)	5	9	3	1.1	5	1.6	1.1	6	2
Chronic obstructive pulmonary diseases and allied conditions (490-498)	30.2	30.4	23.5	27.3	48.1	32.3	27.4	29.0	43.1
Bronchitis, chronic and unspecified (490-491)	1.1	1.3	5	1.0	2.6	1.7	1.3	1.3	2.0
Emphysema (492)	7.9	5.0	3.9	4.8	7.0	4.9	5.0	6.3	8.7
Asthma (493)	1.1	1.8	2.6	1.8	1.8	2.0	1.8	2.0	1.8
Other chronic obstructive pulmonary diseases and allied conditions (494-498)	20.2	22.3	16.5	19.6	36.7	23.7	19.3	19.5	30.6
Ulcer of stomach and duodenum (531-533)	2.3	1.8	2.9	2.1	2.3	2.9	2.3	2.2	3.2
Appendicitis (540-543)	-	2	2	1	1	2	3	3	2
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	3.0	2.9	3.4	1.7	2.3	2.4	2.4	2.4	2.4
Chronic liver disease and cirrhosis (571)	9.7	9.8	34.7	9.0	8.8	10.8	9.4	9.2	13.6
Cholelithiasis and other disorders of gallbladder (574-576)	3	8	6	9	1.7	1.4	1.0	1.5	1.2
Nephritis, nephrosis syndrome, and nephrosis (580-588)	13.9	10.7	19.4	7.3	13.0	7.2	6.4	8.5	9.1
Acute glomerulonephritis and nephrotic syndrome (580-581)	2	1	3	1	1	2	1	1	2
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587)	5	3	1.0	5	4	7	1.1	7	8
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589)	13.3	10.3	18.2	6.7	12.4	6.3	5.2	7.7	8.1
Infections of kidney (590)	8	5	8	5	8	8	9	7	7
Hyperplasia of prostate (600)	2	2	5	1	1	2	3	2	2
Complications of pregnancy, childbirth, and the puerperium (630-676)	2	1	3	2	1	2	1	1	1
Pregnancy with abortive outcome (630-638)	-	0	3	0	-	0	-	0	0
Other complications of pregnancy, childbirth, and the puerperium (640-676)	2	1	-	1	1	2	1	1	1
Congenital anomalies (740-759)	7.0	5.0	4.2	4.9	4.9	5.4	5.8	5.4	5.3
Certain conditions originating in the perinatal period (760-779)	10.2	10.5	26.0	8.0	4.6	9.5	10.4	10.9	7.7
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769)	1.1	2.2	7.3	1.2	1.8	1.8	1.9	2.6	1.8
Other conditions originating in the perinatal period (780-783,770-778)	9.1	8.3	20.7	6.8	2.8	7.7	8.5	8.4	5.9
Symptoms, signs, and ill-defined conditions (780-789)	5.9	12.4	50.2	8.3	8.7	6.8	7.0	9.6	14.9
All other diseases (Residual)	65.6	68.1	111.8	67.0	83.4	75.0	75.4	70.6	77.7
Accidents and adverse effects (E800-E949)	43.8	33.3	39.1	37.1	47.7	49.5	55.9	49.6	43.7
Motor vehicle accidents (E810-E825)	23.6	17.4	13.0	17.0	26.4	24.7	30.1	27.6	25.1
All other accidents and adverse effects (E800-E807,E826-E949)	20.2	15.9	26.1	20.1	21.3	24.8	25.8	22.0	18.6
Suicide (E950-E959)	13.2	11.3	7.8	12.8	11.4	12.1	9.9	13.4	16.7
Homicide and legal intervention (E960-E978)	4.7	10.6	49.9	8.2	5.8	9.0	10.0	12.8	13.9
All other external causes (E980-E999)	1.2	5.7	9.9	4	9	4	3	1.3	9

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Table 1-14. Death Rates for 72 Selected Causes: United States, Each Division and State, 1988—Con.

[Rates per 100,000 population in each area. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	East South Central Division				West South Central Division			
	Kentucky	Tennessee	Alabama	Mississippi	Arkansas	Louisiana	Oklahoma	Texas
All causes	855.6	835.1	853.9	947.9	1,038.8	853.0	926.3	729.6
Shigellosis and amebiasis (004,006)	-	0.0	-	-	-	-	-	0.0
Certain other intestinal infections (007-009)	0.1	.1	0.1	0.1	0.1	0.2	0.0	.1
Tuberculosis (010-018)	1.0	1.2	1.0	1.1	1.2	1.1	.9	.8
Tuberculosis of respiratory system (010-012)	.8	1.0	.8	.9	.9	.9	.7	.6
Other tuberculosis (013-018)	.1	.3	.2	.3	.3	.2	.2	.2
Whooping cough (033)	-	-	-	-	-	-	-	-
Streptococcal sore throat, scarlatina, and erysipelas (034-035)	.0	-	-	-	-	-	-	.0
Meningococcal infection (036)	.1	.1	.1	.1	.2	.1	.1	.1
Septicemia (039)	6.4	7.1	7.9	6.2	12.4	11.5	7.9	8.9
Acute poliomyelitis (045)	-	-	-	-	-	-	-	-
Measles (055)	-	-	-	-	-	-	-	-
Viral hepatitis (070)	.4	.8	.7	.7	.3	.5	.7	.4
Syphilis (090-097)	-	.0	-	-	-	.1	.0	.0
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044, 045-054,056-066,071-089,098-139)	3.9	5.0	5.7	5.9	5.4	8.0	5.2	9.5
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	215.3	201.1	206.2	201.4	225.8	190.8	197.3	153.8
Malignant neoplasms of lip, oral cavity, and pharynx (140-149)	3.2	3.2	3.4	3.4	2.5	3.3	3.1	2.7
Malignant neoplasms of digestive organs and peritoneum (150-159)	46.5	44.3	43.8	48.5	50.9	44.8	43.2	34.6
Malignant neoplasms of respiratory and intrathoracic organs (160-185)	73.8	64.5	63.3	62.3	75.1	59.8	62.6	45.3
Malignant neoplasm of breast (174-175)	15.8	16.5	18.2	14.5	18.3	15.0	15.0	11.9
Malignant neoplasms of genital organs (179-187)	22.8	23.1	24.5	23.5	23.3	19.1	22.0	15.5
Malignant neoplasms of urinary organs (188-189)	8.8	7.8	6.8	6.9	8.6	7.0	7.7	5.7
Malignant neoplasms of all other and unspecified sites (170-173,190-195)	26.5	24.1	31.5	25.5	28.8	25.0	25.8	23.6
Leukemia (204-206)	6.7	6.5	7.0	6.9	9.3	6.5	7.1	8.3
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)	11.3	11.3	10.7	10.0	13.0	10.3	11.1	8.3
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	3.0	2.9	3.1	2.7	2.3	2.8	2.6	1.8
Diabetes mellitus (250)	22.7	15.1	19.9	19.0	17.5	19.6	16.6	12.2
Nutritional deficiencies (280-289)	1.3	1.0	1.8	1.2	2.0	1.0	1.3	1.0
Anemias (280-285)	1.9	1.5	1.9	1.6	2.3	2.4	1.3	1.2
Meningitis (320-322)	.4	.2	.3	.7	.8	.5	.3	.5
Major cardiovascular diseases (390-448)	431.0	424.8	418.3	448.2	470.1	380.3	435.3	306.4
Diseases of heart (390-398,402,404-429)	398.0	327.7	323.5	352.7	358.4	303.0	339.6	242.5
Rheumatic fever and rheumatic heart disease (390-398)	2.0	2.0	1.4	1.4	1.8	1.5	1.8	1.3
Hypertensive heart disease (402)	5.9	10.8	10.7	11.1	4.8	14.2	4.8	8.0
Hypertensive heart and renal disease (404)	.9	1.2	1.2	1.8	.9	1.3	.6	.7
Ischemic heart disease (410-414)	228.3	213.6	184.4	192.5	232.4	181.4	235.8	133.9
Acute myocardial infarction (410)	148.9	128.1	117.8	121.8	148.8	89.6	118.7	74.0
Other acute and subacute forms of ischemic heart disease (411)	.3	1.1	.4	.5	.5	.8	18.2	.6
Angina pectoris (413)	.5	.5	.5	.4	.5	.8	.3	.3
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	78.7	85.8	65.7	70.0	84.6	80.3	97.6	59.1
Other diseases of endocardium (424)	3.3	3.9	4.3	2.9	4.0	3.5	4.4	2.9
All other forms of heart disease (415-423,425-429)	96.6	96.4	121.8	142.9	115.7	101.1	92.1	95.7

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Table 1-14. Death Rates for 72 Selected Causes: United States, Each Division and State, 1988—Con.

[Rates per 100,000 population in each area. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	East South Central Division				West South Central Division			
	Kentucky	Tennessee	Alabama	Mississippi	Arkansas	Louisiana	Oklahoma	Texas
<b>Major cardiovascular diseases-Con.</b>								
Hypertension with or without renal disease (401,403) .....	3.7	2.8	4.5	4.7	3.8	2.9	3.0	2.3
Cerebrovascular diseases (430-439) .....	88.9	76.2	71.2	76.1	88.9	58.4	71.1	48.5
Intracerebral and other intracranial hemorrhage (431-432) .....	8.0	9.1	10.5	10.0	10.7	8.2	6.8	6.9
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) .....	9.8	10.2	9.0	8.7	8.4	7.0	6.8	5.5
Cerebral embolism (434.1) .....	.3	.3	.2	.3	.4	.1	.3	.2
All other and late effects of cerebrovascular diseases (430,433,435-439) .....	50.6	56.6	51.5	57.0	69.4	43.0	67.2	35.9
Atherosclerosis (440) .....	10.2	8.8	9.3	7.5	8.7	8.5	12.0	6.9
Other diseases of arteries, arterioles, and capillaries (441-449) .....	10.2	9.3	9.7	8.3	9.4	7.4	9.7	6.1
Acute bronchitis and bronchiolitis (466) .....	.5	.3	.3	.3	.4	.6	.2	.1
Pneumonia and influenza (480-487) .....	35.9	33.2	28.8	27.1	41.7	23.2	36.0	23.7
Pneumonia (480-486) .....	34.6	32.6	27.7	26.5	40.5	22.3	34.8	23.0
Influenza (487) .....	1.3	.6	1.1	.8	1.2	.8	1.2	.7
Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	41.1	95.6	95.1	90.7	98.2	25.9	37.2	24.3
Bronchitis, chronic and unspecified (490-491) .....	2.6	1.4	1.3	1.7	1.6	1.3	1.0	.9
Emphysema (492) .....	6.5	5.7	5.9	5.1	7.1	4.9	7.2	4.9
Asthma (493) .....	2.1	1.6	1.8	1.5	1.3	2.0	2.0	1.4
Other chronic obstructive pulmonary diseases and allied conditions (494-496) .....	29.8	26.9	26.0	22.4	28.1	17.6	27.0	17.1
Ulcer of stomach and duodenum (531-533) .....	2.6	2.7	2.4	1.6	2.5	1.9	2.4	1.6
Appendicitis (540-543) .....	.2	.3	.3	.1	.2	.2	.1	.1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	9.2	2.4	2.6	2.6	2.7	2.2	2.5	1.9
Chronic liver disease and cirrhosis (571) .....	8.7	8.4	9.8	8.1	7.0	7.4	8.9	8.4
Cholelithiasis and other disorders of gallbladder (574-576) .....	2.1	1.8	2.3	1.7	1.5	1.0	1.4	1.2
Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	10.1	8.9	10.9	10.9	16.2	12.6	12.9	8.1
Acute glomerulonephritis and nephrotic syndrome (580-581) .....	.2	.3	.2	.1	.2	.2	.3	.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) .....	.6	1.3	.7	.8	1.1	.7	.7	.9
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589) .....	9.4	7.3	10.0	10.0	14.9	11.7	11.9	7.6
Infections of kidney (590) .....	.7	.9	1.6	1.1	1.5	.9	1.7	.7
Hyperplasia of prostate (600) .....	.1	.2	.3	.3	.3	.0	.1	.1
Complications of pregnancy, childbirth, and the puerperium (630-676) .....	.1	.2	.2	.3	.3	.2	.2	.1
Pregnancy with abortive outcome (630-638) .....	-	-	-	.0	.0	.0	-	.0
Other complications of pregnancy, childbirth, and the puerperium (640-676) .....	.1	.2	.2	.2	.2	.2	.2	.1
Congenital anomalies (740-759) .....	5.8	4.6	5.5	5.9	5.2	6.0	5.0	5.6
Certain conditions originating in the perinatal period (760-779) .....	5.6	7.3	8.9	8.8	5.9	8.9	4.8	6.8
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769) .....	1.5	1.5	1.9	2.8	1.3	1.5	1.4	1.5
Other conditions originating in the perinatal period (700-766,770-779) .....	4.1	5.8	7.0	6.0	4.7	7.4	3.3	5.3
Symptoms, signs, and ill-defined conditions (780-799) .....	8.8	18.4	18.5	11.0	23.9	8.6	11.3	29.7
All other diseases (Residual) .....	75.1	74.2	78.4	69.0	77.7	63.1	66.3	54.9
Accidents and adverse effects (E800-E949) .....	46.1	49.4	54.5	54.8	51.7	44.5	44.2	38.8
Motor vehicle accidents (E810-E825) .....	23.6	26.4	28.0	29.8	27.3	21.9	21.5	20.6
All other accidents and adverse effects (E800-E807,E826-E949) .....	22.6	23.1	26.4	25.0	24.5	22.6	22.7	18.2
Suicide (E950-E958) .....	12.8	13.4	12.1	11.3	12.6	13.1	12.8	13.4
Homicide and legal intervention (E960-E978) .....	6.0	10.4	11.5	11.8	10.6	13.2	8.1	12.4
All other external causes (E980-E999) .....	.7	1.7	1.2	.6	1.4	.4	.6	.8



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Table 1-14. Death Rates for 72 Selected Causes: United States, Each Division and State, 1988—Con.

[Rates per 100,000 population in each area. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	Mountain Division								Pacific Division				
	Montana	Idaho	Wyoming	Colorado	New Mexico	Arizona	Utah	Nevada	Washington	Oregon	California	Alaska	Hawaii
All causes	842.4	767.8	677.7	646.8	691.8	793.5	546.8	804.0	781.8	896.6	761.1	393.9	553.3
Shigellosis and amebiasis (004,006)	0.1	-	-	-	-	0.0	-	-	-	-	0.0	-	-
Certain other intestinal infections (007-009)	.1	0.5	-	0.2	0.1	.1	0.1	0.1	0.1	0.0	.2	0.2	-
Tuberculosis (010-018)	.2	.1	-	.4	.5	.7	.2	.9	.5	.5	.8	.4	1.5
Tuberculosis of respiratory system (010-012)	-	.1	-	.3	.5	.8	.2	.7	.4	.3	.6	.4	.9
Other tuberculosis (013-018)	.2	-	-	.1	-	.1	-	.3	.1	.2	.2	-	.5
Whooping cough (033)	-	-	-	-	-	-	-	-	-	-	.0	-	-
Streptococcal sore throat, scarlatina, and erysipelas (034-035)	-	-	-	.0	-	-	-	-	-	.0	.0	-	-
Meningococcal infection (036)	-	.2	-	.1	.2	.1	-	.2	.1	.1	.2	-	-
Septicemia (038)	5.8	5.0	6.1	6.0	4.6	5.8	4.6	6.7	4.3	4.8	3.0	1.1	6.4
Acute poliomyelitis (045)	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (055)	-	-	-	-	-	-	-	-	-	.0	.0	-	-
Viral hepatitis (070)	-	.1	1.0	.8	.4	.3	.5	.7	.8	1.0	1.0	.8	.5
Syphilis (090-097)	-	-	-	.1	-	.1	-	-	.0	.0	.0	-	-
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044, 046-054,056-066,071-088,098-139)	2.5	3.8	2.3	7.2	4.4	7.8	4.0	8.0	6.8	6.4	13.9	2.3	7.9
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	191.7	158.8	145.7	194.9	144.7	180.0	101.1	183.3	178.3	210.6	168.5	85.7	139.3
Malignant neoplasms of lip, oral cavity, and pharynx (140-149)	3.4	2.1	1.9	2.1	1.9	2.4	1.1	2.3	2.4	2.8	3.1	2.7	2.6
Malignant neoplasms of digestive organs and peritoneum (150-159)	44.0	37.8	32.2	34.1	36.2	41.5	23.0	39.8	41.4	47.4	41.0	19.5	47.4
Malignant neoplasms of respiratory and intrathoracic organs (160-185)	52.4	40.8	37.2	32.5	34.5	54.1	16.0	69.6	51.9	61.9	47.0	28.4	35.8
Malignant neoplasm of breast (174-175)	14.2	11.4	12.3	13.7	12.8	14.2	10.5	14.6	16.9	18.1	14.7	5.7	8.3
Malignant neoplasms of genital organs (179-187)	23.2	19.6	16.5	16.7	17.8	18.8	16.3	17.3	20.8	24.4	18.9	7.4	14.0
Malignant neoplasms of urinary organs (188-189)	8.9	6.3	5.4	6.0	5.9	8.0	3.8	7.7	7.0	8.5	6.8	3.8	4.6
Malignant neoplasms of all other and unspecified sites (170-173,190-199)	25.8	21.7	22.3	16.2	22.0	23.4	18.6	26.9	21.8	23.9	21.3	11.3	14.5
Leukemia (204-208)	7.8	7.7	8.1	5.3	6.4	7.1	4.5	6.7	6.7	9.4	6.4	2.7	4.6
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)	11.9	11.5	8.8	8.2	7.3	10.4	7.3	8.3	10.4	14.1	9.7	4.4	7.7
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	3.2	3.2	1.5	1.3	2.3	3.0	2.6	2.5	2.8	2.3	2.3	1.0	2.2
Diabetes mellitus (250)	19.0	16.3	14.6	11.2	17.1	15.6	13.1	11.7	14.1	16.0	12.0	7.8	13.4
Nutritional deficiencies (260-269)	1.1	1.5	1.3	1.5	2.1	1.4	.8	1.6	1.1	1.1	.5	.8	.5
Anemias (280-285)	2.0	1.2	.6	1.3	.7	1.3	.7	1.2	1.3	1.4	1.0	.4	1.1
Meningitis (320-322)	.4	.7	.2	.5	1.1	.4	.4	.8	.3	.4	.5	.4	.2
Major cardiovascular diseases (390-448)	337.9	318.7	258.9	258.4	248.0	315.7	227.4	313.5	335.4	381.9	325.5	110.3	217.0
Diseases of heart (390-398,402,404-429)	257.3	237.1	191.9	196.2	189.8	251.5	175.3	258.3	252.7	281.1	249.5	86.7	167.3
Rheumatic fever and rheumatic heart disease (390-398)	4.2	4.5	1.7	3.8	2.6	2.8	4.3	2.2	3.1	3.5	2.7	2.3	2.7
Hypertensive heart disease (402)	3.0	2.3	3.3	4.1	4.2	4.4	4.8	24.1	5.2	6.7	9.7	1.3	6.5
Hypertensive heart and renal disease (404)	.5	.8	.2	.8	.5	.2	.8	.7	.8	1.3	.9	.2	.3
Ischemic heart disease (410-414)	185.2	157.5	114.4	141.9	93.5	182.1	97.3	123.7	160.1	208.4	170.6	56.1	94.8
Acute myocardial infarction (410)	87.2	85.8	88.3	65.7	47.9	77.6	50.5	65.1	73.4	79.2	69.7	25.6	44.4
Other acute and subacute forms of ischemic heart disease (411)	.6	.3	.2	.9	.1	4.9	.8	.7	.4	.3	.7	-	.3
Angina pectoris (413)	.1	.6	.2	.2	.1	.3	-	.2	.4	.9	.2	.2	-
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	77.3	71.0	45.7	75.1	45.5	99.3	46.2	57.8	65.8	128.1	100.0	30.3	50.1
Other diseases of endocardium (424)	5.1	4.0	1.7	3.9	3.2	4.7	3.8	3.4	6.6	7.1	4.8	3.8	3.9
All other forms of heart disease (415-423,425-429)	79.3	68.0	70.6	41.7	85.8	57.4	64.5	104.2	76.9	54.0	60.9	25.0	60.1

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Table 1-14. Death Rates for 72 Selected Causes: United States, Each Division and State, 1988—Con.

[Rates per 100,000 population in each area. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	Mountain Division								Pacific Division				
	Montana	Idaho	Wyoming	Colorado	New Mexico	Arizona	Utah	Nevada	Washington	Oregon	California	Alaska	Hawaii
<b>Major cardiovascular diseases—Con.</b>													
Hypertension with or without renal disease (401,403) .....	2.6	2.5	2.5	3.0	1.9	2.5	2.0	1.8	3.0	3.8	3.1	0.6	1.5
Cerebrovascular diseases (430-438) .....	57.0	60.1	48.9	40.1	42.0	43.9	40.8	39.5	60.2	72.5	56.5	16.4	39.2
Intracerebral and other intracranial hemorrhage (431-432) .....	7.7	7.7	5.8	6.0	6.8	6.9	4.5	7.5	7.5	6.5	8.2	2.9	9.7
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) .....	6.2	5.0	4.2	4.5	3.5	4.8	4.6	3.4	6.2	10.0	8.1	2.1	4.0
Cerebral embolism (434.1) .....	.1	.3	.2	.4	.2	.1	.3	.1	.3	.3	.3	-	.4
All other and late effects of cerebrovascular diseases (430,433,435-438) .....	43.0	47.2	38.6	29.3	31.6	32.0	31.4	28.5	46.1	53.7	40.0	11.5	25.0
Atherosclerosis (440) .....	10.9	8.3	6.1	10.8	7.0	9.1	4.4	6.4	10.2	14.0	8.3	1.0	3.5
Other diseases of arteries, arterioles, and capillaries (441-448) .....	10.1	10.8	9.6	8.3	7.4	8.5	4.9	7.6	9.4	10.6	8.2	3.6	5.6
Acute bronchitis and bronchiolitis (466) .....	.4	-	-	.2	.2	.1	.1	.3	.1	.2	.3	.4	-
Pneumonia and influenza (480-487) .....	30.9	34.2	31.1	29.8	24.3	28.6	24.3	25.0	28.3	33.4	33.0	8.8	17.9
Pneumonia (480-486) .....	28.3	30.6	29.2	28.7	23.5	28.2	23.8	24.8	26.6	31.7	32.2	8.4	17.9
Influenza (487) .....	2.6	3.6	1.9	1.1	.8	.4	.5	.2	1.7	1.7	.8	.4	-
<b>Chronic obstructive pulmonary diseases and allied conditions (480-486)</b>													
Bronchitis, chronic and unspecified (490-491) .....	2.5	2.1	.4	1.0	1.2	1.4	.9	1.3	1.5	1.8	2.0	.2	1.0
Emphysema (492) .....	7.1	8.3	6.1	7.1	6.8	9.6	4.6	8.6	6.5	10.0	7.8	1.7	2.3
Asthma (493) .....	2.8	2.4	1.7	2.7	1.9	2.8	1.8	1.6	1.9	2.9	2.1	1.0	2.0
Other chronic obstructive pulmonary diseases and allied conditions (494-498) .....	35.2	27.4	33.0	28.4	21.4	28.1	14.9	40.4	29.8	28.5	22.5	10.7	12.2
Ulcer of stomach and duodenum (531-533) .....	3.0	2.6	2.9	2.5	1.9	2.4	2.0	2.6	2.6	3.0	3.1	.4	1.6
Appendicitis (540-543) .....	.1	.1	-	.1	.4	.1	.1	.4	.1	.3	.2	-	-
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	1.7	2.4	1.5	1.8	1.3	1.7	2.2	1.0	2.3	1.9	1.9	1.1	1.3
Chronic liver disease and cirrhosis (571) .....	10.8	6.5	8.8	8.3	12.8	12.9	4.8	17.1	9.8	10.4	14.7	8.6	7.2
Cholelithiasis and other disorders of gallbladder (574-576) .....	1.2	1.4	1.5	1.2	2.2	1.0	.8	.9	1.2	1.7	1.0	-	.9
<b>Nephritis, nephrotic syndrome, and nephrosis (580-588)</b>													
Acute glomerulonephritis and nephrotic syndrome (580-581) .....	-	-	.2	.1	-	.2	-	-	.2	.0	.1	-	-
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) .....	1.0	.8	.2	1.2	.3	.5	.4	.3	.8	.6	.5	.2	.5
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-588,589-589) .....	7.0	5.4	4.6	3.1	5.9	7.2	5.4	9.1	4.5	3.7	4.9	2.3	4.3
Infections of kidney (590) .....	1.0	.3	.4	.5	.4	.7	.7	.3	.4	.9	.7	.4	.4
Hyperplasia of prostate (600) .....	-	.1	-	.2	.1	.1	.1	-	.2	.2	.2	-	.1
<b>Complications of pregnancy, childbirth, and the puerperium (630-676)</b>													
Pregnancy with abortive outcome (630-638) .....	.1	.1	.2	.2	.1	.1	.1	.1	.0	.1	.2	-	.2
Other complications of pregnancy, childbirth, and the puerperium (640-676) .....	.1	.1	.2	.1	.1	.1	.1	.1	.0	.1	.1	-	.1
<b>Congenital anomalies (740-758)</b>													
Certain conditions originating in the perinatal period (760-779) .....	4.2	3.4	3.1	6.1	7.7	7.4	4.3	4.7	4.8	4.4	7.0	9.0	6.0
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769) .....	1.6	.8	.2	1.2	2.5	1.4	.7	1.5	1.7	1.4	1.8	3.1	1.7
Other conditions originating in the perinatal period (760-766,770-779) .....	2.6	2.6	2.9	4.9	5.2	6.0	3.6	3.2	3.1	3.0	5.2	5.9	4.3
Symptoms, signs, and ill-defined conditions (780-799) .....	15.4	9.9	10.9	6.5	8.3	7.2	8.4	9.1	7.2	15.1	8.4	12.8	11.0
All other diseases (Residual) .....	78.8	67.7	59.9	56.1	68.3	64.4	52.8	65.3	67.3	77.5	53.1	24.8	50.1
<b>Accidents and adverse effects (E800-E949)</b>													
Motor vehicle accidents (E810-E825) .....	24.3	24.2	25.7	17.1	32.2	26.5	18.2	25.0	18.9	24.9	19.9	20.2	13.3
All other accidents and adverse effects (E830-E807,E826-E949) .....	22.4	30.4	27.8	17.3	24.5	22.0	16.8	17.7	18.6	20.5	17.5	54.2	16.4
Suicide (E950-E959) .....	18.0	17.8	16.9	18.1	22.8	19.5	13.6	26.0	15.5	16.9	13.7	10.5	7.9
Homicide and legal intervention (E960-E978) .....	4.2	3.7	2.7	5.8	11.1	9.3	3.2	9.9	5.9	5.4	10.7	5.2	3.2
All other external causes (E980-E999) .....	1.1	1.2	2.5	2.1	2.9	.9	2.2	1.3	1.9	1.0	.7	4.4	.9

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Table 1-15. Maternal Deaths and Maternal Mortality Rates for Selected Causes, by 5-Year Age Groups and Race: United States, 1988

[Maternal deaths are those assigned to Complications of pregnancy, childbirth, and the puerperium, category numbers 630-676 of the Ninth Revision International Classification of Diseases, 1975. Rates per 100,000 live births in specified group]

Cause of death and race	Number of deaths								Rate per 100,000 live births							
	Total	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45 years and over	Total	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45 years and over
Complications of pregnancy, childbirth, and the puerperium (630-676)	330	34	77	76	75	52	14	2	8.4	7.0	7.2	6.1	9.3	19.3	35.6	140.2
White	180	12	44	46	47	23	8	-	5.9	3.8	5.5	4.6	7.1	10.6	25.7	-
All other	150	22	33	30	28	29	6	2	17.4	13.0	12.6	13.1	19.7	56.0	72.5	481.9
Black	131	18	32	24	25	26	4	2	19.5	11.8	14.5	14.3	26.7	79.9	80.3	985.2
Pregnancy with abortive outcome (630-638)	61	8	15	12	13	9	4	-	1.6	1.6	1.4	1.0	1.6	3.3	10.2	-
White	23	1	8	5	6	2	1	-	.8	.3	1.0	.5	.9	3.2	-	-
All other	38	7	7	7	7	7	3	-	4.4	4.1	2.7	3.1	4.9	13.5	36.2	-
Black	35	5	7	7	6	7	3	-	5.2	3.3	3.2	4.2	6.4	21.5	60.2	-
Ectopic pregnancy (639)	44	4	10	11	10	8	3	-	1.1	.8	.9	.9	1.2	2.2	7.6	-
White	18	-	7	5	4	1	1	-	.6	-	.9	.5	.6	.5	3.2	-
All other	26	4	3	6	6	5	2	-	3.0	2.4	1.1	2.6	4.2	9.7	24.2	-
Black	24	3	3	6	5	5	2	-	3.6	2.0	1.4	3.6	5.3	15.4	40.2	-
Spontaneous abortion (634)	3	-	2	-	-	1	-	-	.1	-	.2	-	-	.4	-	-
White	1	-	1	-	-	-	-	-	.0	-	.1	-	-	-	-	-
All other	2	-	1	-	-	1	-	-	.2	-	.4	-	-	1.9	-	-
Black	2	-	1	-	-	1	-	-	.3	-	.5	-	-	3.1	-	-
Legally induced abortion (635)	5	2	1	-	1	1	-	-	.1	.4	.1	-	.1	.4	-	-
White	1	-	-	-	-	1	-	-	.0	-	-	-	-	.5	-	-
All other	4	2	1	-	1	-	-	-	.5	1.2	.4	-	.7	-	-	-
Black	3	1	1	-	1	-	-	-	.4	.7	.5	-	1.1	-	-	-
Illegally induced abortion (636)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other pregnancy with abortive outcome (630-632,637-638)	9	2	2	1	2	1	1	-	.2	.4	.2	.1	.2	.4	2.5	-
White	3	1	-	-	2	-	-	-	.1	.3	-	-	.3	-	-	-
All other	6	1	2	1	-	1	1	-	.7	.6	.8	.4	-	1.9	12.1	-
Black	6	1	2	1	-	1	1	-	.9	.7	.9	.8	-	3.1	20.1	-
Direct obstetric causes (640-646,651-676)	252	25	57	62	58	39	10	1	8.4	5.1	5.3	5.0	7.2	14.5	25.4	70.1
White	143	11	34	41	39	17	7	-	4.9	3.4	4.2	4.1	5.9	7.8	22.5	-
All other	103	14	23	21	19	22	3	1	11.8	8.3	8.8	9.2	13.4	42.5	36.2	241.0
Black	87	12	22	15	17	19	1	1	12.0	7.9	10.0	8.9	18.1	58.4	20.1	492.6
Hemorrhage of pregnancy and childbirth (640-641,666)	35	2	6	16	6	4	1	-	.9	.4	.6	1.3	.7	1.5	2.5	-
White	19	1	3	8	5	2	-	-	.6	.3	.4	.8	.8	.9	-	-
All other	16	1	3	8	1	2	1	-	1.9	.6	1.1	3.5	.7	3.9	12.1	-
Black	8	-	2	4	-	2	-	-	1.2	-	.9	2.4	-	6.1	-	-
Toxemia of pregnancy (642.4-642.9,643)	58	6	13	14	15	10	-	-	1.5	1.2	1.2	1.1	1.9	3.7	-	-
White	36	2	6	12	11	5	-	-	1.2	.6	.7	1.2	1.7	2.3	-	-
All other	22	4	7	2	4	5	-	-	2.5	2.4	2.7	.9	2.8	9.7	-	-
Black	21	3	7	2	4	5	-	-	3.1	2.0	3.2	1.2	4.3	15.4	-	-
Obstructed labor (660)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Complications of the puerperium (670-678)	110	11	25	24	24	19	6	1	2.8	2.2	2.3	1.9	3.0	7.0	15.2	70.1
White	64	5	16	15	15	9	4	-	2.1	1.6	2.0	1.5	2.3	4.1	12.9	-
All other	46	6	9	9	9	10	2	1	5.3	3.5	3.4	3.8	6.3	19.3	24.2	241.0
Black	41	6	9	7	9	8	1	1	6.1	3.9	4.1	4.2	9.6	24.6	20.1	492.6
Other direct obstetric causes (642.0-642.3,644-646,651-659,661-665,667-669)	49	6	13	8	13	6	3	-	1.3	1.2	1.2	.6	1.6	2.2	7.6	-
White	30	3	9	6	8	1	3	-	1.0	.9	1.1	.6	1.2	.5	9.7	-
All other	19	3	4	2	5	5	-	-	2.2	1.6	1.5	.9	3.5	9.7	-	-
Black	17	3	4	2	4	4	-	-	2.5	2.0	1.8	1.2	4.3	12.3	-	-
Indirect obstetric causes (647-648)	16	1	5	2	3	4	-	1	.4	.2	.5	.2	.4	1.5	-	70.1
White	7	-	2	-	1	4	-	-	.2	-	.2	-	.2	1.8	-	-
All other	9	1	3	2	2	-	-	1	1.0	.6	1.1	.9	1.4	-	-	241.0
Black	9	1	3	2	2	-	-	1	1.3	.7	1.4	1.2	2.1	-	-	492.6
Delivery in a completely normal case (650)	1	-	-	-	1	-	-	-	.0	-	-	-	.1	-	-	-
White	1	-	-	-	1	-	-	-	.0	-	-	-	.2	-	-	-
All other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 Rates computed by relating deaths of women 45 years and over to live births among women 45-49 years.

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**Table 1-16. Maternal Mortality Rates by Race: Birth-Registration States or United States, 1915-88**

[Prior to 1933, data are for birth-registration States only. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix. Rates per 100,000 live births in specified group. Deaths are classified according to the International Classification of Diseases in use at the time]

Year	All races	White	All other		Year	All races	White	All other	
			Total	Black				Total	Black
1888	8.4	5.9	17.4	19.5	1981	36.9	24.9	101.3	105.4
1987	6.6	5.1	12.0	14.2	1980	37.1	26.0	97.9	103.6
1985	7.2	4.9	16.0	18.8	1959	37.4	25.8	102.1	105.0
1985	7.8	5.2	18.1	20.4	1958	37.6	26.3	101.8	104.5
1984	7.8	5.4	16.9	19.7	1957	41.0	27.5	118.3	121.6
1983	8.0	5.9	16.3	18.3	1956	40.9	28.7	110.7	114.3
1982	7.9	5.8	16.4	18.2	1955	47.0	32.8	130.3	134.3
1981	8.5	6.3	17.3	20.4	1954	52.4	37.2	143.8	145.9
1980	9.2	6.7	19.8	21.5	1953	61.1	44.1	166.1	169.3
1979	9.6	6.4	22.7	25.1	1952	67.8	48.9	188.1	189.2
1978	9.6	6.4	23.0	25.0	1951	75.0	54.9	201.3	204.2
1977	11.2	7.7	26.0	29.2	1950	83.3	61.1	221.6	223.0
1976	12.3	9.0	26.5	29.5	1949	90.3	68.1	234.8	237.6
1975	12.8	9.1	29.0	31.3	1948	116.6	89.4	301.0	303.6
1974	14.6	10.0	35.1	38.3	1947	134.5	108.6	334.6	336.2
1973	15.2	10.7	34.6	38.4	1946	156.7	130.7	358.9	363.6
1972	18.8	14.3	38.5	40.7	1945	207.2	172.1	454.8	456.7
1971	18.8	13.0	45.3	48.3	1944	227.9	189.4	506.0	513.9
1970	21.5	14.4	55.9	59.8	1943	245.2	210.5	509.9	512.8
1969	22.2	15.5	55.7	59.5	1942	258.7	221.8	544.0	549.1
1969	24.5	16.6	63.6	65.0	1941	316.5	266.0	678.1	680.2
1967	28.0	19.5	69.5	72.6	1940	376.0	319.8	773.5	781.7
1966	29.1	20.2	74.2	74.2	1935-39	493.9	439.9	875.5	884.1
1965	31.6	21.0	83.7	88.3	1930-34 <sup>3</sup>	636.0	575.4	1,080.7	1,047.4
1964	33.3	22.3	88.9	93.8	1925-29	668.6	615.0	1,163.7	1,217.3
1963	35.8	24.0	96.9	101.1	1920-24	689.5	649.2	1,134.3	---
1962	35.2	23.8	95.9	99.4	1915-19	727.9	700.3	1,253.5	---

1 Deaths based on a 50-percent sample.  
 2 Figures by race exclude data for residents of New Jersey; see Technical Appendix.  
 3 For 1932-34, Mexicans are included with "All other."

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Table 1-17. Maternal Deaths by Race: United States, Each Division and State, 1988.

[Maternal deaths are those assigned to Complications of pregnancy, childbirth, and the puerperium, category numbers 630-676 of the Ninth Revision International Classification of Diseases, 1975]

Division and State	All races	White	All other		Division and State	All races	White	All other	
			Total	Black				Total	Black
United States .....	330	180	150	131					
<b>Geographic divisions:</b>					<b>South Atlantic:</b>				
New England .....	11	10	1	1	Delaware .....	1	1	-	-
Middle Atlantic .....	53	32	21	20	Maryland .....	4	1	3	3
East North Central .....	45	21	24	23	District of Columbia .....	2	-	2	2
West North Central .....	20	14	6	5	Virginia .....	10	5	5	5
South Atlantic .....	55	17	38	38	West Virginia .....	1	1	-	-
East South Central .....	29	15	14	14	North Carolina .....	12	2	10	10
West South Central .....	46	24	22	20	South Carolina .....	4	2	2	2
Mountain .....	16	12	4	-	Georgia .....	9	1	8	6
Pacific .....	55	35	20	10	Florida .....	12	4	8	6
<b>New England:</b>					<b>East South Central:</b>				
Maine .....	3	3	-	-	Kentucky .....	5	5	-	-
New Hampshire .....	1	1	-	-	Tennessee .....	9	3	6	6
Vermont .....	1	1	-	-	Alabama .....	8	5	3	3
Massachusetts .....	3	2	1	1	Mississippi .....	7	2	5	5
Rhode Island .....	1	1	-	-	<b>West South Central:</b>				
Connecticut .....	2	2	-	-	Arkansas .....	6	1	5	5
<b>Middle Atlantic:</b>					Louisiana .....	10	3	7	6
New York .....	35	21	14	13	Oklahoma .....	6	3	3	2
New Jersey .....	10	5	5	5	Texas .....	24	17	7	7
Pennsylvania .....	8	6	2	2	<b>Mountain:</b>				
<b>East North Central:</b>					Montana .....	1	1	-	-
Ohio .....	7	3	4	4	Idaho .....	1	1	-	-
Indiana .....	7	4	3	3	Wyoming .....	1	1	-	-
Illinois .....	14	5	9	8	Colorado .....	5	4	1	-
Michigan .....	11	6	5	5	New Mexico .....	2	1	1	-
Wisconsin .....	6	3	3	3	Arizona .....	3	2	1	-
<b>West North Central:</b>					Utah .....	2	2	-	-
Minnesota .....	4	2	2	2	Nevada .....	1	-	1	-
Iowa .....	5	5	-	-	<b>Pacific:</b>				
Missouri .....	4	3	1	1	Washington .....	1	1	-	-
North Dakota .....	-	-	-	-	Oregon .....	2	1	1	-
South Dakota .....	1	-	1	-	California .....	50	33	17	10
Nebraska .....	2	2	-	-	Alaska .....	-	-	-	-
Kansas .....	4	2	2	2	Hawaii .....	2	-	2	-

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Table 1-18. Deaths and Death Rates for the 50 Largest Standard Metropolitan Statistical Areas in the United States and Their Component Counties: 1988

[Standard metropolitan statistical areas are those defined by the Office of Management and Budget for 1980 except for New England, where areas are New England County Metropolitan Areas. For further explanation of areas see Technical Appendix. Rates per 1,000 population]

Area	Number	Rate	Area	Number	Rate
50 largest U.S. SMSA's	968,470	8.5	Detroit, Mich	38,443	9.1
Anaheim-Santa Ana-Garden Grove, Calif	14,774	6.5	Lapeer	464	6.2
Orange	14,774	6.5	Livingston	646	5.7
Atlanta, Ga	17,118	6.6	Macomb	5,627	8.0
Butts	149	9.0	Oakland	7,947	7.6
Cherokee	457	5.3	St. Clair	1,315	9.0
Clayton	998	5.8	Wayne	22,444	10.6
Cobb	2,117	5.0	Fort Lauderdale-Hollywood, Fla	14,360	12.1
De Kalb	3,541	6.5	Broward	14,360	12.1
Douglas	408	5.6	Greensboro-Winston-Salem-High Point, N.C	7,755	8.6
Fayette	267	4.8	Davidson	962	7.7
Forsyth	282	6.6	Forsyth	2,402	9.0
Fulton	6,141	9.6	Guilford	2,976	8.8
Gwinnett	1,221	3.8	Randolph	848	8.3
Henry	365	6.8	Stokes	269	7.9
Newton	343	7.9	Yadkin	278	9.2
Paulding	228	6.3	Hartford-New Britain-Bristol, Conn	9,324	8.4
Rockdale	314	6.1	Hartford	7,452	8.8
Walton	287	8.0	Middlesex	1,132	8.1
Baltimore, Md	21,748	9.4	Tolland	740	5.9
Anno Arundel	2,749	6.8	Houston, Tex	20,727	6.0
Baltimore	8,215	9.0	Brazoria	1,129	6.1
Baltimore city	8,953	13.2	Fort Bend	805	3.9
Carroll	897	7.6	Harris	16,893	6.1
Harford	1,118	6.6	Liberty	539	10.2
Howard	816	5.0	Montgomery	1,185	6.6
Birmingham, Ala	8,837	10.0	Waller	176	7.5
Jefferson	7,114	10.5	Indianapolis, Ind	10,346	8.4
St. Clair	450	9.2	Boone	358	9.2
Shelby	573	6.5	Hamilton	581	5.7
Walker	700	10.1	Hancock	389	8.5
Boston-Lowell-Brockton-Lawrence-Haverhill, Mass	34,358	9.2	Hendricks	536	7.0
Essex	6,498	9.9	Johnson	722	8.4
Middlesex	11,839	8.7	Marion	7,106	9.0
Norfolk	5,719	9.4	Morgan	267	4.9
Plymouth	3,565	8.3	Shelby	387	9.6
Suffolk	6,677	10.0	Kansas City, Mo.-Kans	11,926	8.2
Buffalo, N.Y	12,773	10.9	Cass, Mo	474	7.7
Erie	10,517	11.0	Clay, Mo	1,059	7.0
Niagara	2,256	10.4	Jackson, Mo	6,252	9.7
Chicago, Ill	62,737	8.5	Platte, Mo	327	5.8
Cook	49,868	9.4	Ray, Mo	241	10.7
Du Page	4,390	5.8	Johnson, Kans	1,888	5.2
Kane	2,237	7.1	Wyandotte, Kans	1,765	10.2
Lake	3,058	6.2	Los Angeles-Long Beach, Calif	64,788	7.5
McHenry	1,190	7.0	Los Angeles	64,788	7.5
Will	2,294	8.6	Louisville, Ky-Ind	8,722	9.8
Cincinnati, Ohio-Ky-Ind	13,250	9.1	Bullitt, Ky	254	5.3
Clermont, Ohio	1,010	6.9	Jefferson, Ky	6,841	10.1
Hamilton, Ohio	8,664	9.9	Oldham, Ky	171	4.9
Warren, Ohio	781	7.0	Clark, Ind	628	9.3
Boone, Ky	357	6.4	Floyd, Ind	628	9.7
Campbell, Ky	839	10.2	Memphis, Tenn-Ark-Miss	8,428	8.6
Kenton, Ky	1,294	9.2	Shelby, Tenn	7,161	8.7
Dearborn, Ind	305	8.0	Tipton, Tenn	368	9.7
Cleveland, Ohio	18,627	10.1	Crittenden, Ark	488	9.5
Cuyahoga	15,655	10.9	De Soto, Miss	409	5.8
Geauga	802	6.3	Miami, Fla	18,405	10.1
Lake	1,737	8.1	Dade	18,405	10.1
Medina	733	6.1	Milwaukee, Wis	12,514	9.0
Columbus, Ohio	9,159	7.7	Milwaukee	9,456	10.2
Delaware	437	7.0	Ozaukee	448	6.2
Fairfield	855	8.4	Washington	664	7.1
Franklin	7,244	7.7	Waukesha	1,846	6.4
Madison	268	7.5	Minneapolis-St. Paul, Minn-Wis	16,203	6.9
Pickaway	355	7.6	Anoka, Minn	691	4.2
Dallas-Fort Worth, Tex	24,747	6.5	Carver, Minn	238	5.4
Collin	1,042	4.6	Chisago, Minn	271	9.2
Dallas	12,024	6.5	Dakota, Minn	1,087	4.3
Denton	1,046	4.6	Hennepin, Minn	7,788	7.7
Ellis	711	8.6	Ramsey, Minn	4,059	8.5
Hood	249	8.1	Scott, Minn	300	5.5
Johnson	763	7.8	Washington, Minn	674	4.9
Kaufman	519	9.3	Wright, Minn	428	6.2
Parker	481	7.4	St. Croix, Wis	367	7.4
Rockwall	196	4.9	Nashville-Davidson, Tenn	8,034	8.3
Tarrant	7,478	6.6	Cheatham	182	8.8
Wise	298	8.5	Davidson	4,683	8.2
Dayton, Ohio	7,176	8.5	Dickson	334	9.6
Greene	880	6.6	Robertson	378	8.8
Miami	818	8.9	Rutherford	740	6.6
Montgomery	5,155	9.0	Sumner	761	7.4
Probs	313	7.9	Williamson	454	5.8
Denver-Boulder, Colo	11,358	8.1	Wilson	502	7.3
Adams	1,480	5.3	Nassau-Suffolk, N.Y	22,490	8.5
Arapahoe	1,732	4.4	Nassau	11,680	8.9
Boulder	1,076	4.9	Suffolk	10,810	8.2
Denver	4,469	9.1	New Orleans, La	10,874	8.9
Douglas	171	3.8	Jefferson	3,467	7.4
Gilpin	13	4.6	Orleans	5,854	11.0
Jofferson	2,417	5.6	St. Bernard	616	9.0
			St. Tammany	937	6.2

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Table 1-18. Deaths and Death Rates for the 50 Largest Standard Metropolitan Statistical Areas in the United States and Their Component Counties: 1988—Con.

[Standard metropolitan statistical areas are those defined by the Office of Management and Budget for 1980 except for New England, where areas are New England County Metropolitan Areas. For further explanation of areas see Technical Appendix. Rates per 1,000 population]

Area	Number	Rate	Area	Number	Rate
New York, N.Y.-N.J	96,677	10.3	Rochester, N.Y.	8,385	8.6
New York City, N.Y.	77,784	10.6	Livingston	518	8.7
Bronx	13,901	11.4	Monroe	5,844	8.3
Kings	23,945	10.3	Ontario	873	9.5
New York	16,824	11.1	Orleans	399	10.0
Queens	19,819	10.3	Wayne	751	8.5
Richmond	3,295	8.7	Sacramento, Calif	9,854	7.8
Putnam, N.Y.	617	7.4	Placer	1,295	8.3
Rockland, N.Y.	2,015	7.6	Sacramento	7,642	7.8
Westchester, N.Y.	8,368	9.7	Yolo	917	7.0
Bergen, N.J.	7,895	9.5	St. Louis, Mo.-Ill	22,636	9.3
Newark, N.J.	18,491	9.3	Franklin, Mo	747	9.5
Essex	8,636	10.3	Jefferson, Mo	1,039	6.0
Morris	3,098	7.4	St. Charles, Mo	1,015	5.0
Somerset	1,609	7.1	St. Louis, Mo	8,241	8.2
Union	5,148	10.3	St. Louis city, Mo	5,895	14.8
Norfolk-Virginia Beach-Portsmouth, Va.-N.C	6,890	7.1	Clinton, Ill	284	7.7
Chesapeake city, Va	1,029	7.0	Madison, Ill	2,501	9.9
Norfolk city, Va	2,342	8.2	Monroe, Ill	190	8.8
Portsmouth city, Va	1,107	10.3	St. Clair, Ill	2,744	10.2
Suffolk city, Va	571	10.9	Salt Lake City-Ogden, Utah	5,908	5.4
Virginia Beach city, Va	1,688	4.6	Davis	661	3.6
Curtis, N.C	153	10.9	Salt Lake	3,989	5.8
Oklahoma City, Okla	7,345	7.9	Tooele	152	5.3
Canadian	410	5.6	Weber	1,086	6.8
Cleveland	855	5.2	San Antonio, Tex	8,979	6.8
McClain	209	8.7	Bexar	8,075	6.7
Oklahoma	5,251	8.6	Comal	447	8.8
Pottawatomie	820	10.5	Guadalupe	457	7.5
Philadelphia, Pa.-N.J	48,725	8.9	San Diego, Calif	16,658	7.0
Ducks, Pa	3,974	7.3	San Diego	16,658	7.0
Chester, Pa	2,664	7.3	San Francisco-Oakland, Calif	30,619	8.5
Delaware, Pa	5,896	10.5	Alameda	9,916	8.0
Montgomery, Pa	6,258	9.1	Contra Costa	5,820	7.3
Philadelphia, Pa	20,799	12.6	Marin	1,778	7.7
Burlington, N.J	2,930	7.4	San Francisco	8,466	11.6
Camden, N.J	4,446	8.9	San Mateo	4,839	7.7
Gloucester, N.J	1,819	8.3	San Jose, Calif	8,654	6.0
Phoenix, Ariz	15,298	7.5	Santa Clara	8,654	6.0
Maricopa	15,296	7.5	Seattle-Everett, Wash	13,363	7.2
Pittsburgh, Pa	24,055	11.3	King	10,548	7.3
Allegheny	15,802	11.7	Snohomish	2,815	8.7
Beaver	2,057	10.8	Tampa-St. Petersburg, Fla	23,695	12.5
Washington	2,378	11.4	Hillsborough	6,984	8.6
Westmoreland	3,818	10.1	Pasco	4,171	15.7
Portland, Oreg.-Wash	11,134	8.2	Pinellas	12,540	15.3
Clackamas, Oreg	1,947	7.2	Washington, D.C.-Md.-Va	23,725	6.8
Mullinoham, Oreg	5,777	10.2	District of Columbia	7,864	12.4
Washington, Oreg	1,827	6.2	Charles, Md	528	5.6
Clark, Wash	1,583	7.0	Montgomery, Md	4,557	8.5
Providence-Warwick-Pawtucket, R.I	8,020	9.9	Prince Georges, Md	4,328	6.2
Bristol	457	9.5	Alexandria city, Va	807	7.4
Kent	1,535	9.5	Arlington, Va	1,178	7.6
Providence	6,194	10.4	Fairfax, Va	3,163	4.1
Washington	834	8.0	Fairfax city, Va	148	6.9
Riverside-San Bernardino-Ontario, Calif	18,344	8.1	Falls Church city, Va	77	8.1
Riverside	8,145	8.3	Loudoun, Va	441	5.7
San Bernardino	9,199	7.1	Manassas city, Va	134	5.8
			Manassas Park city, Va	28	3.8
			Prince William, Va	672	3.4

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Table 1-19. Deaths by State of Occurrence Distributed According to Resident Status: United States and Each State, 1988

[Data by place of residence exclude deaths occurring in the United States to nonresidents; however, data by place of occurrence include deaths of nonresidents. Unit of residence is defined as the county or county equivalent of which decedent was a resident]

State of occurrence	All deaths occurring in State	Deaths of residents of county of occurrence	Total deaths of non-residents of county of occurrence	Deaths of interstate nonresidents of county of occurrence	Deaths of interstate nonresidents by State of residence													
					Total	Ala.	Alaska	Ariz.	Ark.	Calif.	Colo.	Conn.	Del.	D.C.	Fla.	Ga.	Hawaii	Idaho
United States	2,171,196	1,755,488	415,698	333,835	78,888	1,514	153	1,064	1,563	2,484	571	1,016	413	765	4,945	1,734	80	660
Alabama	38,954	30,225	8,729	7,388	1,326	...	...	2	9	19	...	3	1	2	288	345	...	2
Alaska	2,039	1,575	464	338	110	...	...	1	...	18	...	3	...	...	3	1	...	2
Arizona	28,448	24,821	3,628	1,989	1,627	4	19	...	12	324	58	8	4	...	33	3	2	30
Arkansas	24,789	16,284	8,505	5,107	1,442	9	1	4	...	26	1	...	...	...	15	4	...	...
California	216,352	183,124	23,228	19,977	2,800	20	28	279	28	...	66	25	4	10	148	28	47	31
Colorado	21,735	16,204	5,531	4,575	934	...	5	31	11	57	...	2	...	1	34	6	1	3
Connecticut	28,725	24,682	4,043	2,878	1,137	1	...	2	1	15	...	...	2	4	150	3	...	...
Delaware	5,889	4,888	800	397	528	2	...	...	...	...	...	1	...	7	10	1	...	1
District of Columbia	9,589	6,899	2,690	...	2,697	1	...	2	3	9	...	2	4	8	28	7	1	1
Florida	132,184	114,121	18,073	11,978	5,369	337	2	16	16	75	21	128	12	5	...	520	3	...
Georgia	52,217	35,580	16,637	14,313	2,301	415	...	7	6	19	1	8	5	3	388	...	...	2
Hawaii	6,322	5,772	550	213	218	...	8	2	1	72	5	3	...	...	8	3	...	...
Idaho	7,419	5,954	1,465	1,087	367	2	...	11	1	44	3	1	...	...	4	1	...	2
Illinois	102,338	89,063	13,273	11,255	1,881	12	2	39	29	49	10	4	1	3	179	14	2	2
Indiana	50,727	40,198	10,529	7,896	2,622	10	...	9	4	23	2	3	1	...	101	9	...	1
Iowa	27,583	20,887	6,696	5,538	1,157	...	...	17	12	15	10	...	...	...	26	2	...	2
Kansas	22,371	17,217	5,154	4,182	859	...	...	10	13	28	43	...	...	2	8	2	1	2
Kentucky	34,976	25,432	9,544	8,071	1,469	7	1	2	7	8	4	1	...	...	57	18	...	1
Louisiana	37,874	28,808	9,068	7,969	1,067	30	...	6	119	30	...	...	...	2	80	17	1	1
Maine	11,524	8,378	2,148	1,780	374	2	...	...	...	8	1	17	...	...	58	1	...	1
Maryland	38,014	27,760	10,254	7,832	2,392	2	...	2	2	24	4	12	186	577	117	21	...	...
Massachusetts	57,024	46,144	10,880	8,785	2,016	3	...	8	1	19	...	...	3	6	255	3	...	...
Michigan	76,913	63,304	13,609	14,466	1,027	13	...	22	10	98	2	1	1	1	235	8	...	...
Minnesota	35,537	27,929	7,708	6,026	1,655	3	...	28	8	40	8	6	...	...	50	1	1	2
Mississippi	23,990	17,853	6,137	5,243	889	344	...	2	35	9	1	1	1	2	71	15	...	...
Missouri	52,265	36,346	15,920	12,656	3,251	7	...	20	248	57	17	3	...	1	37	10	...	...
Montana	6,722	5,469	1,253	1,027	216	...	...	7	1	17	3	...	...	1	4	2	...	27
Nebraska	15,093	11,534	3,559	2,692	869	...	...	7	5	21	42	1	...	...	4	1	...	1
Nevada	8,101	7,463	1,638	558	1,067	1	4	133	5	468	18	5	...	...	25	3	5	17
New Hampshire	6,624	6,956	1,668	850	809	...	...	1	...	7	...	...	...	1	47	...	...	...
New Jersey	71,694	58,073	13,621	11,363	2,261	4	...	6	8	31	...	29	22	8	286	13	...	1
New Mexico	10,389	8,354	2,045	1,450	565	1	...	150	5	38	61	1	...	1	16	2	1	1
New York	175,122	154,893	20,229	16,439	3,544	15	...	9	3	80	7	222	6	8	761	25	...	4
North Carolina	57,988	43,730	14,258	12,373	1,871	14	...	2	6	7	2	6	4	6	213	64	...	...
North Dakota	6,041	4,053	1,988	1,295	687	...	...	1	1	4	2	...	...	...	2	...	...	...
Ohio	99,892	82,334	17,558	14,693	2,834	14	...	30	9	46	5	5	1	3	273	19	...	...
Oklahoma	29,041	22,898	6,043	5,443	591	2	...	10	85	32	8	1	...	...	8	...	...	...
Oregon	24,884	20,190	4,774	3,757	993	1	9	18	1	211	6	...	...	...	6	...	6	103
Pennsylvania	128,770	104,280	22,490	18,361	4,063	7	1	9	5	38	7	22	120	7	269	17	1	1
Rhode Island	9,945	8,152	1,793	1,189	647	...	...	...	...	5	1	144	...	...	37	...	...	...
South Carolina	28,473	22,692	5,781	4,996	777	13	...	1	4	3	1	8	1	4	70	135	1	...
South Dakota	6,614	4,702	1,912	1,426	484	2	...	4	2	8	1	...	...	...	2	1	...	...
Tennessee	48,761	36,006	12,755	8,631	4,107	164	1	5	546	31	3	1	1	1	97	353	...	...
Texas	124,329	98,935	25,384	21,974	2,976	34	9	36	286	158	40	12	1	3	140	27	9	2
Utah	9,594	7,865	1,729	1,100	619	...	3	52	...	58	37	...	...	...	6	...	1	147
Vermont	4,788	3,605	1,183	598	582	...	...	1	...	5	...	18	3	...	31	1	...	1
Virginia	46,003	27,563	18,360	17,165	2,151	9	...	4	6	25	5	18	11	88	130	17	2	...
Washington	36,423	31,538	4,887	3,695	1,145	3	69	24	4	98	15	3	...	1	16	3	9	289
West Virginia	19,841	13,843	6,188	4,353	1,840	1	...	...	1	3	...	...	...	5	32	5	...	...
Wisconsin	43,106	35,575	7,531	6,098	1,435	3	...	23	3	27	1	6	2	1	108	5	...	...
Wyoming	3,050	2,555	485	288	204	1	...	6	3	17	45	...	...	...	6	1	...	...



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Table 1-19. Deaths by State of Occurrence Distributed According to Resident Status: United States and Each State, 1988—Con.

[Data by place of residence exclude deaths occurring in the United States to nonresidents; however, data by place of occurrence include deaths of nonresidents. Unit of residence is defined as the county or county equivalent of which decedent was a resident]

State of occurrence	Deaths of interstate nonresidents by State of residence																			
	Ill.	Ind.	Iowa	Kans.	Ky.	La.	Maine	Md.	Mass.	Mich.	Minn.	Miss.	Mo.	Mont.	Nebr.	Nev.	N.H.	N.J.	N. Mex.	N.Y.
United States .....	4,922	1,945	1,446	1,589	2,113	829	383	3,063	1,544	2,317	1,492	1,738	1,839	285	848	476	864	3,977	621	4,983
Alabama .....	23	17	3	5	18	17	1	5	3	17	-	233	5	1	1	1	-	2	1	17
Alaska .....	3	-	-	2	1	2	1	-	2	-	5	-	-	1	-	2	1	4	-	1
Arizona .....	87	25	68	22	2	7	5	3	10	80	105	5	30	26	18	42	7	24	69	58
Arkansas .....	28	7	3	13	4	58	-	2	1	12	4	48	254	-	5	1	1	2	2	7
California .....	123	37	30	23	15	40	1	21	49	88	48	13	56	38	13	227	9	57	40	147
Colorado .....	34	8	30	75	2	4	2	1	7	9	18	3	25	20	100	14	2	5	60	18
Connecticut .....	8	4	1	1	1	-	19	12	137	2	1	2	2	-	1	1	16	50	-	594
Delaware .....	-	1	1	1	-	-	-	190	1	1	-	-	1	2	-	-	-	107	-	13
District of Columbia .....	6	2	1	1	1	1	2	1,843	4	3	-	3	1	-	-	-	1	19	-	47
Florida .....	293	198	30	13	66	41	52	80	243	448	49	27	49	2	10	5	67	312	2	918
Georgia .....	20	21	2	4	31	13	5	12	9	26	4	8	12	-	1	-	4	26	2	40
Hawaii .....	5	3	2	-	2	2	1	3	7	4	5	-	1	1	1	5	-	8	3	14
Idaho .....	4	2	3	1	-	-	-	-	-	-	2	-	1	20	3	19	-	-	-	2
Illinois .....	...	527	89	5	81	8	-	8	13	88	24	19	275	2	13	6	-	14	2	39
Indiana .....	1,201	...	6	4	445	5	1	4	6	307	2	7	15	1	-	3	1	3	5	12
Iowa .....	441	14	...	5	1	4	-	-	1	13	84	-	122	2	195	1	1	3	2	8
Kansas .....	18	1	12	...	2	1	-	1	-	5	8	-	528	-	50	4	1	-	4	4
Kentucky .....	182	487	3	1	...	2	-	3	1	18	1	5	19	-	2	2	-	1	-	7
Louisiana .....	8	4	2	7	4	...	-	3	3	9	4	285	5	2	-	1	-	2	3	8
Maine .....	3	-	-	-	-	2	...	7	103	2	-	-	1	1	-	-	84	28	-	20
Maryland .....	18	6	1	5	3	8	4	...	17	8	4	3	4	1	1	-	3	69	1	102
Massachusetts .....	10	6	1	2	3	4	86	8	...	12	2	1	4	1	2	1	524	50	1	317
Michigan .....	83	64	3	1	10	7	1	4	6	...	10	8	13	-	1	7	-	9	-	22
Minnesota .....	95	27	282	9	5	3	-	3	2	64	...	-	15	4	26	-	1	7	4	18
Mississippi .....	19	3	3	-	2	215	1	1	-	11	2	...	15	-	2	-	1	5	-	5
Missouri .....	1,358	36	62	1,040	27	6	-	5	4	18	11	10	...	1	17	2	-	1	9	18
Montana .....	1	1	2	1	-	-	-	1	-	1	10	1	3	...	2	2	1	-	-	1
Nebraska .....	16	1	479	77	7	-	-	2	1	4	9	1	46	2	...	2	-	1	4	5
Nevada .....	28	2	8	6	2	4	1	4	10	23	13	2	8	6	3	...	-	12	7	34
New Hampshire .....	3	2	-	-	2	-	141	4	224	3	1	-	-	-	-	-	...	5	-	28
New Jersey .....	11	6	1	1	2	5	5	44	28	14	1	2	2	-	1	1	10	...	1	574
New Mexico .....	11	1	2	12	3	6	-	1	3	7	5	-	9	3	4	4	2	3	...	20
New York .....	25	12	2	2	6	8	11	46	82	19	4	3	6	-	6	3	20	1,368	...	...
North Carolina .....	11	13	-	1	18	6	2	31	14	19	1	6	8	1	1	1	-	39	1	60
North Dakota .....	2	-	-	-	-	1	-	1	1	545	-	-	-	20	5	1	-	1	-	-
Ohio .....	50	285	3	5	538	4	3	12	8	479	3	3	8	1	1	2	2	24	2	70
Oklahoma .....	11	1	2	135	1	6	2	2	1	7	3	3	51	-	1	1	-	2	11	7
Oregon .....	4	-	2	5	2	1	-	1	2	-	6	1	2	5	2	13	-	4	-	2
Pennsylvania .....	25	20	4	8	10	6	7	250	28	23	7	5	11	-	-	1	7	1,530	1	823
Rhode Island .....	-	-	-	-	2	5	1	403	-	1	-	-	-	-	-	-	4	10	-	19
South Carolina .....	11	3	-	1	10	3	3	18	11	12	1	4	3	-	2	-	2	20	-	47
South Dakota .....	2	5	114	5	1	1	-	-	1	4	170	-	2	3	95	-	-	-	-	1
Tennessee .....	47	31	3	3	555	20	5	7	6	45	5	972	131	1	1	-	2	14	-	16
Texas .....	102	43	50	67	21	291	3	12	16	70	48	38	71	4	25	11	3	45	370	79
Utah .....	8	9	2	1	2	-	-	2	3	1	5	-	7	42	4	70	1	-	-	9
Vermont .....	-	-	-	-	-	-	5	2	45	3	1	-	-	-	-	-	177	12	-	276
Virginia .....	14	9	3	1	35	8	6	185	18	12	6	6	6	1	-	2	5	60	2	116
Washington .....	19	9	8	6	3	2	1	2	5	15	9	2	7	55	2	12	4	11	4	17
West Virginia .....	6	3	3	1	167	3	-	198	2	7	-	1	-	1	-	-	-	2	1	6
Wisconsin .....	435	26	114	4	2	3	-	8	3	308	241	6	3	3	3	4	-	5	-	23
Wyoming .....	10	1	1	1	-	-	-	1	-	-	4	2	2	13	25	1	-	1	-	3

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Table 1-19. Deaths by State of Occurrence Distributed According to Resident Status: United States and Each State, 1988—Con.

[Data by place of residence exclude deaths occurring in the United States to nonresidents; however, data by place of occurrence include deaths of nonresidents. Unit of residence is defined as the county or county equivalent of which decedent was a resident]

State of occurrence	Deaths of interstate nonresidents by State of residence																		Deaths of nonresidents of the United States
	N.C.	N. Dak.	Ohio	Okl.	Oreg.	Pa.	R.I.	S.C.	S. Dak.	Tenn.	Tex.	Utah	Vt.	Va.	Wash.	W. Va.	Wis.	Wyo.	
United States	1,638	316	3,100	1,691	883	3,387	432	1,740	451	1,138	1,065	250	473	2,800	1,117	1,798	1,369	402	3,197
Alabama	12	2	13	4	—	13	—	7	—	192	31	—	—	7	2	4	2	—	15
Alaska	—	—	1	2	16	3	—	—	—	—	7	—	2	1	21	—	2	—	18
Arizona	8	21	52	21	48	28	—	4	17	14	53	34	2	4	80	3	42	16	202
Arkansas	2	—	6	523	3	7	—	1	1	39	337	—	—	1	3	1	6	—	7
California	23	14	90	47	214	87	10	11	16	24	176	43	4	30	161	9	35	18	551
Colorado	3	10	12	26	7	17	—	2	35	2	59	38	2	6	9	4	13	110	22
Connecticut	2	—	12	—	—	32	36	2	—	—	4	—	13	4	1	1	—	—	28
Delaware	—	—	2	2	—	168	1	2	—	2	3	—	—	9	—	1	—	—	5
District of Columbia	25	—	10	—	—	42	—	4	1	3	12	—	—	538	2	29	1	—	23
Florida	76	2	407	8	5	335	35	42	2	102	65	1	22	94	8	45	79	3	726
Georgia	127	—	37	8	—	31	1	831	—	125	25	1	—	23	2	9	6	—	23
Hawaii	1	—	8	6	6	5	—	1	—	2	3	2	1	1	11	1	2	—	119
Idaho	1	—	3	—	82	—	—	—	2	3	3	28	1	1	96	—	1	22	11
Illinois	7	2	45	7	5	35	—	7	3	22	30	2	1	6	6	4	220	1	27
Indiana	4	—	344	8	2	13	—	4	1	13	17	—	—	5	—	3	14	3	13
Iowa	1	3	4	3	1	6	—	2	64	—	12	—	1	2	1	—	75	3	3
Kansas	3	—	3	141	4	3	—	—	3	3	34	2	1	3	3	1	6	1	3
Kentucky	11	—	241	3	1	9	—	5	3	165	9	1	—	24	2	154	3	—	4
Louisiana	7	—	7	8	—	8	—	3	1	10	387	1	—	7	1	1	5	1	35
Maine	2	—	2	2	—	4	5	2	—	2	4	—	6	2	—	1	—	—	14
Maryland	43	2	32	2	1	362	3	12	—	8	18	—	2	370	2	313	5	—	30
Massachusetts	8	1	7	2	—	23	289	5	1	2	20	—	53	7	1	1	4	—	66
Michigan	10	2	162	4	2	32	—	6	1	17	23	3	—	11	3	8	165	—	56
Minnesota	7	177	12	6	8	8	1	4	117	2	26	2	—	7	11	2	549	1	27
Mississippi	1	—	8	5	—	2	—	7	1	74	18	2	—	2	1	1	—	—	5
Missouri	6	1	16	114	3	8	—	7	1	21	29	1	1	4	6	2	9	1	13
Montana	—	17	2	3	11	1	—	—	11	1	5	2	—	—	26	—	—	45	10
Nebraska	3	3	6	4	4	6	1	5	41	1	3	3	—	—	4	—	—	37	7
Nevada	4	4	13	9	34	10	2	2	1	3	21	34	1	2	32	2	10	7	35
New Hampshire	—	—	4	—	—	7	8	1	1	2	3	—	295	1	—	—	—	—	9
New Jersey	16	—	15	2	1	678	4	6	1	4	20	1	5	21	1	9	2	—	57
New Mexico	2	—	2	26	1	5	—	—	1	2	127	18	—	—	3	1	2	4	30
New York	43	—	40	8	6	515	10	18	—	8	18	—	40	39	4	5	10	1	246
North Carolina	—	1	36	4	1	58	2	638	1	89	14	1	—	419	2	39	5	—	14
North Dakota	—	—	2	1	3	—	—	—	88	—	4	—	—	1	1	—	2	—	6
Ohio	20	4	—	8	—	380	4	10	2	24	22	2	—	30	3	440	9	—	31
Oklahoma	1	—	6	—	5	7	—	2	3	1	154	—	—	2	1	2	6	7	9
Oregon	7	2	1	—	—	3	—	1	7	—	5	2	—	4	542	—	2	3	24
Pennsylvania	37	—	438	5	1	—	5	13	1	10	26	—	7	66	6	169	7	1	68
Rhode Island	1	—	1	—	—	4	—	1	—	1	3	—	3	1	—	—	—	—	7
South Carolina	275	—	19	—	—	26	2	—	—	16	8	—	1	21	2	13	2	—	8
South Dakota	—	29	2	—	—	—	—	—	—	1	2	1	—	—	4	—	3	19	2
Tennessee	105	—	54	9	1	11	2	19	—	—	39	—	—	1	23	7	1	—	17
Texas	25	8	58	548	11	32	2	12	11	49	—	4	1	768	21	15	32	6	444
Utah	4	1	3	2	9	1	—	—	3	2	12	—	—	4	18	1	2	87	10
Vermont	2	—	—	1	1	4	—	1	—	1	—	—	—	—	—	1	—	—	13
Virginia	597	—	30	3	4	94	1	31	2	65	15	—	3	—	4	478	12	2	34
Washington	4	—	8	4	—	356	—	2	—	5	21	9	—	3	—	2	—	—	57
West Virginia	9	—	811	—	—	243	—	6	—	2	6	—	1	311	—	—	—	—	5
Wisconsin	3	6	11	4	—	7	—	2	4	5	19	2	—	2	3	—	—	—	8
Wyoming	—	1	2	1	6	4	—	—	4	1	4	24	2	1	5	—	—	—	2

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Table 1-20. Deaths by Month and State of Occurrence: United States and Each State, 1988

[Data by place of occurrence include deaths of nonresidents]

Area	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
United States	2,171,196	200,910	191,855	195,316	176,524	177,020	168,310	172,450	171,714	166,445	179,724	175,460	192,466
Alabama	39,954	3,587	3,692	3,608	3,068	3,156	3,049	2,986	3,031	3,056	3,251	3,026	3,434
Alaska	2,039	162	149	162	146	178	165	188	205	187	175	151	161
Arizona	28,449	2,786	2,706	2,644	2,310	2,256	2,166	2,183	2,149	2,047	2,188	2,385	2,649
Arkansas	24,790	2,303	2,439	2,332	1,888	1,988	1,890	1,903	1,874	1,923	2,016	2,003	2,131
California	216,352	20,505	20,256	19,322	17,313	17,482	16,808	17,216	16,726	16,613	17,235	17,113	19,063
Colorado	21,735	2,201	1,847	1,932	1,742	1,804	1,676	1,765	1,647	1,732	1,794	1,708	1,697
Connecticut	28,725	2,642	2,382	2,635	2,422	2,283	2,251	2,288	2,455	2,100	2,541	2,283	2,463
Delaware	5,889	519	499	513	462	483	451	500	471	450	500	493	548
District of Columbia	9,589	830	825	863	748	735	738	829	788	763	817	851	816
Florida	132,184	12,182	12,263	12,977	11,079	10,817	9,840	10,218	10,080	9,826	10,538	10,408	11,846
Georgia	52,217	4,808	4,704	4,786	4,223	4,179	4,020	3,994	4,066	3,975	4,251	4,151	4,947
Hawaii	5,322	571	529	535	520	488	473	566	511	563	535	489	552
Idaho	7,419	672	600	641	581	613	556	607	602	607	672	606	602
Illinois	102,336	9,259	8,951	9,075	8,200	8,934	7,983	8,088	8,295	8,054	8,557	8,398	8,782
Indiana	50,727	4,675	4,659	4,609	4,146	4,284	3,884	4,018	4,058	3,934	4,140	4,140	4,373
Iowa	27,583	2,648	2,438	2,500	2,226	2,255	2,090	2,155	2,197	2,040	2,287	2,310	2,437
Kansas	22,971	2,121	2,069	2,163	1,846	1,715	1,735	1,714	1,679	1,661	1,824	1,803	1,941
Kentucky	34,976	3,340	3,285	3,093	2,899	2,982	2,739	2,640	2,724	2,588	2,932	2,746	3,048
Louisiana	37,674	3,773	3,404	3,278	3,033	3,050	2,868	3,000	2,963	2,872	3,090	3,082	3,473
Maine	11,524	1,057	1,041	1,041	872	907	805	938	928	918	954	921	979
Maryland	38,014	3,438	3,470	3,518	3,134	3,081	2,862	2,993	2,995	2,900	3,142	3,115	3,258
Massachusetts	57,024	5,060	4,843	5,298	4,673	4,579	4,608	4,529	4,856	4,353	4,789	4,630	5,046
Michigan	78,913	6,780	6,672	7,109	6,531	6,648	6,291	6,619	6,534	6,110	6,542	6,380	6,717
Minnesota	36,637	3,365	3,160	3,132	2,983	2,895	2,684	2,810	2,848	2,705	3,013	3,011	3,131
Mississippi	23,980	2,247	2,188	2,204	1,872	1,990	1,864	1,833	1,900	1,845	1,974	1,908	2,155
Missouri	52,265	5,163	4,746	4,571	4,324	4,206	4,094	4,008	4,011	3,983	4,316	4,327	4,516
Montana	6,722	608	533	610	548	550	509	576	552	548	567	528	596
Nebraska	15,093	1,435	1,397	1,404	1,169	1,213	1,231	1,186	1,148	1,197	1,239	1,168	1,307
Nevada	9,101	806	791	779	796	794	724	684	717	697	756	767	800
New Hampshire	8,624	733	747	837	686	657	682	644	610	670	717	685	766
New Jersey	71,694	6,760	5,991	6,543	5,730	5,711	5,601	5,676	5,680	5,623	6,157	5,815	6,407
New Mexico	10,389	916	927	938	782	890	809	825	795	812	822	872	911
New York	175,122	15,807	14,509	16,202	14,409	14,288	13,593	14,161	14,494	13,460	14,834	14,131	15,434
North Carolina	57,988	5,137	4,964	5,550	4,552	4,698	4,370	4,576	4,548	4,520	4,904	4,911	5,256
North Dakota	6,041	531	523	508	501	531	467	495	442	442	524	534	529
Ohio	98,892	8,862	8,252	9,150	8,218	8,257	7,913	7,981	7,928	7,823	8,534	8,073	8,801
Oklahoma	29,041	2,715	2,770	2,751	2,308	2,366	2,191	2,214	2,216	2,171	2,409	2,318	2,611
Oregon	24,964	2,893	2,129	2,216	2,044	2,024	2,023	1,991	2,099	1,896	2,015	1,948	2,236
Pennsylvania	126,770	11,578	10,431	12,161	10,457	10,226	9,753	10,391	10,014	9,668	10,682	10,411	10,986
Rhode Island	9,945	941	882	848	865	799	780	801	786	721	801	844	867
South Carolina	28,473	2,534	2,666	2,593	2,234	2,954	2,196	2,235	2,193	2,207	2,433	2,317	2,571
South Dakota	6,614	661	598	563	512	535	500	567	478	492	531	593	613
Tennessee	48,781	4,485	4,340	4,491	3,982	4,007	3,707	3,800	3,787	3,632	4,080	4,019	4,431
Texas	124,328	12,045	11,637	11,058	9,989	9,936	9,538	9,796	9,817	9,540	9,878	9,622	11,163
Utah	9,594	925	825	818	745	801	779	790	784	778	739	768	862
Vermont	4,798	406	386	406	394	412	368	390	423	364	458	390	401
Virginia	46,903	4,215	4,085	4,367	3,877	3,838	3,591	3,685	3,575	3,596	3,998	3,674	4,201
Washington	36,423	3,510	3,246	3,153	2,988	2,982	2,902	2,952	2,945	2,635	2,942	2,913	3,125
West Virginia	19,841	1,737	1,670	1,919	1,698	1,645	1,569	1,559	1,452	1,488	1,680	1,655	1,780
Wisconsin	43,106	4,086	3,725	3,671	3,363	3,575	3,590	3,559	3,412	3,242	3,682	3,532	3,659
Wyoming	3,050	291	274	271	246	223	246	259	257	228	258	227	270

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Table 1-21. Deaths by Month, Race, and Sex: United States and Each State, 1988

Area, race, and sex	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
United States	2,167,999	200,810	191,548	197,995	176,251	176,806	168,085	172,193	171,470	166,201	179,478	175,199	192,164
Male	1,125,540	103,475	97,642	101,272	91,680	92,617	87,889	90,153	90,143	87,285	93,442	90,875	99,067
Female	1,042,459	97,135	93,906	96,723	84,571	84,189	80,196	82,040	81,327	78,916	86,036	84,323	93,097
White	1,878,906	174,447	168,734	172,491	153,070	153,093	145,512	148,019	147,487	143,438	155,148	151,573	165,942
Male	965,418	89,083	84,134	87,411	78,973	79,464	75,285	76,704	76,802	74,763	80,097	77,988	84,718
Female	911,487	85,364	82,600	85,080	74,097	73,571	70,227	71,315	70,685	68,675	75,051	73,588	81,224
All other	291,093	26,163	24,814	25,504	23,181	23,771	22,573	24,174	23,973	22,763	24,330	23,625	26,222
Male	160,121	14,392	13,608	13,861	12,707	13,159	12,604	13,449	13,341	12,622	13,345	12,890	14,349
Female	130,972	11,771	11,308	11,643	10,474	10,618	9,969	10,725	10,632	10,241	10,985	10,735	11,873
Black	264,019	23,765	22,519	23,107	21,042	21,560	20,456	21,811	21,750	20,845	22,089	21,485	23,780
Male	144,228	12,984	12,201	12,443	11,477	11,854	11,312	12,115	12,083	11,187	12,025	11,893	12,924
Female	119,791	10,801	10,318	10,664	9,565	9,706	9,144	9,796	9,667	9,658	10,074	9,592	10,856
Alabama	38,127	3,610	3,692	3,815	3,066	3,192	3,056	2,994	3,027	3,075	3,287	3,061	3,452
Male	20,826	1,868	1,923	1,975	1,599	1,752	1,614	1,585	1,682	1,628	1,741	1,581	1,800
Female	18,501	1,742	1,769	1,740	1,467	1,440	1,442	1,409	1,365	1,448	1,546	1,480	1,652
White	28,541	2,656	2,749	2,685	2,254	2,309	2,187	2,118	2,234	2,255	2,401	2,209	2,484
Male	15,004	1,384	1,419	1,388	1,165	1,248	1,142	1,137	1,225	1,207	1,271	1,146	1,272
Female	13,537	1,272	1,330	1,297	1,099	1,061	1,045	981	1,009	1,048	1,130	1,063	1,212
All other	10,586	954	943	930	812	883	869	876	820	886	820	886	868
Male	5,922	484	504	487	434	504	472	448	437	419	470	435	528
Female	4,984	470	439	443	378	379	397	428	386	401	416	417	440
Black	10,520	948	936	927	810	879	884	868	787	818	879	847	861
Male	5,591	480	498	485	434	502	489	444	436	418	467	433	525
Female	4,929	468	438	442	376	377	395	422	351	368	412	414	436
Alaska	2,064	178	180	169	148	187	157	180	192	180	184	162	167
Male	1,303	125	91	107	83	117	83	128	125	113	122	97	102
Female	761	53	89	62	65	70	64	52	67	67	62	65	65
White	1,444	128	111	109	108	137	111	128	132	117	127	114	126
Male	926	89	62	74	66	88	89	87	84	75	83	70	79
Female	518	37	49	35	42	49	42	39	48	42	44	44	47
All other	620	52	49	60	40	50	46	54	60	63	57	48	41
Male	377	36	29	33	17	28	24	41	41	38	39	27	23
Female	243	16	20	27	23	21	22	13	19	25	18	21	18
Black	52	7	3	3	3	2	4	5	7	4	5	5	4
Male	32	4	2	1	2	-	1	5	4	3	3	4	3
Female	20	3	1	2	1	2	3	-	3	1	2	1	1
Arizona	27,884	2,644	2,497	2,457	2,230	2,234	2,176	2,190	2,155	2,070	2,199	2,287	2,545
Male	15,458	1,480	1,317	1,370	1,279	1,283	1,227	1,164	1,203	1,169	1,230	1,293	1,433
Female	12,226	1,164	1,080	1,087	951	951	949	1,026	952	901	969	994	1,112
White	25,720	2,445	2,327	2,302	2,097	2,098	2,008	2,004	2,003	1,910	2,018	2,144	2,373
Male	14,289	1,363	1,217	1,287	1,189	1,194	1,126	1,055	1,121	1,063	1,124	1,203	1,337
Female	11,431	1,082	1,110	1,015	898	895	882	949	882	847	894	941	1,036
All other	1,984	199	170	155	133	145	168	186	152	160	181	143	172
Male	1,169	127	100	83	80	89	101	109	82	106	106	90	86
Female	785	72	70	72	53	56	67	77	70	54	75	53	76
Black	726	71	60	57	50	43	56	76	52	59	81	55	86
Male	419	40	36	29	29	26	32	48	23	38	46	35	37
Female	307	31	24	28	21	17	24	28	29	21	35	20	29
Arkansas	24,904	2,328	2,423	2,322	1,990	2,002	1,831	1,925	1,880	1,908	2,043	2,001	2,141
Male	13,289	1,210	1,288	1,221	1,057	1,099	1,046	1,013	1,026	1,018	1,100	1,072	1,119
Female	11,615	1,118	1,135	1,101	933	903	885	912	864	890	943	929	1,022
White	20,751	1,915	2,031	1,962	1,649	1,710	1,618	1,588	1,642	1,583	1,691	1,698	1,764
Male	11,076	988	1,025	880	937	864	838	849	863	863	902	911	923
Female	9,675	927	935	937	769	773	784	750	693	720	789	787	841
All other	4,153	413	392	360	341	292	313	337	348	325	352	303	377
Male	2,193	222	192	196	177	162	182	175	177	155	188	161	180
Female	1,960	191	200	164	164	130	131	162	171	170	154	142	181
Black	4,120	409	391	355	339	290	309	338	346	320	349	302	374
Male	2,176	220	191	193	176	181	179	174	176	154	198	160	194
Female	1,944	189	200	162	163	129	130	162	170	166	151	142	180
California	215,485	20,388	20,102	19,167	17,229	17,502	16,565	17,221	16,722	16,556	17,209	17,006	18,838
Male	112,634	10,462	10,058	9,931	9,025	9,272	8,755	9,010	8,897	8,702	9,171	8,896	10,455
Female	102,851	9,906	10,044	9,236	8,204	8,230	7,810	8,211	7,825	7,854	8,038	8,110	9,383
White	189,176	18,011	17,824	16,891	15,101	15,325	14,505	15,051	14,622	14,486	15,104	14,839	17,418
Male	97,751	9,188	8,797	8,649	7,815	8,027	7,589	7,776	7,725	7,543	7,951	7,673	9,068
Female	91,425	8,873	9,027	8,242	7,286	7,298	6,916	7,275	6,897	6,943	7,153	7,165	8,350
All other	26,308	2,357	2,278	2,276	2,128	2,177	2,060	2,170	2,100	2,070	2,105	2,168	2,420
Male	14,883	1,324	1,261	1,282	1,210	1,245	1,166	1,234	1,172	1,159	1,220	1,223	1,387
Female	11,426	1,033	1,017	994	918	932	894	936	928	911	885	945	1,033
Black	17,246	1,584	1,489	1,474	1,381	1,432	1,336	1,417	1,373	1,342	1,381	1,455	1,582
Male	9,525	875	802	802	787	811	719	785	751	726	782	810	874
Female	7,721	709	686	672	594	621	617	622	622	616	599	645	708
Colorado	21,350	2,174	1,834	1,906	1,717	1,770	1,652	1,710	1,595	1,673	1,757	1,686	1,877
Male	11,080	1,098	897	986	873	901	877	946	823	868	926	908	967
Female	10,270	1,076	937	909	844	869	775	784	772	805	831	778	910
White	20,449	2,080	1,759	1,825	1,646	1,693	1,583	1,648	1,524	1,603	1,681	1,605	1,784
Male	10,003	1,055	869	957	835	861	808	808	783	827	889	861	926
Female	9,846	1,035	895	868	811	832	745	738	741	776	792	745	858
All other	901	84	76	80	71	77	68	64	71	70	76	80	83
Male	477	43	34	39	38	40	39	38	40	41	37	47	41
Female	424	41	42	41	33	37	30	26	31	29	39	33	42
Black	714	60	62	65	59	63	54	54	58	54	59	63	64
Male	385	33	27	31	32	32	33	34	35	30	27	38	39
Female	329	27	35	34	26	31	21	20	23	24	32	25	31

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Table 1-21. Deaths by Month, Race, and Sex: United States and Each State, 1988—Con.

Area, race, and sex	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Connecticut	28,576	2,646	2,374	2,643	2,414	2,259	2,241	2,247	2,431	2,079	2,527	2,287	2,434
Male	14,283	1,306	1,199	1,300	1,210	1,117	1,118	1,129	1,184	1,076	1,252	1,168	1,215
Female	14,313	1,340	1,178	1,343	1,204	1,138	1,123	1,118	1,247	1,003	1,275	1,120	1,219
White	26,613	2,460	2,208	2,480	2,289	2,077	2,078	2,086	2,259	1,928	2,355	2,125	2,277
Male	13,148	1,185	1,108	1,212	1,141	1,021	1,027	1,039	1,076	989	1,155	1,066	1,130
Female	13,465	1,265	1,100	1,268	1,149	1,056	1,052	1,047	1,184	939	1,200	1,059	1,147
All other	1,963	196	166	163	125	176	162	161	172	151	172	162	157
Male	1,115	121	90	88	69	96	91	90	109	87	97	82	85
Female	848	75	76	75	56	80	71	71	63	64	75	70	72
Black	1,868	183	161	154	120	188	149	156	168	145	162	158	148
Male	1,065	116	87	84	65	91	83	87	108	83	92	91	80
Female	803	67	74	70	55	77	66	69	60	62	70	67	68
Delaware	5,769	518	506	513	471	477	427	468	454	433	497	461	524
Male	2,858	286	262	243	233	245	232	240	250	211	255	245	276
Female	2,811	252	244	270	238	232	195	228	204	222	242	236	246
White	4,819	430	419	440	390	402	352	393	375	358	428	393	449
Male	2,437	213	214	208	193	202	197	199	196	174	219	197	235
Female	2,382	217	205	232	197	200	165	194	179	184	209	196	214
All other	950	88	87	73	81	75	75	85	79	75	89	88	75
Male	521	53	49	35	40	43	45	41	54	47	36	48	41
Female	429	35	39	38	41	32	30	44	25	28	33	40	34
Black	833	88	83	68	78	75	74	85	78	75	67	68	73
Male	514	53	45	34	39	43	44	41	54	37	35	48	41
Female	419	35	38	34	40	32	30	44	24	38	32	40	32
District of Columbia	7,864	672	680	693	604	609	588	650	639	568	654	647	682
Male	4,148	383	356	354	298	342	334	348	354	316	381	352	371
Female	3,516	309	324	339	308	267	252	301	285	252	293	295	291
White	1,830	184	168	181	143	145	136	140	165	143	158	148	141
Male	865	90	83	84	58	74	70	64	80	71	80	72	69
Female	935	74	85	97	85	71	68	76	85	72	78	76	72
All other	5,834	508	512	512	461	464	450	510	474	425	498	499	521
Male	3,253	273	273	270	238	288	264	285	274	245	281	280	302
Female	2,581	235	239	242	223	196	186	225	200	180	217	219	219
Black	5,782	500	509	510	459	457	445	507	489	422	493	485	516
Male	3,222	269	272	270	237	284	260	283	269	244	277	278	299
Female	2,560	231	237	240	222	183	185	224	200	178	216	217	217
Florida	131,044	11,712	11,555	12,239	10,788	10,807	10,156	10,548	10,424	10,067	10,732	10,359	11,657
Male	71,278	6,429	6,352	6,630	5,862	5,805	5,499	5,722	5,680	5,475	5,836	5,680	6,306
Female	59,766	5,283	5,203	5,609	4,926	5,002	4,657	4,826	4,744	4,592	4,896	4,679	5,349
White	116,332	10,351	10,283	10,987	9,573	9,594	9,066	9,304	9,204	8,903	9,554	9,206	10,317
Male	62,989	5,659	5,620	5,921	5,170	5,155	4,878	5,028	4,992	4,834	5,150	5,045	5,549
Female	53,333	4,692	4,673	5,046	4,403	4,439	4,190	4,276	4,212	4,069	4,404	4,161	4,788
All other	14,712	1,381	1,262	1,272	1,215	1,213	1,090	1,244	1,220	1,184	1,178	1,153	1,340
Male	8,279	770	732	709	692	650	623	694	689	641	686	635	759
Female	6,433	591	530	563	523	563	467	550	532	523	492	518	581
Black	14,428	1,344	1,237	1,250	1,189	1,186	1,074	1,227	1,188	1,144	1,150	1,130	1,307
Male	8,110	783	713	697	676	635	613	683	671	629	668	624	736
Female	6,318	561	524	553	513	551	461	544	517	515	482	506	569
Georgia	51,627	4,823	4,645	4,706	4,159	4,161	3,869	3,983	4,046	3,946	4,205	4,097	4,887
Male	27,330	2,567	2,400	2,468	2,203	2,201	2,116	2,189	2,238	2,074	2,182	2,103	2,589
Female	24,297	2,256	2,245	2,238	1,956	1,960	1,853	1,794	1,808	1,872	2,023	1,994	2,298
White	36,937	3,478	3,338	3,482	2,998	2,985	2,849	2,796	2,825	2,860	2,895	2,803	3,485
Male	10,523	1,876	1,716	1,822	1,581	1,583	1,497	1,535	1,562	1,467	1,538	1,499	1,829
Female	17,414	1,603	1,620	1,660	1,417	1,402	1,348	1,251	1,283	1,333	1,448	1,404	1,656
All other	14,690	1,344	1,309	1,224	1,161	1,176	1,126	1,187	1,221	1,126	1,220	1,194	1,392
Male	7,807	691	684	648	622	618	619	654	676	587	646	604	760
Female	6,883	653	625	578	539	558	507	543	545	539	574	590	632
Black	14,571	1,331	1,303	1,218	1,161	1,167	1,117	1,183	1,205	1,119	1,204	1,183	1,382
Male	7,742	693	690	641	619	614	614	651	686	581	640	599	754
Female	6,829	648	623	575	532	553	503	542	539	538	564	584	628
Hawaii	6,075	542	482	512	504	480	468	532	488	535	518	471	535
Male	3,594	330	272	290	320	305	277	308	281	316	309	278	310
Female	2,481	212	220	222	184	175	189	224	207	219	209	195	225
White	1,897	157	180	151	164	163	152	158	143	170	172	145	142
Male	1,125	83	107	75	110	108	83	85	84	101	112	86	83
Female	772	64	73	76	54	57	69	73	59	69	60	59	59
All other	4,178	385	312	361	340	317	314	374	345	385	346	326	393
Male	2,459	237	185	215	210	199	194	223	197	215	197	180	227
Female	1,709	148	147	146	130	118	120	151	148	150	149	136	166
Black	52	2	4	5	6	4	2	3	6	5	5	7	3
Male	33	1	3	3	5	2	-	2	4	3	3	5	2
Female	19	1	1	2	1	2	2	1	2	2	2	2	1
Idaho	7,701	704	642	671	614	638	583	682	600	599	692	639	637
Male	4,186	384	355	350	332	345	286	368	324	325	400	355	351
Female	3,515	320	287	321	282	293	287	313	276	274	292	284	286
White	7,585	694	634	657	605	629	578	678	590	581	681	628	630
Male	4,121	377	350	344	330	338	295	368	317	314	394	348	348
Female	3,464	317	284	313	275	291	283	310	273	267	287	280	284
All other	116	10	8	14	9	9	5	4	10	18	11	11	7
Male	65	7	5	6	7	7	1	1	7	11	6	7	5
Female	51	3	3	8	2	2	4	3	3	7	5	4	2
Black	20	5	2	3	1	1	-	-	3	2	1	1	1
Male	12	4	-	1	-	1	-	-	1	2	1	1	1
Female	8	1	2	2	1	-	-	-	2	-	-	-	-





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Table 1-21. Deaths by Month, Race, and Sex: United States and Each State, 1988—Con.

Area, race, and sex	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Nbraska</b> .....	14,872	1,410	1,380	1,405	1,170	1,180	1,207	1,163	1,109	1,162	1,215	1,174	1,297
Male .....	7,505	710	663	708	603	617	649	587	562	585	617	570	640
Female .....	7,367	700	717	697	567	563	564	576	547	577	598	604	657
<b>White</b> .....	14,369	1,371	1,339	1,354	1,128	1,136	1,167	1,131	1,067	1,115	1,173	1,129	1,260
Male .....	7,254	689	645	682	586	583	628	569	543	562	596	547	616
Female .....	7,115	682	694	672	542	542	541	562	524	553	577	582	644
<b>All other</b> .....	503	39	41	51	42	45	40	32	42	47	42	45	37
Male .....	251	21	18	26	17	24	17	18	19	23	21	23	24
Female .....	252	18	23	25	25	21	23	14	23	24	21	22	13
<b>Black</b> .....	387	33	30	37	31	32	35	24	33	34	41	36	31
Male .....	188	17	11	21	12	18	15	13	16	15	21	19	20
Female .....	189	16	19	16	19	14	20	11	17	19	20	17	11
<b>Nevada</b> .....	6,474	745	719	722	730	723	685	635	687	679	683	708	747
Male .....	4,930	406	423	450	409	407	395	388	413	418	405	403	433
Female .....	3,544	339	296	272	321	318	290	267	274	261	288	306	314
<b>White</b> .....	7,816	693	657	655	674	681	633	582	634	636	631	659	701
Male .....	4,555	372	382	412	380	376	370	333	381	382	372	376	411
Female .....	3,281	321	275	243	294	298	263	249	253	244	259	284	290
<b>All other</b> .....	658	52	62	67	56	62	62	53	53	43	62	50	48
Male .....	375	34	41	38	29	32	25	35	32	26	33	28	22
Female .....	283	18	21	29	27	30	27	18	21	17	29	22	24
<b>Black</b> .....	446	33	41	43	38	37	37	37	37	30	42	36	35
Male .....	263	28	26	23	21	22	19	25	23	20	19	19	20
Female .....	183	7	15	20	17	15	18	12	14	10	23	17	15
<b>New Hampshire</b> .....	6,770	739	765	869	710	687	705	656	789	681	718	679	762
Male .....	4,326	384	353	399	352	359	362	322	388	354	343	338	372
Female .....	4,444	355	412	470	358	328	343	334	411	327	375	341	390
<b>White</b> .....	8,740	735	783	867	707	686	700	655	797	677	717	677	769
Male .....	4,312	384	352	399	350	358	359	321	388	352	343	336	370
Female .....	4,428	351	411	468	357	328	341	334	409	325	374	341	389
<b>All other</b> .....	30	4	2	2	3	1	5	1	2	4	1	2	3
Male .....	14	-	1	-	2	1	3	-	2	-	-	2	2
Female .....	16	4	1	2	1	-	2	-	2	2	1	-	1
<b>Black</b> .....	22	2	1	2	3	-	4	1	-	3	1	2	3
Male .....	10	-	-	-	2	-	2	1	-	1	-	2	2
Female .....	12	2	1	2	1	-	2	-	2	1	-	-	1
<b>New Jersey</b> .....	73,413	6,920	6,201	6,769	5,894	5,956	6,713	5,767	5,781	5,755	6,270	5,945	6,562
Male .....	37,385	3,520	3,111	3,425	2,984	2,972	2,950	3,001	2,978	2,972	3,135	3,046	3,281
Female .....	36,028	3,400	3,090	3,344	2,910	2,984	2,763	2,766	2,783	2,783	3,135	2,899	3,271
<b>White</b> .....	63,938	6,049	5,381	5,955	5,111	5,161	5,016	5,028	4,959	5,014	5,448	5,159	5,655
Male .....	32,068	3,019	2,656	2,859	2,573	2,589	2,551	2,556	2,518	2,567	2,688	2,591	2,800
Female .....	31,970	3,030	2,725	2,898	2,538	2,573	2,465	2,472	2,441	2,447	2,760	2,568	2,856
<b>All other</b> .....	9,477	871	820	814	783	695	697	739	802	741	822	786	907
Male .....	5,319	501	455	468	411	384	389	445	460	405	447	455	491
Female .....	4,158	370	365	348	372	311	288	294	342	336	375	331	416
<b>Black</b> .....	9,028	824	765	769	749	657	663	710	777	708	789	753	866
Male .....	5,067	472	424	439	391	364	381	428	446	387	429	436	470
Female .....	3,961	352	341	330	356	293	282	282	331	319	360	317	396
<b>New Mexico</b> .....	10,425	939	936	942	789	889	799	821	787	816	916	870	922
Male .....	5,780	531	501	509	457	501	438	436	451	464	485	509	498
Female .....	4,645	407	435	433	332	388	361	385	336	352	431	361	424
<b>White</b> .....	9,495	868	881	859	727	814	716	744	713	722	842	788	843
Male .....	5,210	485	455	458	420	452	383	394	399	400	442	464	458
Female .....	4,285	381	406	401	307	362	333	350	314	322	400	324	385
<b>All other</b> .....	930	72	75	83	62	75	83	77	74	94	74	82	79
Male .....	570	46	46	51	37	49	55	42	52	64	43	45	40
Female .....	360	26	29	32	25	26	28	35	22	30	31	37	39
<b>Black</b> .....	185	10	17	14	5	18	23	16	15	23	16	10	17
Male .....	100	4	10	10	3	10	13	7	9	15	7	3	8
Female .....	85	6	7	4	2	8	10	9	7	8	9	7	9
<b>New York</b> .....	176,315	15,898	14,739	16,449	14,496	14,341	13,618	14,210	14,572	13,431	14,664	14,238	15,560
Male .....	89,438	8,174	7,358	8,175	7,376	7,388	6,933	7,251	7,482	6,887	7,380	7,132	7,894
Female .....	86,877	7,824	7,399	8,273	7,120	6,943	6,665	6,959	7,090	6,544	7,284	7,106	7,666
<b>White</b> .....	149,274	13,587	12,485	14,068	12,304	12,182	11,533	11,883	12,301	11,297	12,370	12,072	13,174
Male .....	74,188	6,789	6,097	6,818	6,144	6,200	5,744	5,957	6,170	5,672	6,228	5,934	6,535
Female .....	75,088	6,788	6,388	7,248	6,160	5,982	5,789	5,936	6,131	5,625	6,242	6,138	6,839
<b>All other</b> .....	27,041	2,411	2,254	2,382	2,192	2,149	2,085	2,317	2,271	2,134	2,294	2,166	2,386
Male .....	15,250	1,385	1,259	1,357	1,232	1,188	1,189	1,294	1,312	1,215	1,252	1,198	1,359
Female .....	11,791	1,026	995	1,025	960	951	996	1,023	959	919	1,042	968	1,027
<b>Black</b> .....	25,393	2,273	2,096	2,222	2,076	2,024	1,955	2,174	2,142	1,982	2,154	2,042	2,243
Male .....	14,224	1,288	1,162	1,262	1,161	1,127	1,109	1,204	1,228	1,124	1,166	1,123	1,266
Female .....	11,169	975	934	960	915	897	852	970	914	868	988	919	977
<b>North Carolina</b> .....	57,841	5,117	4,840	5,547	4,527	4,636	4,328	4,550	4,488	4,483	4,873	4,867	5,275
Male .....	30,570	2,744	2,589	2,836	2,435	2,525	2,275	2,416	2,424	2,386	2,596	2,581	2,783
Female .....	27,071	2,373	2,251	2,711	2,092	2,111	2,053	2,134	2,064	2,107	2,277	2,286	2,492
<b>White</b> .....	43,514	3,882	3,601	4,255	3,390	3,480	3,262	3,391	3,369	3,400	3,665	3,681	3,828
Male .....	22,827	2,036	1,868	2,147	1,621	1,686	1,636	1,773	1,813	1,784	1,936	1,936	2,049
Female .....	20,887	1,846	1,833	2,108	1,669	1,614	1,624	1,618	1,556	1,615	1,729	1,755	1,879
<b>All other</b> .....	14,127	1,235	1,139	1,292	1,137	1,156	1,066	1,159	1,119	1,093	1,208	1,176	1,347
Male .....	7,748	708	621	689	614	639	577	643	611	602	660	625	734
Female .....	6,384	527	518	603	523	487	489	516	508	491	548	551	613
<b>Black</b> .....	13,827	1,183	1,102	1,239	1,100	1,112	1,031	1,123	1,072	1,054	1,168	1,148	1,289
Male .....	7,445	675	601	659	591	626	551	617	581	581	645	605	713
Female .....	6,182	508	501	580	509	486	480	506	491	473	521	541	586



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Table 1-21. Deaths by Month, Race, and Sex: United States and Each State, 1988—Con.

Area, race, and sex	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
North Dakota	5,684	523	490	491	467	473	441	467	414	411	491	500	496
Male	3,089	280	274	258	250	258	237	258	246	229	260	277	282
Female	2,575	243	218	233	217	215	204	209	168	182	231	223	214
White	5,478	507	473	477	454	461	428	448	400	394	474	483	479
Male	2,974	272	265	246	244	249	227	248	238	219	250	267	251
Female	2,504	235	208	231	210	212	201	202	162	175	224	216	228
All other	188	16	17	14	13	12	13	19	14	17	17	17	11
Male	115	8	9	12	6	9	10	12	8	10	10	10	6
Female	71	8	8	2	7	3	3	7	6	7	7	7	5
Black	2	1	-	-	-	-	-	-	-	1	-	-	-
Male	2	1	-	-	-	-	-	-	-	1	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio	100,127	8,972	8,399	9,226	8,212	8,253	7,928	7,968	7,917	7,806	8,532	8,102	8,812
Male	50,525	4,516	4,269	4,559	4,074	4,172	4,022	4,033	4,035	4,033	4,274	4,099	4,439
Female	49,602	4,456	4,130	4,667	4,138	4,081	3,906	3,935	3,882	3,773	4,258	4,003	4,373
White	88,409	8,051	7,512	8,271	7,338	7,394	7,074	7,042	7,037	6,859	7,528	7,219	7,884
Male	44,725	4,023	3,760	4,042	3,625	3,694	3,572	3,524	3,570	3,569	3,793	3,617	3,936
Female	44,684	4,028	3,752	4,229	3,713	3,700	3,502	3,518	3,467	3,390	3,835	3,802	3,948
All other	10,718	921	887	955	874	859	854	826	880	847	804	883	928
Male	5,600	493	509	517	448	478	450	508	465	494	481	462	503
Female	4,918	428	378	438	426	381	404	417	415	353	323	401	425
Black	10,545	912	889	934	857	844	842	807	868	843	887	860	910
Male	5,697	488	487	506	442	463	442	500	459	462	471	472	495
Female	4,848	424	372	428	415	381	400	407	409	381	416	394	421
Oklahoma	30,032	2,801	2,869	2,858	2,388	2,438	2,282	2,298	2,323	2,252	2,488	2,375	2,671
Male	15,533	1,421	1,445	1,485	1,235	1,306	1,218	1,175	1,180	1,180	1,284	1,218	1,406
Female	14,499	1,380	1,424	1,373	1,153	1,130	1,064	1,124	1,143	1,072	1,224	1,157	1,265
White	27,005	2,553	2,587	2,574	2,119	2,209	2,002	2,059	2,080	2,007	2,251	2,125	2,399
Male	13,935	1,287	1,282	1,338	1,112	1,192	1,069	1,050	1,057	1,051	1,141	1,082	1,254
Female	13,070	1,266	1,275	1,236	1,057	1,017	933	1,009	1,033	956	1,110	1,043	1,145
All other	3,027	248	302	284	229	227	280	233	233	245	237	250	282
Male	1,598	134	153	147	123	114	149	115	123	129	123	136	152
Female	1,429	114	149	137	106	113	111	115	110	116	114	114	130
Black	1,928	152	191	178	142	154	168	142	147	151	156	172	175
Male	1,013	82	103	92	75	77	85	73	78	78	79	98	93
Female	915	70	88	86	67	77	73	69	69	75	83	78	82
Oregon	24,810	2,280	2,130	2,205	2,065	2,016	1,986	1,967	2,059	1,869	1,989	1,943	2,291
Male	12,823	1,158	1,083	1,117	1,102	1,005	1,036	1,021	1,087	997	1,077	982	1,178
Female	11,987	1,087	1,088	1,088	963	1,011	960	946	972	872	912	961	1,113
White	24,101	2,217	2,073	2,137	2,006	1,857	1,838	1,910	1,999	1,810	1,940	1,899	2,226
Male	12,415	1,120	1,034	1,081	1,066	973	1,010	989	1,048	959	1,046	950	1,139
Female	11,686	1,097	1,039	1,056	940	884	828	921	951	851	894	898	1,087
All other	709	63	57	68	59	59	58	57	60	59	49	55	66
Male	408	38	29	36	36	32	28	32	39	38	31	32	39
Female	301	25	28	32	23	27	32	25	21	21	18	23	26
Black	352	34	19	40	29	28	28	33	26	30	20	27	40
Male	214	19	12	20	15	17	13	19	21	19	12	19	28
Female	138	15	7	20	14	9	15	14	5	11	8	8	12
Pennsylvania	126,028	11,522	10,436	12,129	10,444	10,150	9,666	10,302	9,893	9,579	10,589	10,342	10,976
Male	63,627	5,743	5,283	6,042	5,379	5,167	4,782	5,309	5,008	4,879	5,333	5,168	5,524
Female	62,401	5,779	5,153	6,087	5,065	4,983	4,874	4,993	4,885	4,700	5,256	5,174	5,452
White	113,838	10,447	9,462	11,021	9,449	9,160	8,698	9,277	8,899	8,638	9,525	9,361	9,903
Male	57,075	5,442	4,772	5,446	4,851	4,633	4,256	4,732	4,467	4,378	4,780	4,643	4,954
Female	56,763	5,265	4,690	5,575	4,598	4,527	4,442	4,545	4,432	4,267	4,765	4,718	4,949
All other	12,190	1,075	974	1,108	960	980	968	1,025	984	943	1,064	981	1,073
Male	6,552	581	511	596	528	534	536	577	541	500	573	525	570
Female	5,638	514	463	512	467	456	432	448	453	443	491	456	503
Black	11,942	1,059	943	1,088	972	974	951	996	975	927	1,040	962	1,006
Male	6,406	554	496	581	514	523	525	554	529	493	583	515	559
Female	5,536	505	447	507	458	451	426	442	446	434	477	447	496
Rhode Island	9,723	931	871	848	843	791	789	782	755	696	779	818	842
Male	4,777	458	445	405	400	401	382	392	383	357	387	391	406
Female	4,946	473	426	441	443	390	407	390	382	329	392	427	436
White	9,384	911	846	825	820	783	748	747	721	668	748	789	810
Male	4,590	448	429	391	384	383	351	374	344	355	371	377	383
Female	4,804	463	417	434	436	380	397	373	377	311	377	412	427
All other	329	20	25	21	23	28	21	35	34	30	31	29	32
Male	197	10	16	14	16	18	11	18	19	12	16	14	23
Female	142	10	9	7	7	10	10	17	15	18	15	15	9
Black	282	17	24	18	20	24	17	29	30	21	28	25	29
Male	162	8	15	11	15	16	8	16	16	9	15	13	20
Female	120	9	9	7	5	8	9	13	14	12	13	12	9
South Carolina	29,428	2,623	2,753	2,693	2,300	2,454	2,243	2,288	2,246	2,264	2,490	2,416	2,868
Male	15,520	1,370	1,413	1,417	1,219	1,271	1,167	1,213	1,203	1,208	1,326	1,322	1,391
Female	13,908	1,253	1,340	1,276	1,081	1,183	1,076	1,075	1,043	1,056	1,164	1,094	1,267
White	19,970	1,761	1,864	1,844	1,557	1,663	1,531	1,550	1,551	1,569	1,666	1,649	1,785
Male	10,470	920	948	969	816	875	773	825	811	847	871	901	914
Female	9,500	841	916	875	741	788	758	725	740	722	795	748	851
All other	9,458	862	889	849	743	791	712	738	685	695	824	787	893
Male	5,050	450	465	448	403	386	384	388	382	381	455	421	477
Female	4,408	412	424	401	340	395	318	350	303	314	369	348	416
Black	9,417	856	888	848	740	789	709	735	694	692	817	760	891
Male	5,023	445	464	445	402	395	393	387	391	356	450	416	477
Female	4,394	411	424	401	338	394	316	348	303	334	367	344	414

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Table 1-21. Deaths by Month, Race, and Sex: United States and Each State, 1988—Con.

Area, race, and sex	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
South Dakota	6,579	663	611	558	504	536	493	552	467	481	542	559	613
Male	3,487	350	316	299	252	281	263	279	242	273	288	301	343
Female	3,092	313	295	259	252	255	230	273	225	208	254	258	270
White	6,170	628	574	529	473	504	470	509	433	448	511	523	558
Male	3,241	327	295	281	233	264	252	252	223	253	269	281	311
Female	2,929	301	279	248	240	240	218	257	210	195	242	242	257
All other	409	35	37	29	31	32	23	43	34	33	31	36	45
Male	246	23	21	18	19	17	11	27	19	20	19	20	32
Female	163	12	16	11	12	15	12	16	15	13	12	16	13
Black	6	-	1	-	1	1	-	3	-	-	-	-	-
Male	5	-	1	-	1	1	-	2	-	-	-	-	-
Female	1	-	-	-	-	-	-	1	-	-	-	-	-
Tennessee	45,775	4,250	4,088	4,181	3,775	3,755	3,441	3,559	3,560	3,411	3,804	3,773	4,178
Male	24,088	2,228	2,128	2,187	1,988	1,989	1,815	1,889	1,803	1,823	2,033	1,950	2,146
Female	21,689	2,024	1,962	2,014	1,776	1,756	1,626	1,660	1,657	1,588	1,771	1,823	2,032
White	38,201	3,582	3,431	3,477	3,183	3,138	2,871	2,954	2,903	2,859	3,168	3,112	3,515
Male	20,100	1,886	1,780	1,789	1,697	1,681	1,510	1,579	1,552	1,526	1,700	1,588	1,812
Female	18,101	1,696	1,651	1,678	1,486	1,477	1,361	1,375	1,351	1,333	1,468	1,514	1,703
All other	7,574	668	657	704	582	617	570	605	657	552	638	681	683
Male	3,988	340	346	368	302	338	305	320	351	297	333	352	334
Female	3,588	328	311	336	280	279	265	285	306	255	305	309	329
Black	7,622	683	653	688	578	612	587	604	648	646	635	660	657
Male	3,952	336	343	384	300	334	304	320	348	284	330	351	330
Female	3,670	327	310	334	278	278	283	284	303	252	305	309	327
Texas	122,674	11,998	11,464	10,668	9,890	9,799	9,464	9,725	9,828	9,612	9,795	9,686	11,016
Male	65,864	6,281	5,968	5,825	5,326	5,247	5,095	5,343	5,361	5,148	5,338	5,203	5,751
Female	56,810	5,717	5,496	4,843	4,564	4,552	4,369	4,382	4,467	4,464	4,457	4,483	5,264
White	106,381	10,359	10,087	9,450	8,472	8,458	8,221	8,355	8,407	8,182	8,453	8,435	9,522
Male	56,851	5,411	5,214	5,072	4,578	4,537	4,395	4,577	4,557	4,420	4,597	4,516	4,847
Female	49,530	4,948	4,873	4,378	3,894	3,921	3,826	3,778	3,850	3,742	3,856	3,919	4,575
All other	16,493	1,529	1,377	1,418	1,358	1,331	1,243	1,370	1,421	1,350	1,342	1,261	1,493
Male	9,013	820	752	753	748	710	700	766	804	728	741	687	804
Female	7,480	709	625	665	610	621	543	604	617	622	601	574	689
Black	15,997	1,498	1,342	1,379	1,310	1,293	1,200	1,340	1,365	1,316	1,306	1,220	1,428
Male	8,732	802	732	730	722	690	679	746	777	707	721	665	767
Female	7,265	696	610	649	588	603	527	594	588	609	585	555	661
Utah	9,224	901	813	792	717	770	742	754	727	742	699	738	829
Male	4,849	450	409	438	382	397	415	417	381	377	358	411	416
Female	4,375	451	404	358	335	373	327	337	346	365	341	327	413
White	9,022	883	797	770	702	749	729	737	708	731	688	720	810
Male	4,744	440	407	420	375	388	407	408	368	374	360	401	406
Female	4,278	443	390	350	327	361	322	329	338	357	328	319	404
All other	202	18	16	22	15	21	13	17	21	11	11	18	19
Male	105	10	2	16	7	8	8	9	13	3	8	10	10
Female	97	8	14	6	8	12	5	8	8	3	3	8	9
Black	54	6	7	3	6	8	3	4	5	1	2	2	7
Male	29	3	2	2	4	4	2	3	2	-	2	1	4
Female	25	3	5	1	2	4	1	1	3	1	-	1	3
Vermont	4,688	403	401	404	387	385	352	368	402	355	434	370	397
Male	2,328	211	211	171	189	192	200	189	183	182	207	180	201
Female	2,340	192	180	233	208	193	152	177	219	173	227	190	196
White	4,651	402	400	404	396	383	350	363	400	353	434	369	397
Male	2,318	210	211	171	188	190	199	187	182	182	207	180	201
Female	2,333	192	189	233	208	193	151	176	218	171	227	179	196
All other	15	1	1	-	1	2	2	3	2	2	-	1	-
Male	8	1	1	-	1	2	1	2	1	-	-	-	-
Female	7	-	1	-	-	-	1	1	1	2	-	1	-
Black	8	-	1	-	1	-	1	-	2	2	-	1	-
Male	2	-	-	-	1	-	-	-	-	-	-	-	-
Female	6	-	1	-	-	-	1	-	1	2	-	1	-
Virginia	47,608	4,320	4,195	4,481	3,940	3,876	3,636	3,690	3,603	3,645	4,038	3,935	4,249
Male	25,128	2,268	2,182	2,257	2,033	2,140	1,894	2,032	1,920	1,880	2,098	2,115	2,209
Female	22,480	2,052	2,013	2,224	1,907	1,736	1,742	1,658	1,683	1,665	1,940	1,820	2,040
White	36,753	3,350	3,277	3,507	3,082	2,948	2,821	2,820	2,757	2,813	3,118	3,024	3,238
Male	18,098	1,694	1,662	1,745	1,573	1,609	1,475	1,524	1,460	1,498	1,592	1,603	1,661
Female	17,657	1,656	1,615	1,762	1,509	1,339	1,346	1,296	1,297	1,315	1,526	1,421	1,575
All other	10,855	970	918	928	858	928	815	870	846	832	920	911	1,013
Male	6,032	574	520	512	480	531	419	508	460	482	506	512	548
Female	4,823	396	398	462	398	397	396	362	386	350	414	399	465
Black	10,641	851	898	862	837	908	794	855	829	814	905	889	1,001
Male	5,916	564	509	506	452	521	407	498	453	470	495	498	543
Female	4,725	387	387	456	385	387	387	357	376	344	410	391	458
Washington	36,398	3,519	3,255	3,155	2,976	2,966	2,894	2,950	2,827	2,824	2,912	2,901	3,169
Male	18,982	1,803	1,632	1,655	1,578	1,579	1,534	1,534	1,513	1,482	1,537	1,521	1,614
Female	17,346	1,716	1,623	1,500	1,398	1,387	1,360	1,416	1,314	1,342	1,375	1,380	1,545
White	34,512	3,347	3,106	3,010	2,836	2,809	2,766	2,788	2,685	2,686	2,761	2,715	3,003
Male	17,898	1,710	1,542	1,567	1,491	1,482	1,454	1,431	1,424	1,403	1,452	1,421	1,519
Female	16,614	1,637	1,564	1,443	1,345	1,327	1,312	1,357	1,261	1,283	1,309	1,294	1,484
All other	1,826	172	149	146	140	157	128	162	142	138	151	186	166
Male	1,096	93	90	88	87	97	80	103	89	89	95	100	95
Female	730	79	59	57	53	60	48	59	53	49	56	86	61
Black	820	81	73	60	64	67	51	71	68	67	63	85	70
Male	497	41	48	33	38	43	33	47	44	41	37	44	48
Female	323	40	25	27	26	24	18	24	24	26	26	41	22

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Table 1-21. Deaths by Month, Race, and Sex: United States and Each State, 1988—Con.

Area, race, and sex	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
West Virginia	19,794	1,735	1,644	1,916	1,677	1,660	1,586	1,565	1,447	1,467	1,697	1,852	1,749
Male	10,214	916	826	944	885	880	808	790	744	781	900	859	882
Female	9,580	819	818	972	792	780	778	775	703	686	797	794	868
White	16,951	1,644	1,583	1,840	1,613	1,592	1,510	1,504	1,381	1,399	1,617	1,691	1,668
Male	9,790	871	795	896	858	849	776	765	710	747	853	822	840
Female	9,161	773	788	944	757	743	734	739	671	652	764	769	828
All other	843	81	81	76	84	86	87	81	66	68	80	81	80
Male	424	45	31	38	29	31	32	25	34	34	47	36	42
Female	419	46	30	38	35	37	35	38	32	34	33	25	38
Black	835	81	81	75	83	87	87	80	86	86	78	81	80
Male	420	45	31	37	28	31	32	24	34	33	47	36	42
Female	415	46	30	38	35	38	35	38	32	33	31	25	38
Wisconsin	43,032	4,099	3,770	3,708	3,395	3,552	3,546	3,495	3,390	3,216	3,685	3,516	3,681
Male	22,190	2,076	1,881	1,901	1,744	1,859	1,822	1,811	1,749	1,689	1,944	1,842	1,873
Female	20,842	2,022	1,889	1,807	1,641	1,694	1,724	1,674	1,641	1,527	1,741	1,674	1,808
White	41,501	3,934	3,650	3,581	3,257	3,438	3,416	3,369	3,254	3,108	3,582	3,384	3,558
Male	21,393	1,894	1,808	1,827	1,689	1,788	1,741	1,735	1,675	1,627	1,873	1,787	1,799
Female	20,198	1,940	1,842	1,754	1,568	1,650	1,675	1,628	1,579	1,479	1,689	1,617	1,757
All other	1,531	164	120	127	128	114	130	122	136	110	123	132	125
Male	887	82	73	74	75	70	81	78	74	62	71	75	74
Female	644	82	47	53	53	44	49	48	62	48	52	57	51
Black	1,242	123	102	109	108	90	103	88	117	94	89	109	100
Male	718	60	82	84	85	67	84	62	85	51	57	61	60
Female	524	63	40	45	49	33	39	38	52	43	42	48	40
Wyoming	3,248	311	303	291	282	247	255	271	285	233	288	242	300
Male	1,787	164	182	167	156	138	139	160	148	129	181	128	157
Female	1,449	147	141	124	106	109	116	111	119	104	116	114	143
White	3,184	304	288	281	280	240	244	264	282	228	255	235	295
Male	1,751	158	161	162	155	134	134	155	146	124	143	124	155
Female	1,413	146	137	118	105	106	110	109	110	102	112	111	140
All other	82	7	5	10	2	7	11	7	3	7	11	7	5
Male	46	1	1	5	1	4	5	5	—	5	8	4	2
Female	36	1	4	5	1	3	6	2	3	2	3	3	3
Black	19	1	1	1	2	—	3	3	—	2	2	1	3
Male	8	1	—	1	1	—	1	1	—	2	—	1	—
Female	11	—	1	—	1	—	2	2	—	—	2	—	3

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Table 1-22. Deaths by Specified Race or National Origin and Sex: United States and Each State, 1988

Area	All races			White			Black			American Indian 1			Chinese		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
United States .....	2,167,999	1,125,540	1,042,459	1,876,906	965,419	911,487	264,019	144,228	119,791	7,917	4,617	3,300	4,958	2,968	1,990
Alabama .....	39,127	20,626	18,501	28,541	15,004	13,537	10,520	5,591	4,929	24	12	12	8	5	3
Alaska .....	2,064	1,303	761	1,444	926	518	52	32	20	530	320	210	2	-	2
Arizona .....	27,684	15,458	12,226	25,720	14,289	11,431	726	419	307	1,138	687	451	33	21	12
Arkansas .....	24,904	13,269	11,635	20,751	11,076	9,675	4,120	2,176	1,944	13	8	5	2	1	1
California .....	215,485	112,634	102,851	189,176	97,751	91,425	17,248	9,525	7,721	662	367	295	2,441	1,438	1,003
Colorado .....	21,350	11,080	10,270	20,449	10,603	9,846	714	385	329	58	33	25	14	9	5
Connecticut .....	28,576	14,263	14,313	26,613	13,148	13,465	1,868	1,065	803	18	8	10	14	9	5
Delaware .....	5,769	2,958	2,811	4,819	2,437	2,382	933	514	419	4	2	2	2	2	2
District of Columbia .....	7,664	4,148	3,516	1,630	895	935	5,782	3,222	2,560	5	2	3	19	10	9
Florida .....	131,044	71,278	59,766	116,332	62,999	53,333	14,266	8,110	6,316	42	30	12	63	37	26
Georgia .....	51,627	27,330	24,297	36,937	19,523	17,414	14,571	7,742	6,829	6	6	-	8	5	3
Hawaii .....	6,075	3,594	2,481	1,897	1,125	772	52	33	19	17	9	8	393	210	183
Idaho .....	7,701	4,186	3,515	7,583	4,121	3,464	20	12	8	72	43	29	4	1	3
Illinois .....	105,250	53,634	51,616	88,831	44,560	44,271	15,880	8,767	7,113	63	35	28	125	78	47
Indiana .....	50,037	25,566	24,471	46,214	23,476	22,738	3,763	2,055	1,708	5	2	3	12	9	3
Iowa .....	27,869	14,020	13,849	27,526	13,835	13,691	284	152	132	30	14	16	4	3	1
Kansas .....	22,992	11,515	11,477	21,766	10,863	10,903	1,123	595	528	60	33	27	4	4	2
Kentucky .....	35,616	18,740	16,876	32,872	17,327	15,545	2,681	1,380	1,301	10	7	3	4	2	2
Louisiana .....	37,601	19,814	17,707	25,660	13,475	12,213	11,793	6,266	5,527	28	19	9	6	4	2
Maine .....	11,519	5,782	5,737	11,471	5,757	5,714	14	7	7	28	14	12	-	-	-
Maryland .....	38,655	19,880	18,775	29,409	14,716	14,693	8,996	5,025	3,971	14	9	5	54	35	19
Massachusetts .....	56,463	27,331	29,152	54,311	28,132	28,179	1,917	1,047	870	37	23	14	116	63	53
Michigan .....	80,147	41,505	38,642	34,994	18,284	16,710	11,580	6,356	5,224	132	76	56	34	20	14
Minnesota .....	35,447	18,026	17,421	34,691	17,580	17,111	428	235	193	224	150	74	18	14	4
Mississippi .....	24,834	13,261	11,573	16,118	8,592	7,526	8,633	4,622	4,011	52	29	23	14	9	5
Missouri .....	50,840	26,041	24,799	45,571	23,207	22,364	5,187	2,785	2,402	23	14	9	10	7	3
Montana .....	6,781	3,537	3,244	6,415	3,322	3,093	10	7	3	346	203	143	2	2	-
Nebraska .....	14,872	7,505	7,367	14,369	7,254	7,115	397	198	199	85	44	41	4	3	1
Nevada .....	8,474	4,930	3,544	7,816	4,555	3,261	446	263	183	113	61	52	12	7	5
New Hampshire .....	8,770	4,326	4,444	8,740	4,312	4,428	22	10	12	2	1	1	2	1	1
New Jersey .....	73,413	37,385	36,028	63,936	32,066	31,870	9,028	5,067	3,961	32	18	14	187	115	82
New Mexico .....	10,425	5,780	4,645	9,495	5,210	4,285	185	100	85	723	461	262	4	-	4
New York .....	176,315	89,438	86,877	149,274	74,188	75,086	25,393	14,224	11,169	132	73	59	927	582	345
North Carolina .....	57,641	30,570	27,071	43,514	22,827	20,687	13,627	7,445	6,182	429	258	171	12	9	3
North Dakota .....	5,664	3,089	2,575	5,470	2,974	2,504	2	2	-	178	110	68	-	-	-
Ohio .....	100,127	50,525	49,602	89,409	44,725	44,684	10,545	5,697	4,848	52	29	23	28	18	10
Oklahoma .....	30,032	15,533	14,499	27,005	13,835	13,070	1,928	1,013	915	1,057	571	486	8	3	5
Oregon .....	24,810	12,823	11,987	24,101	12,415	11,686	352	214	138	179	101	78	53	27	26
Pennsylvania .....	126,028	63,627	62,401	113,838	57,075	56,763	11,942	6,406	5,536	23	7	16	51	39	12
Rhode Island .....	9,723	4,777	4,946	9,394	4,590	4,804	282	162	120	27	11	16	4	3	1
South Carolina .....	28,428	15,520	13,908	19,970	10,470	9,500	9,417	5,023	4,394	11	8	3	5	3	2
South Dakota .....	6,579	3,487	3,092	6,170	3,241	2,929	6	5	1	399	240	159	1	1	-
Tennessee .....	45,775	24,086	21,689	38,201	20,100	18,101	7,522	3,952	3,570	8	6	2	3	1	2
Texas .....	122,874	65,864	57,010	106,361	56,851	49,530	15,987	8,732	7,255	53	26	27	96	62	34
Utah .....	9,224	4,849	4,375	9,022	4,744	4,278	54	29	25	76	43	33	11	7	4
Vermont .....	4,666	2,326	2,340	4,661	2,318	2,333	8	2	6	1	1	-	1	1	-
Virginia .....	47,608	25,128	22,480	36,753	18,098	17,657	10,641	5,916	4,725	22	11	11	31	24	7
Washington .....	38,338	18,992	17,346	34,512	17,896	16,616	820	497	323	406	223	183	88	57	31
West Virginia .....	19,794	10,214	9,580	18,951	9,790	9,161	835	420	415	2	1	1	1	1	-
Wisconsin .....	43,032	22,190	20,842	41,501	21,303	20,198	1,242	718	524	209	122	87	14	9	5
Wyoming .....	3,246	1,797	1,449	3,164	1,751	1,413	19	8	11	59	36	23	-	-	-

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Table 1-22. Deaths by Specified Race or National Origin and Sex: United States and Each State, 1988--Con.

Area	Japanese			Hawaiian			Filipino			Other Asian or Pacific Islander			Other		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
United States	3,655	1,942	1,713	1,130	602	528	3,667	2,461	1,166	5,553	3,162	2,391	194	121	73
Alabama	3	1	2	1	-	1	4	2	2	22	8	14	4	3	1
Alaska	2	1	1	1	1	-	15	11	4	18	12	6	-	-	-
Arizona	10	5	5	-	-	-	17	17	-	40	20	20	-	-	-
Arkansas	2	-	2	-	-	-	2	1	1	14	7	7	-	-	-
California	1,478	772	706	86	44	42	2,171	1,444	727	2,154	1,246	908	71	47	24
Colorado	41	22	19	-	-	-	5	4	1	89	24	45	-	-	-
Connecticut	5	1	4	-	-	-	5	1	4	43	27	16	10	4	6
Delaware	-	-	-	-	-	-	2	2	-	8	3	5	1	-	1
District of Columbia	1	1	-	-	-	-	5	2	3	17	12	5	5	4	1
Florida	9	3	6	1	1	-	30	19	11	135	74	61	6	5	1
Georgia	10	1	9	-	-	-	6	4	2	86	48	38	3	1	2
Hawaii	1,681	953	738	990	533	457	844	616	228	190	114	76	1	1	-
Idaho	14	6	8	-	-	-	2	1	1	4	2	2	-	-	-
Illinois	57	29	28	2	1	1	36	23	13	254	141	113	2	-	2
Indiana	8	3	5	-	-	-	8	7	-	26	13	13	1	1	-
Iowa	3	1	2	-	-	-	-	-	-	21	14	7	1	1	-
Kansas	2	1	1	-	-	-	3	-	3	34	19	15	-	-	-
Kentucky	2	-	2	-	-	-	3	2	1	44	22	22	-	-	-
Louisiana	1	-	1	1	-	1	11	8	3	48	31	17	25	11	14
Maine	1	-	1	-	-	1	-	-	-	2	-	2	4	4	-
Maryland	9	2	7	-	-	-	29	13	16	143	79	64	1	1	-
Massachusetts	8	4	4	-	-	-	6	2	4	87	59	28	1	1	-
Michigan	11	5	6	-	-	-	27	19	8	77	34	43	2	1	1
Minnesota	6	1	5	-	-	-	6	4	2	73	41	32	1	1	-
Mississippi	2	1	1	-	-	-	3	2	1	12	6	6	-	-	-
Missouri	2	1	1	3	-	3	7	5	2	37	22	15	-	-	-
Montana	1	-	1	2	1	1	2	2	-	3	-	3	-	-	-
Nebraska	5	2	3	1	1	-	1	-	1	10	3	7	-	-	-
Nevada	3	2	1	2	2	-	31	18	13	50	21	29	1	1	-
New Hampshire	1	-	1	-	-	-	-	-	-	3	2	1	-	-	-
New Jersey	17	8	9	4	2	2	32	16	18	149	83	66	18	10	8
New Mexico	3	1	2	1	1	-	2	2	-	12	5	7	-	-	-
New York	50	31	19	4	3	1	70	49	21	449	278	171	16	10	6
North Carolina	2	-	2	1	-	1	7	2	5	49	29	20	-	-	-
North Dakota	1	-	1	-	-	-	2	2	-	3	1	2	-	-	-
Ohio	14	11	3	-	-	-	6	2	4	89	40	29	4	3	1
Oklahoma	2	-	2	2	1	1	5	1	4	25	9	16	-	-	-
Oregon	38	15	23	6	2	4	18	11	7	58	33	25	5	5	-
Pennsylvania	8	1	7	2	1	1	25	17	8	135	79	56	4	2	2
Rhode Island	1	1	-	-	-	-	-	-	-	15	10	5	-	-	-
South Carolina	3	-	3	-	-	-	2	1	1	20	15	5	-	-	-
South Dakota	2	-	2	-	-	-	-	-	-	1	-	1	-	-	-
Tennessee	2	-	2	1	-	1	5	4	1	30	21	9	3	2	1
Texas	17	3	14	2	1	1	34	19	15	302	170	132	2	-	2
Utah	15	7	8	-	-	-	1	-	-	45	19	26	-	-	-
Vermont	-	-	-	-	-	-	1	-	1	4	4	-	-	-	-
Virginia	6	-	6	2	-	2	33	20	13	120	61	59	-	-	-
Washington	77	42	35	13	6	7	131	101	30	280	169	121	1	1	-
West Virginia	-	-	-	-	-	-	3	1	2	2	1	1	1	1	-
Wisconsin	5	2	3	1	1	-	9	4	5	51	31	20	-	-	-
Wyoming	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-

1 Includes deaths among Aleuts and Eskimos.

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044 and their four-digit subcategories; see Technical Appendix ]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
All causes	2,167,899	1,125,540	1,042,459	985,419	911,487	160,121	130,972	144,228	119,791
<b>I. Infectious and parasitic diseases (001-139)</b>									
Intestinal infectious diseases (001-009)	391	175	216	127	173	48	43	39	37
Cholera (001)	-	-	-	-	-	-	-	-	-
Due to <i>Vibrio cholerae</i> (001.0)	-	-	-	-	-	-	-	-	-
Due to <i>Vibrio cholerae</i> <i>el tor</i> (001.1)	-	-	-	-	-	-	-	-	-
Unspecified (001.9)	-	-	-	-	-	-	-	-	-
Typhoid and paratyphoid fevers (002)	-	-	-	-	-	-	-	-	-
Typhoid fever (002.0)	-	-	-	-	-	-	-	-	-
Paratyphoid fever A (002.1)	-	-	-	-	-	-	-	-	-
Paratyphoid fever B (002.2)	-	-	-	-	-	-	-	-	-
Paratyphoid fever C (002.3)	-	-	-	-	-	-	-	-	-
Paratyphoid fever, unspecified (002.9)	-	-	-	-	-	-	-	-	-
Other salmonella infections (003)	66	34	32	24	28	10	6	10	6
Salmonella gastroenteritis (003.0)	20	7	13	6	11	1	2	1	2
Salmonella septicemia (003.1)	31	18	13	14	11	4	2	4	2
Localized salmonella infections (003.2)	7	5	2	1	-	4	2	4	2
Other (003.8)	-	-	-	-	-	-	-	-	-
Unspecified (003.9)	6	4	4	3	4	1	-	1	-
Shigellosis (004)	8	3	5	1	3	2	2	-	1
Shigella dysenteriae (004.0)	-	-	-	-	-	-	-	-	-
Shigella flexneri (004.1)	1	-	1	-	1	-	-	-	-
Shigella boydii (004.2)	-	-	-	-	-	-	-	-	-
Shigella sonnei (004.3)	-	-	-	-	-	-	-	-	-
Other (004.8)	-	-	-	-	-	-	-	-	-
Unspecified (004.9)	7	3	4	1	2	2	2	-	1
Other food poisoning (bacterial) (005)	5	3	2	2	1	1	1	-	1
Staphylococcal food poisoning (005.0)	-	-	-	-	-	-	-	-	-
Botulism (005.1)	1	1	-	-	-	1	-	-	-
Food poisoning due to <i>Clostridium perfringens</i> ( <i>Cl. welchii</i> ) (005.2)	1	-	1	-	-	-	1	-	1
Food poisoning due to other <i>Clostridia</i> (005.3)	-	-	-	-	-	-	-	-	-
Food poisoning due to <i>Vibrio parahaemolyticus</i> (005.4)	-	-	-	-	-	-	-	-	-
Other bacterial food poisoning (005.6)	-	-	-	-	-	-	-	-	-
Food poisoning, unspecified (005.9)	3	2	1	2	1	-	-	-	-
Amebiasis (006)	7	2	5	1	3	1	2	-	1
Acute amebic dysentery without mention of abscess (006.0)	-	-	-	-	-	-	-	-	-
Chronic intestinal amebiasis without mention of abscess (006.1)	-	-	-	-	-	-	-	-	-
Amebic nondysenteric colitis (006.2)	-	-	-	-	-	-	-	-	-
Amebic liver abscess (006.3)	3	2	1	1	-	1	1	-	1
Amebic lung abscess (006.4)	-	-	-	-	-	-	-	-	-
Amebic brain abscess (006.5)	-	-	-	-	-	-	-	-	-
Amebic skin ulceration (006.6)	-	-	-	-	-	-	-	-	-
Amebic infection of other sites (006.8)	-	-	-	-	-	-	-	-	-
Amebiasis, unspecified (006.9)	4	-	4	-	3	-	1	-	-
Other protozoal intestinal diseases (007)	7	5	2	5	1	-	1	-	1
Balantidiasis (007.0)	-	-	-	-	-	-	-	-	-
Giardiasis (007.1)	1	-	1	-	1	-	-	-	-
Coccidiosis (007.2)	6	5	1	5	-	-	1	-	1
Intestinal trichomoniasis (007.3)	-	-	-	-	-	-	-	-	-
Other protozoal intestinal diseases (007.8)	-	-	-	-	-	-	-	-	-
Unspecified (007.9)	-	-	-	-	-	-	-	-	-
Intestinal infections due to other organisms (008)	147	58	89	51	80	7	9	6	7
Escherichia coli (008.0)	-	-	-	-	-	-	-	-	-
Arizona (008.1)	-	-	-	-	-	-	-	-	-
Aerobacter aerogenes (008.2)	-	-	-	-	-	-	-	-	-
Proteus (mirabilis) (morganii) (008.3)	-	-	-	-	-	-	-	-	-
Other specified bacteria (008.4)	54	23	31	20	28	3	3	2	2
Bacterial enteritis, unspecified (008.5)	4	2	2	2	2	-	-	-	-
Enteritis due to specified virus (008.6)	1	1	-	1	-	-	-	-	-
Other organism, not elsewhere classified (008.8)	88	32	56	28	50	4	6	4	5
Ill-defined intestinal infections (009)	151	70	81	43	59	27	22	23	20
Infectious colitis, enteritis, and gastroenteritis (009.0)	146	67	79	41	58	26	21	23	20
Infectious diarrhea (009.2)	5	3	2	2	1	1	1	-	-
Tuberculosis (010-018)	1,921	1,221	700	730	442	491	258	422	219
Primary tuberculous infection (010)	-	-	-	-	-	-	-	-	-
Primary tuberculous complex (010.0)	-	-	-	-	-	-	-	-	-
Tuberculous pleurisy in primary progressive tuberculosis (010.1)	-	-	-	-	-	-	-	-	-
Other primary progressive tuberculosis (010.8)	-	-	-	-	-	-	-	-	-
Unspecified (010.9)	-	-	-	-	-	-	-	-	-
Pulmonary tuberculosis (011)	1,467	972	495	603	341	389	184	314	134
Tuberculosis of lung, infiltrative (011.0)	-	-	-	-	-	-	-	-	-
Tuberculosis of lung, nodular (011.1)	-	-	-	-	-	-	-	-	-
Tuberculosis of lung with cavitation (011.2)	57	43	14	24	6	19	8	16	8
Tuberculosis of bronchus (011.3)	24	10	14	8	12	2	2	2	1
Tuberculous fibrosis of lung (011.4)	58	38	20	32	18	6	2	4	1
Tuberculous bronchiectasis (011.5)	15	11	4	8	3	3	1	1	-
Tuberculous pneumonia, any form (011.6)	191	131	60	85	39	46	21	37	20
Tuberculous pneumothorax (011.7)	7	6	1	4	-	2	1	2	1
Other pulmonary tuberculosis (011.8)	7	5	2	5	1	1	1	1	-
Unspecified (011.9)	1,108	731	377	441	258	280	119	251	103
Other respiratory tuberculosis (012)	21	14	7	8	5	6	2	5	1
Tuberculous pleurisy (012.0)	19	13	6	8	4	5	2	5	1









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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Leprosy-Con.									
Other (030.8)	-	-	-	-	-	-	-	-	-
Unspecified (030.9)	-	-	-	-	-	-	-	-	-
Diseases due to other mycobacteria (031)	236	163	73	128	66	35	7	35	6
Pulmonary (031.0)	166	119	47	92	43	27	4	27	3
Cutaneous (031.1)	-	-	-	-	-	-	-	-	-
Other (031.8)	1	1	-	1	-	-	-	-	-
Unspecified (031.9)	69	43	26	35	23	8	3	8	3
Diphtheria (032)	-	-	-	-	-	-	-	-	-
Faucial diphtheria (032.0)	-	-	-	-	-	-	-	-	-
Nasopharyngeal diphtheria (032.1)	-	-	-	-	-	-	-	-	-
Anterior nasal diphtheria (032.2)	-	-	-	-	-	-	-	-	-
Laryngeal diphtheria (032.3)	-	-	-	-	-	-	-	-	-
Other (032.8)	-	-	-	-	-	-	-	-	-
Diphtheria, unspecified (032.9)	-	-	-	-	-	-	-	-	-
Whooping cough (033)	4	2	2	2	1	-	1	-	1
Bordetella pertussis (B. pertussis) (033.0)	1	-	1	-	1	-	-	-	-
Bordetella parapertussis (B. parapertussis) (033.1)	-	-	-	-	-	-	-	-	-
Other specified organism (033.8)	-	-	-	-	-	-	-	-	-
Whooping cough, unspecified organism (033.9)	3	2	1	2	-	-	1	-	1
Streptococcal sore throat and scarlatina (034)	10	5	5	5	5	-	-	-	-
Streptococcal sore throat (034.0)	9	5	4	5	4	-	-	-	-
Scarlatina (034.1)	1	-	1	-	1	-	-	-	-
Erysipelas (035)	3	1	2	1	1	-	1	-	1
Meningococcal infection (036)	278	143	135	102	96	41	39	37	34
Meningococcal meningitis (036.0)	87	43	44	35	33	8	11	7	10
Meningococcal encephalitis (036.1)	4	1	3	-	2	1	1	1	1
Meningococemia (036.2)	136	69	67	45	49	24	18	22	15
Waterhouse-Friderichsen syndrome, meningococcal (036.3)	49	30	19	22	12	8	7	7	6
Meningococcal carditis (036.4)	-	-	-	-	-	-	-	-	-
Other (036.8)	-	-	-	-	-	-	-	-	-
Unspecified (036.9)	2	-	2	-	-	-	2	-	2
Tetanus (037)	17	10	7	10	5	-	2	-	2
Septicemia (038)	20,925	9,132	11,793	7,270	9,673	1,862	2,120	1,729	2,011
Streptococcal septicemia (038.0)	292	117	135	95	104	22	31	16	30
Staphylococcal septicemia (038.1)	1,025	474	551	371	479	103	72	90	69
Pneumococcal septicemia (038.2)	188	80	88	44	66	36	22	31	20
Septicemia due to anaerobes (038.3)	62	28	34	24	30	4	4	4	4
Septicemia due to other gram-negative organisms (038.4)	1,459	686	773	532	608	154	165	143	152
Other specified septicemias (038.8)	133	61	72	49	62	12	10	12	8
Unspecified septicemia (038.9)	17,826	7,866	10,140	6,155	8,324	1,531	1,816	1,431	1,728
Actinomycotic infections (039)	70	43	27	39	22	4	5	3	3
Cutaneous (039.0)	-	-	-	-	-	-	-	-	-
Pulmonary (039.1)	39	27	12	26	11	1	1	-	-
Abdominal (039.2)	-	-	-	-	-	-	-	-	-
Cervicofacial (039.3)	-	-	-	-	-	-	-	-	-
Madura foot (039.4)	-	-	-	-	-	-	-	-	-
Of other specified sites (039.8)	9	3	6	3	2	-	4	-	3
Of unspecified site (039.9)	22	13	9	10	9	3	-	3	-
Other bacterial diseases (040)	106	52	54	41	41	11	13	9	13
Gas gangrene (040.0)	65	32	23	23	15	9	8	8	8
Rhinoscleroma (040.1)	-	-	-	-	-	-	-	-	-
Whipple's disease (040.2)	3	3	-	3	-	-	-	-	-
Necrobacillosis (040.3)	-	-	-	-	-	-	-	-	-
Other bacterial diseases (040.8)	48	17	31	15	28	2	5	1	5
Bacterial infection of unspecified site (041)	264	128	136	107	118	21	18	18	16
Streptococcus (041.0)	22	11	11	11	9	-	2	-	1
Staphylococcus (041.1)	71	47	24	39	20	8	4	7	3
Pneumococcus (041.2)	8	2	6	1	5	1	1	1	1
Friedlander's bacillus (041.3)	8	5	3	3	3	2	-	2	-
Escherichia coli (041.4)	14	5	9	4	8	1	1	1	1
Haemophilus influenzae (H. influenzae) (041.5)	25	15	10	13	8	2	2	-	2
Proteus (mirabilis) (morganii) (041.6)	5	-	5	-	5	-	-	-	-
Pseudomonas (041.7)	52	21	31	17	27	4	4	4	4
Other (041.8)	22	8	14	7	12	1	2	1	2
Bacterial infection, unspecified (041.9)	37	14	23	12	21	2	2	2	2
Human immunodeficiency virus infection (*042-*044)	16,602	14,611	1,791	10,479	788	4,332	1,003	4,202	695
Human immunodeficiency virus infection with specified conditions (*042)	16,210	14,495	1,715	10,271	762	4,224	953	4,095	645
With specified infections (*042.0)	4,909	4,406	503	3,142	250	1,264	253	1,214	250
Causing other specified infections (*042.1)	2,848	2,635	313	1,861	130	774	183	760	180
With specified malignant neoplasms (*042.2)	1,529	1,505	24	1,315	16	190	8	175	8
Acquired immunodeficiency syndrome, unspecified (*042.9)	6,824	5,949	875	3,983	366	1,998	509	1,956	507
Human immunodeficiency virus infection causing other specified conditions (*043)	170	139	31	98	14	41	17	41	17
Causing lymphadenopathy (*043.0)	-	-	-	-	-	-	-	-	-
Causing specified diseases of the central nervous system (*043.1)	62	50	12	36	3	14	9	14	9
Causing other disorders involving the immune mechanism (*043.2)	3	3	-	2	-	1	-	1	-
Causing other specified conditions (*043.3)	49	44	5	31	4	13	1	13	1
Acquired immunodeficiency syndrome-related complex, unspecified (*043.9)	56	42	14	29	7	13	7	13	7
Other human immunodeficiency virus infection (*044)	222	177	45	110	12	67	33	66	33
Causing specified acute infections (*044.0)	-	-	-	-	-	-	-	-	-
Human immunodeficiency virus infection, unspecified (*044.9)	222	177	45	110	12	67	33	66	33

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Leprosy-Con.									
Other (030.8)	-	-	-	-	-	-	-	-	-
Unspecified (030.9)	-	-	-	-	-	-	-	-	-
Diseases due to other mycobacteria (031)	0.1	0.1	0.1	0.1	0.1	0.2	0.0	0.2	0.0
Pulmonary (031.0)	.1	.1	.0	.1	.0	.1	.0	.2	.0
Cutaneous (031.1)	-	-	-	-	-	-	-	-	-
Other (031.8)	.0	.0	.0	.0	.0	.0	.0	.1	.0
Unspecified (031.9)	.0	.0	.0	.0	.0	.0	.0	.1	.0
Diphtheria (032)	-	-	-	-	-	-	-	-	-
Faucial diphtheria (032.0)	-	-	-	-	-	-	-	-	-
Nasopharyngeal diphtheria (032.1)	-	-	-	-	-	-	-	-	-
Anterior nasal diphtheria (032.2)	-	-	-	-	-	-	-	-	-
Laryngeal diphtheria (032.3)	-	-	-	-	-	-	-	-	-
Other (032.8)	-	-	-	-	-	-	-	-	-
Diphtheria, unspecified (032.9)	-	-	-	-	-	-	-	-	-
Whooping cough (033)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bordetella pertussis (B. pertussis) (033.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bordetella parapertussis (B. parapertussis) (033.1)	-	-	-	-	-	-	-	-	-
Other specified organism (033.8)	-	-	-	-	-	-	-	-	-
Whooping cough, unspecified organism (033.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Streptococcal sore throat and scarlatina (034)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Streptococcal sore throat (034.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Scarlatina (034.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Erysipelas (035)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Meningococcal infection (036)	.1	.1	.1	.1	.1	.2	.2	.3	.2
Meningococcal meningitis (036.0)	.0	.0	.0	.0	.0	.0	.1	.0	.1
Meningococcal encephalitis (036.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Meningococemia (036.2)	.1	.1	.1	.0	.0	.1	.1	.2	.1
Waterhouse-Fridrichsen syndrome, meningococcal (036.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Meningococcal cerebritis (036.4)	-	-	-	-	-	-	-	-	-
Other (036.8)	-	-	-	-	-	-	-	-	-
Unspecified (036.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Tetanus (037)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Septicemia (038)	6.5	7.6	9.4	7.2	8.1	10.1	10.6	12.1	12.7
Streptococcal septicemia (038.0)	.1	.1	.1	.1	.1	.1	.2	.1	.2
Staphylococcal septicemia (038.1)	.4	.4	.4	.4	.5	.6	.4	.6	.4
Pneumococcal septicemia (038.2)	.1	.1	.1	.0	.1	.2	.1	.2	.1
Septicemia due to anaerobes (038.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Septicemia due to other gram-negative organisms (038.4)	.6	.8	.6	.5	.6	.8	.8	1.0	1.0
Other specified septicemias (038.8)	.1	.1	.1	.0	.1	.1	.0	.1	.1
Unspecified septicemia (038.9)	7.3	6.4	8.0	6.1	7.9	8.3	9.8	10.0	10.9
Actinomycotic infections (039)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Cutaneous (039.0)	-	-	-	-	-	-	-	-	-
Pulmonary (039.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Abdominal (039.2)	-	-	-	-	-	-	-	-	-
Cervicofacial (039.3)	-	-	-	-	-	-	-	-	-
Madura foot (039.4)	-	-	-	-	-	-	-	-	-
Of other specified sites (039.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Of unspecified site (039.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other bacterial diseases (040)	.0	.0	.0	.0	.0	.1	.1	.1	.1
Gas gangrene (040.0)	.0	.0	.0	.0	.0	.0	.0	.1	.1
Rhinoscleroma (040.1)	-	-	-	-	-	-	-	-	-
Whipple's disease (040.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nocardiosis (040.3)	-	-	-	-	-	-	-	-	-
Other bacterial diseases (040.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bacterial infection of unspecified site (041)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Streptococcus (041.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Staphylococcus (041.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Pneumococcus (041.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Friedlander's bacillus (041.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Escherichia coli (041.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Haemophilus influenzae (H. influenzae) (041.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Proteus (mirabilis) (morganii) (041.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Pseudomonas (041.7)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (041.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bacterial infection, unspecified (041.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Human immunodeficiency virus infection (*042-*044)	6.8	12.4	1.4	10.3	.7	23.6	5.0	29.3	6.3
Human immunodeficiency virus infection with specified conditions (*042)	8.8	12.1	1.4	10.1	.7	23.0	4.7	28.6	6.0
With specified infections (*042.0)	2.0	3.7	.4	3.1	.2	6.9	1.3	8.5	1.6
Causing other specified infections (*042.1)	1.2	2.2	.2	1.8	.1	4.2	.9	5.2	1.1
With specified malignant neoplasms (*042.2)	.6	1.3	.0	1.3	.0	1.0	.0	1.2	.1
Acquired immunodeficiency syndrome, unspecified (*042.9)	2.8	5.0	.7	3.9	.3	10.9	2.5	13.7	3.2
Human immunodeficiency virus infection causing other specified conditions (*043)	.1	.1	.0	.1	.0	.2	.1	.3	.1
Causing lymphadenopathy (*043.0)	-	-	-	-	-	-	-	-	-
Causing specified diseases of the central nervous system (*043.1)	.0	.0	.0	.0	.0	.1	.0	.1	.1
Causing other disorders involving the immune mechanism (*043.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Causing other specified conditions (*043.3)	.0	.0	.0	.0	.0	.1	.0	.1	.0
Acquired immunodeficiency syndrome-related complex, unspecified (*043.9)	.0	.0	.0	.0	.0	.1	.0	.1	.0
Other human immunodeficiency virus infection (*044)	.1	.1	.0	.1	.0	.4	.2	.5	.2
Causing specified acute infections (*044.0)	-	-	-	-	-	-	-	-	-
Human immunodeficiency virus infection, unspecified (*044.9)	.1	.1	.0	.1	.0	.4	.2	.5	.2





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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix ]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Mosquito-borne viral encephalitis-Con.									
Australian encephalitis (062.4)	-	-	-	-	-	-	-	-	-
California virus encephalitis (062.5)	-	-	-	-	-	-	-	-	-
Other (062.8)	-	-	-	-	-	-	-	-	-
Unspecified (062.9)	-	-	-	-	-	-	-	-	-
Tick-borne viral encephalitis (063)									
Russian spring-summer (taiga) encephalitis (063.0)	-	-	-	-	-	-	-	-	-
Louping ill (063.1)	-	-	-	-	-	-	-	-	-
Central European encephalitis (063.2)	-	-	-	-	-	-	-	-	-
Other (063.8)	-	-	-	-	-	-	-	-	-
Unspecified (063.9)	-	-	-	-	-	-	-	-	-
Viral encephalitis transmitted by other and unspecified arthropods (064)	-	-	-	-	-	-	-	-	-
Arthropod-borne hemorrhagic fever (065)									
Cribean hemorrhagic fever (CHF Congo virus) (065.0)	-	-	-	-	-	-	-	-	-
Omsk hemorrhagic fever (065.1)	-	-	-	-	-	-	-	-	-
Kyasanur Forest disease (065.2)	-	-	-	-	-	-	-	-	-
Other tick-borne hemorrhagic fever (065.3)	-	-	-	-	-	-	-	-	-
Mosquito-borne hemorrhagic fever (065.4)	-	-	-	-	-	-	-	-	-
Other (065.8)	-	-	-	-	-	-	-	-	-
Unspecified (065.9)	-	-	-	-	-	-	-	-	-
Other arthropod-borne viral diseases (066)									
Phlebotomus fever (066.0)	-	-	-	-	-	-	-	-	-
Tick-borne fever (066.1)	-	-	-	-	-	-	-	-	-
Venezuelan equine fever (066.2)	-	-	-	-	-	-	-	-	-
Other mosquito-borne fever (066.3)	-	-	-	-	-	-	-	-	-
Other (066.8)	-	-	-	-	-	-	-	-	-
Unspecified (066.9)	-	-	-	-	-	-	-	-	-
Other diseases due to viruses and Chlamydiae (070-079)	1,954	1,108	846	935	700	173	148	123	106
Viral hepatitis (070)	1,290	768	522	647	409	121	113	79	83
Viral hepatitis A with hepatic coma (070.0)	2	-	2	-	2	-	-	-	-
Viral hepatitis A without mention of hepatic coma (070.1)	68	41	27	32	23	9	4	7	2
Viral hepatitis B with hepatic coma (070.2)	56	39	17	34	13	5	4	1	2
Viral hepatitis B without mention of hepatic coma (070.3)	565	387	178	314	132	73	46	44	29
Other specified viral hepatitis with hepatic coma (070.4)	1	1	-	1	-	-	-	-	-
Other specified viral hepatitis without mention of hepatic coma (070.5)	7	1	6	1	5	-	1	-	1
Unspecified viral hepatitis with hepatic coma (070.6)	46	17	29	16	25	1	4	1	2
Unspecified viral hepatitis without mention of hepatic coma (070.9)	545	282	263	249	209	33	54	26	47
Rabies (071)	-	-	-	-	-	-	-	-	-
Mumps (072)	2	2	-	2	-	-	-	-	-
Mumps orchitis (072.0)	1	1	-	1	-	-	-	-	-
Mumps meningitis (072.1)	-	-	-	-	-	-	-	-	-
Mumps encephalitis (072.2)	-	-	-	-	-	-	-	-	-
Mumps pancreatitis (072.3)	-	-	-	-	-	-	-	-	-
Mumps with other complications (072.7)	-	-	-	-	-	-	-	-	-
Mumps with unspecified complication (072.8)	-	-	-	-	-	-	-	-	-
Mumps without mention of complication (072.9)	1	1	-	1	-	-	-	-	-
Ornithosis (073)	1	-	1	-	1	-	-	-	-
Specific diseases due to Coxsackie virus (074)	4	2	2	2	2	-	-	-	-
Herpangina (074.0)	-	-	-	-	-	-	-	-	-
Epidemic pleurodynia (074.1)	-	-	-	-	-	-	-	-	-
Coxsackie carditis (074.2)	4	2	2	2	2	-	-	-	-
Hand, foot, and mouth disease (074.3)	-	-	-	-	-	-	-	-	-
Other (074.8)	-	-	-	-	-	-	-	-	-
Infectious mononucleosis (075)	15	6	9	5	7	1	2	1	1
Trachoma (076)									
Initial stage (076.0)	-	-	-	-	-	-	-	-	-
Active stage (076.1)	-	-	-	-	-	-	-	-	-
Unspecified (076.9)	-	-	-	-	-	-	-	-	-
Other diseases of conjunctiva due to viruses and Chlamydiae (077)									
Inclusion conjunctivitis (077.0)	-	-	-	-	-	-	-	-	-
Epidemic keratoconjunctivitis (077.1)	-	-	-	-	-	-	-	-	-
Pharyngoconjunctival fever (077.2)	-	-	-	-	-	-	-	-	-
Other adenoviral conjunctivitis (077.3)	-	-	-	-	-	-	-	-	-
Epidemic hemorrhagic conjunctivitis (077.4)	-	-	-	-	-	-	-	-	-
Other viral conjunctivitis (077.8)	-	-	-	-	-	-	-	-	-
Unspecified (077.9)	-	-	-	-	-	-	-	-	-
Other diseases due to viruses and Chlamydiae (078)	306	180	116	157	97	33	19	28	11
Molluscum contagiosum (078.0)	-	-	-	-	-	-	-	-	-
Viral warts (078.1)	1	1	-	-	-	1	-	1	-
Sweating fever (078.2)	-	-	-	-	-	-	-	-	-
Cat-scratch disease (078.3)	-	-	-	-	-	-	-	-	-
Foot and mouth disease (078.4)	-	-	-	-	-	-	-	-	-
Cytomegalic inclusion disease (078.5)	225	152	73	125	57	27	18	22	8
Hemorrhagic nephrosonephritis (078.6)	-	-	-	-	-	-	-	-	-
Arenaviral hemorrhagic fever (078.7)	-	-	-	-	-	-	-	-	-
Other (078.8)	80	37	43	32	40	5	3	5	3
Viral infection of unspecified site (079)	338	140	198	122	184	18	12	15	11
Adenovirus (079.0)	4	2	2	2	2	-	-	-	-
ECHO virus (079.1)	1	-	1	-	1	-	-	-	-
Coxsackie virus (079.2)	2	1	1	1	1	-	-	-	-
Rhinovirus (079.3)	-	-	-	-	-	-	-	-	-
Other (079.8)	15	9	6	5	5	4	1	4	1
Unspecified (079.9)	314	128	186	114	175	14	11	11	10

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044 and their four-digit subcategories; see Technical Appendix ]

Cause of death	Race								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Mosquito-borne viral encephalitis-Con.									
Australian encephalitis (062.4)	-	-	-	-	-	-	-	-	-
California virus encephalitis (062.5)	-	-	-	-	-	-	-	-	-
Other (062.6)	-	-	-	-	-	-	-	-	-
Unspecified (062.9)	-	-	-	-	-	-	-	-	-
Tick-borne viral encephalitis (063)									
Russian spring-summer (falga) encephalitis (063.0)	-	-	-	-	-	-	-	-	-
Louping ill (063.1)	-	-	-	-	-	-	-	-	-
Central European encephalitis (063.2)	-	-	-	-	-	-	-	-	-
Other (063.5)	-	-	-	-	-	-	-	-	-
Unspecified (063.9)	-	-	-	-	-	-	-	-	-
Viral encephalitis transmitted by other and unspecified arthropods (064)	-	-	-	-	-	-	-	-	-
Arthropod-borne hemorrhagic fever (065)									
Crimean hemorrhagic fever (CHF Congo virus) (065.0)	-	-	-	-	-	-	-	-	-
Omsk hemorrhagic fever (065.1)	-	-	-	-	-	-	-	-	-
Kyasanur Forest disease (065.2)	-	-	-	-	-	-	-	-	-
Other tick-borne hemorrhagic fever (065.3)	-	-	-	-	-	-	-	-	-
Mosquito-borne hemorrhagic fever (065.4)	-	-	-	-	-	-	-	-	-
Other (065.8)	-	-	-	-	-	-	-	-	-
Unspecified (065.9)	-	-	-	-	-	-	-	-	-
Other arthropod-borne viral diseases (066)									
Phlebotomus fever (066.0)	-	-	-	-	-	-	-	-	-
Tick-borne fever (066.1)	-	-	-	-	-	-	-	-	-
Venezuelan equine fever (066.2)	-	-	-	-	-	-	-	-	-
Other mosquito-borne fever (066.3)	-	-	-	-	-	-	-	-	-
Other (066.8)	-	-	-	-	-	-	-	-	-
Unspecified (066.9)	-	-	-	-	-	-	-	-	-
Other diseases due to viruses and Chlamydiae (070-079)	0.8	0.9	0.7	0.8	0.7	0.9	0.7	0.9	0.7
Viral hepatitis (070)	.5	.6	.4	.6	.4	.7	.6	.6	.5
Viral hepatitis A with hepatic coma (070.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Viral hepatitis A without mention of hepatic coma (070.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Viral hepatitis B with hepatic coma (070.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Viral hepatitis B without mention of hepatic coma (070.3)	.2	.3	.1	.3	.1	.4	.2	.3	.2
Other specified viral hepatitis with hepatic coma (070.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other specified viral hepatitis without mention of hepatic coma (070.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified viral hepatitis with hepatic coma (070.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified viral hepatitis without mention of hepatic coma (070.9)	.2	.2	.2	.2	.2	.2	.3	.2	.3
Rabies (071)	-	-	-	-	-	-	-	-	-
Mumps (072)	.0	.0	...	.0	...	-	-	-	-
Mumps orchitis (072.0)	.0	.0	...	.0	...	-	-	-	-
Mumps meningitis (072.1)	-	-	-	-	-	-	-	-	-
Mumps encephalitis (072.2)	-	-	-	-	-	-	-	-	-
Mumps pancreatitis (072.3)	-	-	-	-	-	-	-	-	-
Mumps with other complications (072.7)	-	-	-	-	-	-	-	-	-
Mumps with unspecified complication (072.8)	-	-	-	-	-	-	-	-	-
Mumps without mention of complication (072.9)	.0	.0	-	.0	-	-	-	-	-
Ornithosis (073)	.0	-	.0	-	.0	-	-	-	-
Specific diseases due to Coxsackie virus (074)	.0	.0	.0	.0	.0	-	-	-	-
Herpangina (074.0)	-	-	-	-	-	-	-	-	-
Epidemic pleurodynia (074.1)	-	-	-	-	-	-	-	-	-
Coxsackie carditis (074.2)	.0	.0	.0	.0	.0	-	-	-	-
Hand, foot, and mouth disease (074.3)	-	-	-	-	-	-	-	-	-
Other (074.8)	-	-	-	-	-	-	-	-	-
Infectious mononucleosis (075)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Trachoma (076)	-	-	-	-	-	-	-	-	-
Initial stage (076.0)	-	-	-	-	-	-	-	-	-
Active stage (076.1)	-	-	-	-	-	-	-	-	-
Unspecified (076.8)	-	-	-	-	-	-	-	-	-
Other diseases of conjunctiva due to viruses and Chlamydiae (077)	-	-	-	-	-	-	-	-	-
Inclusion conjunctivitis (077.0)	-	-	-	-	-	-	-	-	-
Epidemic keratoconjunctivitis (077.1)	-	-	-	-	-	-	-	-	-
Pharyngoconjunctival fever (077.2)	-	-	-	-	-	-	-	-	-
Other adenoviral conjunctivitis (077.3)	-	-	-	-	-	-	-	-	-
Epidemic hemorrhagic conjunctivitis (077.4)	-	-	-	-	-	-	-	-	-
Other viral conjunctivitis (077.8)	-	-	-	-	-	-	-	-	-
Unspecified (077.9)	-	-	-	-	-	-	-	-	-
Other diseases due to viruses and Chlamydiae (078)	.1	.2	.1	.2	.1	.2	.1	.2	.1
Molluscum contagiosum (078.0)	-	-	-	-	-	-	-	-	-
Viral warts (078.1)	.0	.0	-	-	-	.0	-	.0	-
Swelling fever (078.2)	-	-	-	-	-	-	-	-	-
Cat-scratch disease (078.3)	-	-	-	-	-	-	-	-	-
Foot and mouth disease (078.4)	-	-	-	-	-	-	-	-	-
Cytomegalic inclusion disease (078.5)	.1	.1	.1	.1	.1	.1	.1	.2	.1
Hemorrhagic nephrosomephritis (078.6)	-	-	-	-	-	-	-	-	-
Arenaviral hemorrhagic fever (078.7)	-	-	-	-	-	-	-	-	-
Other (078.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Viral infection of unspecified site (079)	.1	.1	.2	.1	.2	.1	.1	.1	.1
Adenovirus (079.0)	.0	.0	.0	.0	.0	-	-	-	-
ECHO virus (079.1)	.0	.0	.0	.0	.0	-	-	-	-
Coxsackie virus (079.2)	.0	.0	.0	.0	.0	-	-	-	-
Rhinovirus (079.3)	-	-	-	-	-	-	-	-	-
Other (079.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (079.9)	.1	.1	.1	.1	.2	.1	.1	.1	.1



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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Rickettsioses and other arthropod-borne diseases (080-089)	32	19	13	18	11	1	2	1	1
Louse-borne (epidemic) typhus (080)	-	-	-	-	-	-	-	-	-
Other typhus (081)	-	-	-	-	-	-	-	-	-
Murine (endemic) typhus (081.0)	-	-	-	-	-	-	-	-	-
Brill's disease (081.1)	-	-	-	-	-	-	-	-	-
Scrub typhus (081.2)	-	-	-	-	-	-	-	-	-
Unspecified (081.9)	-	-	-	-	-	-	-	-	-
Tick-borne rickettsioses (082)	20	14	6	13	5	1	1	1	1
Spotted fevers (082.0)	20	14	6	13	5	1	1	1	1
Boutonneuse fever (082.1)	-	-	-	-	-	-	-	-	-
North Asian tick fever (082.2)	-	-	-	-	-	-	-	-	-
Queensland tick typhus (082.3)	-	-	-	-	-	-	-	-	-
Other (082.8)	-	-	-	-	-	-	-	-	-
Unspecified (082.9)	-	-	-	-	-	-	-	-	-
Other rickettsioses (083)	-	-	-	-	-	-	-	-	-
Q fever (083.0)	-	-	-	-	-	-	-	-	-
Trench fever (083.1)	-	-	-	-	-	-	-	-	-
Rickettsialpox (083.2)	-	-	-	-	-	-	-	-	-
Other (083.8)	-	-	-	-	-	-	-	-	-
Unspecified (083.9)	-	-	-	-	-	-	-	-	-
Malaria (084)	7	9	4	3	3	-	1	-	-
Falciparum malaria (malignant tertian) (084.0)	4	2	2	2	2	-	-	-	-
Vivax malaria (benign tertian) (084.1)	-	-	-	-	-	-	-	-	-
Quartan malaria (084.2)	-	-	-	-	-	-	-	-	-
Ovale malaria (084.3)	-	-	-	-	-	-	-	-	-
Other malaria (084.4)	-	-	-	-	-	-	-	-	-
Mixed (084.5)	-	-	-	-	-	-	-	-	-
Unspecified (084.6)	3	1	2	1	1	-	1	-	-
Induced malaria (084.7)	-	-	-	-	-	-	-	-	-
Blackwater fever (084.8)	-	-	-	-	-	-	-	-	-
Other pernicious complications of malaria (084.9)	-	-	-	-	-	-	-	-	-
Leishmaniasis (085)	1	-	1	-	1	-	-	-	-
Visceral (kala-azar) (085.0)	1	-	1	-	1	-	-	-	-
Cutaneous, urban (085.1)	-	-	-	-	-	-	-	-	-
Cutaneous, Asian desert (085.2)	-	-	-	-	-	-	-	-	-
Cutaneous, Ethiopian (085.3)	-	-	-	-	-	-	-	-	-
Cutaneous, American (085.4)	-	-	-	-	-	-	-	-	-
Mucocutaneous, American (085.5)	-	-	-	-	-	-	-	-	-
Unspecified (085.9)	-	-	-	-	-	-	-	-	-
Trypanosomiasis (086)	1	-	1	-	1	-	-	-	-
Chagas' disease with heart involvement (086.0)	1	-	1	-	1	-	-	-	-
Chagas' disease with other organ involvement (086.1)	-	-	-	-	-	-	-	-	-
Chagas' disease without mention of organ involvement (086.2)	-	-	-	-	-	-	-	-	-
Gambian trypanosomiasis (086.3)	-	-	-	-	-	-	-	-	-
Rhodesian trypanosomiasis (086.4)	-	-	-	-	-	-	-	-	-
African trypanosomiasis, unspecified (086.5)	-	-	-	-	-	-	-	-	-
Unspecified (086.9)	-	-	-	-	-	-	-	-	-
Relapsing fever (087)	-	-	-	-	-	-	-	-	-
Louse-borne (087.0)	-	-	-	-	-	-	-	-	-
Tick-borne (087.1)	-	-	-	-	-	-	-	-	-
Unspecified (087.9)	-	-	-	-	-	-	-	-	-
Other arthropod-borne diseases (088)	3	2	1	2	1	-	-	-	-
Bartonellosis (088.0)	-	-	-	-	-	-	-	-	-
Other (088.8)	3	2	1	2	1	-	-	-	-
Unspecified (088.9)	-	-	-	-	-	-	-	-	-
Syphilis and other venereal diseases (090-099)	80	53	37	26	16	27	21	27	21
Congenital syphilis (090)	19	8	11	3	3	5	8	5	8
Early congenital syphilis, symptomatic (090.0)	-	-	-	-	-	-	-	-	-
Early congenital syphilis, unspecified (090.2)	3	1	2	1	-	-	2	-	2
Syphilitic interstitial keratitis (090.3)	-	-	-	-	-	-	-	-	-
Juvenile neurosyphilis (090.4)	2	-	2	-	1	-	1	-	1
Other late congenital syphilis, symptomatic (090.5)	1	-	1	-	1	-	-	-	-
Late congenital syphilis, unspecified (090.7)	-	-	-	-	-	-	-	-	-
Congenital syphilis, unspecified (090.9)	13	7	6	2	1	5	5	5	5
Early syphilis, symptomatic (091)	1	-	1	-	1	-	-	-	-
Genital syphilis, primary (091.0)	-	-	-	-	-	-	-	-	-
Primary anal syphilis (091.1)	-	-	-	-	-	-	-	-	-
Other primary syphilis (091.2)	-	-	-	-	-	-	-	-	-
Secondary syphilis of skin or mucous membranes (091.3)	1	-	1	-	1	-	-	-	-
Adenopathy due to secondary syphilis (091.4)	-	-	-	-	-	-	-	-	-
Uveitis due to secondary syphilis (091.5)	-	-	-	-	-	-	-	-	-
Secondary syphilis of viscera and bone (091.6)	-	-	-	-	-	-	-	-	-
Secondary syphilis, relapse (091.7)	-	-	-	-	-	-	-	-	-
Other forms of secondary syphilis (091.8)	-	-	-	-	-	-	-	-	-
Unspecified secondary syphilis (091.9)	-	-	-	-	-	-	-	-	-
Cardiovascular syphilis (093)	15	10	5	5	1	5	4	5	4
Aneurysm of aorta, specified as syphilitic (093.0)	3	2	1	2	-	-	1	-	1
Syphilitic aortitis (093.1)	3	1	2	-	-	-	2	1	2
Syphilitic endocarditis (093.2)	2	2	-	1	-	1	-	1	-
Other (093.8)	7	5	2	2	1	3	1	3	1
Unspecified (093.9)	-	-	-	-	-	-	-	-	-
Neurosyphilis (094)	40	27	13	15	7	12	6	12	6
Tabes dorsalis (094.0)	9	4	5	2	3	2	2	2	2
General paresis (094.1)	7	5	2	4	1	1	1	1	1
Syphilitic meningitis (094.2)	2	2	-	1	-	1	-	1	-



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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Neurosyphilis-Con.									
Other (094.8)	3	2	1	2	-	-	1	-	1
Unspecified (094.9)	19	14	5	6	3	8	2	8	2
Other forms of late syphilis with symptoms (095)	2	2	-	-	-	2	-	2	-
Other and unspecified syphilis (097)	8	4	4	2	3	2	1	2	1
Late syphilis, unspecified (097.0)	3	2	1	1	1	1	-	1	-
Syphilis, unspecified (097.9)	5	2	3	1	2	1	1	1	1
Gonococcal infections (098)	3	-	3	-	1	-	2	-	2
Acute, of lower genitourinary tract (098.0)	1	-	1	-	-	-	1	-	1
Acute, of upper genitourinary tract (098.1)	-	-	-	-	-	-	-	-	-
Chronic, of lower genitourinary tract (098.2)	-	-	-	-	-	-	-	-	-
Chronic, of upper genitourinary tract (098.3)	-	-	-	-	-	-	-	-	-
Of eye (098.4)	-	-	-	-	-	-	-	-	-
Of joint (098.5)	-	-	-	-	-	-	-	-	-
Of pharynx (098.6)	-	-	-	-	-	-	-	-	-
Of anus and rectum (098.7)	-	-	-	-	-	-	-	-	-
Of other sites (098.8)	2	-	2	-	1	-	1	-	1
Other venereal diseases (099)	2	2	-	1	-	1	-	1	-
Chancroid (099.0)	-	-	-	-	-	-	-	-	-
Lymphogranuloma venereum (099.1)	-	-	-	-	-	-	-	-	-
Granuloma inguinale (099.2)	-	-	-	-	-	-	-	-	-
Fleiter's disease (099.3)	1	1	-	1	-	-	-	-	-
Other nongonococcal urethritis (099.4)	-	-	-	-	-	-	-	-	-
Other (099.8)	-	-	-	-	-	-	-	-	-
Unspecified (099.9)	1	1	-	-	-	1	-	1	-
Other spirochetal diseases (100-104)	3	3	-	3	-	-	-	-	-
Leptospirosis (100)	2	2	-	2	-	-	-	-	-
Leptospirosis icterohemorrhagica (100.0)	1	1	-	1	-	-	-	-	-
Other (100.8)	-	-	-	-	-	-	-	-	-
Unspecified (100.9)	1	1	-	1	-	-	-	-	-
Vincent's angina (101)	1	1	-	1	-	-	-	-	-
Yaws (102)	-	-	-	-	-	-	-	-	-
Initial lesions (102.0)	-	-	-	-	-	-	-	-	-
Multiple papillomata and wet crab yaws (102.1)	-	-	-	-	-	-	-	-	-
Other early skin lesions (102.2)	-	-	-	-	-	-	-	-	-
Hyperkeratosis (102.3)	-	-	-	-	-	-	-	-	-
Gummata and ulcers (102.4)	-	-	-	-	-	-	-	-	-
Gangosa (102.5)	-	-	-	-	-	-	-	-	-
Bone and joint lesions (102.6)	-	-	-	-	-	-	-	-	-
Other manifestations (102.7)	-	-	-	-	-	-	-	-	-
Yaws, unspecified (102.9)	-	-	-	-	-	-	-	-	-
Pinta (103)	-	-	-	-	-	-	-	-	-
Primary lesions (103.0)	-	-	-	-	-	-	-	-	-
Intermediate lesions (103.1)	-	-	-	-	-	-	-	-	-
Late lesions (103.2)	-	-	-	-	-	-	-	-	-
Mixed lesions (103.3)	-	-	-	-	-	-	-	-	-
Unspecified (103.9)	-	-	-	-	-	-	-	-	-
Other spirochetal infection (104)	-	-	-	-	-	-	-	-	-
Nonvenereal endemic syphilis (104.0)	-	-	-	-	-	-	-	-	-
Other (104.8)	-	-	-	-	-	-	-	-	-
Unspecified (104.9)	-	-	-	-	-	-	-	-	-
Mycoses (110-118)	2,205	1,242	983	972	770	270	193	242	170
Dermatophytosis (110)	-	-	-	-	-	-	-	-	-
Of scalp and beard (110.0)	-	-	-	-	-	-	-	-	-
Of nail (110.1)	-	-	-	-	-	-	-	-	-
Of hand (110.2)	-	-	-	-	-	-	-	-	-
Of groin and perianal area (110.3)	-	-	-	-	-	-	-	-	-
Of foot (110.4)	-	-	-	-	-	-	-	-	-
Of the body (110.5)	-	-	-	-	-	-	-	-	-
Deep-seated dermatophytosis (110.6)	-	-	-	-	-	-	-	-	-
Of other sites (110.8)	-	-	-	-	-	-	-	-	-
Of unspecified site (110.9)	-	-	-	-	-	-	-	-	-
Dermatmycosis, other and unspecified (111)	3	1	2	1	1	-	1	-	1
Pityriasis versicolor (111.0)	-	-	-	-	-	-	-	-	-
Tinea nigra (111.1)	-	-	-	-	-	-	-	-	-
Tinea blanca (111.2)	-	-	-	-	-	-	-	-	-
Black piedra (111.3)	-	-	-	-	-	-	-	-	-
Other (111.8)	-	-	-	-	-	-	-	-	-
Unspecified (111.9)	3	1	2	1	1	-	1	-	1
Candidiasis (112)	965	480	485	386	403	94	82	83	73
Of mouth (112.0)	9	4	5	2	5	2	-	2	-
Of vulva and vagina (112.1)	-	-	-	-	-	-	-	-	-
Of other urogenital sites (112.2)	6	2	4	1	3	1	1	1	1
Of skin and nails (112.3)	-	-	-	-	-	-	-	-	-
Of lung (112.4)	97	58	39	51	32	7	7	6	6
Disseminated (112.5)	831	305	326	241	284	64	62	56	54
Of other sites (112.8)	47	23	24	17	24	6	-	8	-
Of unspecified site (112.9)	175	88	87	74	75	14	12	12	12
Coccidioidomycosis (114)	66	48	18	41	16	7	2	4	2
Histoplasmosis (115)	61	48	13	40	12	8	1	7	1
Infection by <i>Histoplasma capsulatum</i> (115.0)	6	5	1	5	1	-	-	-	-
Infection by <i>Histoplasma duboisii</i> (115.1)	-	-	-	-	-	-	-	-	-
Unspecified (115.9)	55	43	12	35	11	8	1	7	1







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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042\*044 and their four-digit subcategories; see Technical Appendix ]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Helminthiasis-Con.									
Other and unspecified helminthiasis (128)	1	1	--	--	--	1	--	1	--
Toxocarlasia (128.0)	--	--	--	--	--	--	--	--	--
Gnathostomiasis (128.1)	--	--	--	--	--	--	--	--	--
Other (128.8)	--	--	--	--	--	--	--	--	--
Unspecified (128.9)	1	1	--	--	--	1	--	1	--
Intestinal parasitism, unspecified (129)	3	1	2	1	2	--	--	--	--
Other infectious and parasitic diseases (130-136)	1,657	897	660	587	406	310	254	304	244
Toxoplasmosis (130)	64	48	16	37	10	11	6	11	6
Trichomoniasis (131)	--	--	--	--	--	--	--	--	--
Urogenital trichomoniasis (131.0)	--	--	--	--	--	--	--	--	--
Other sites (131.8)	--	--	--	--	--	--	--	--	--
Unspecified (131.9)	--	--	--	--	--	--	--	--	--
Pediculosis and phthirus infestation (132)	--	--	--	--	--	--	--	--	--
Pediculus capitis (head louse) (132.0)	--	--	--	--	--	--	--	--	--
Pediculus corporis (body louse) (132.1)	--	--	--	--	--	--	--	--	--
Phthirus pubis (pubic louse) (132.2)	--	--	--	--	--	--	--	--	--
Mixed (132.3)	--	--	--	--	--	--	--	--	--
Pediculosis, unspecified (132.9)	--	--	--	--	--	--	--	--	--
Acariasis (133)	--	--	--	--	--	--	--	--	--
Scabies (133.0)	--	--	--	--	--	--	--	--	--
Other (133.8)	--	--	--	--	--	--	--	--	--
Unspecified (133.9)	--	--	--	--	--	--	--	--	--
Other infestation (134)	--	--	--	--	--	--	--	--	--
Myiasis (134.0)	--	--	--	--	--	--	--	--	--
Other arthropod infestation (134.1)	--	--	--	--	--	--	--	--	--
Hirudiniasis (134.2)	--	--	--	--	--	--	--	--	--
Other (134.8)	--	--	--	--	--	--	--	--	--
Unspecified (134.9)	--	--	--	--	--	--	--	--	--
Sarcoidosis (135)	456	191	265	59	91	132	174	132	174
Other and unspecified infectious and parasitic diseases (136)	1,037	658	379	491	305	167	74	181	64
Athrum (136.0)	--	--	--	--	--	--	--	--	--
Behcet's syndrome (136.1)	7	3	4	3	3	--	1	--	1
Spicillite infections by free-living amoebae (136.2)	--	--	--	--	--	--	--	--	--
Pneumocystosis (136.3)	675	497	178	353	132	144	45	138	41
Psorospermiiasis (136.4)	--	--	--	--	--	--	--	--	--
Sarcosporidiosis (136.5)	--	--	--	--	--	--	--	--	--
Other (136.8)	4	2	2	2	1	--	1	--	1
Unspecified (136.9)	351	156	195	133	169	23	26	23	21
Late effects of infectious and parasitic diseases (137-139)	381	173	208	145	191	28	17	23	12
Late effects of tuberculosis (137)	225	100	125	79	111	21	14	16	9
Late effects of respiratory or unspecified tuberculosis (137.0)	224	100	124	79	110	21	14	16	9
Late effects of central nervous system tuberculosis (137.1)	--	--	--	--	--	--	--	--	--
Late effects of genitourinary tuberculosis (137.2)	--	--	--	--	--	--	--	--	--
Late effects of tuberculosis of bones and joints (137.3)	--	--	--	--	--	--	--	--	--
Late effects of tuberculosis of other specified organs (137.4)	1	--	1	--	1	--	--	--	--
Late effects of acute poliomyelitis (138)	186	65	71	59	68	6	3	6	3
Late effects of other infectious and parasitic diseases (139)	20	8	12	7	12	1	--	1	--
Late effects of viral encephalitis (139.0)	3	2	1	2	1	--	--	--	--
Late effects of trachoma (139.1)	--	--	--	--	--	--	--	--	--
Late effects of other and unspecified infectious and parasitic diseases (139.8)	17	6	11	5	11	1	--	1	--
II. Neoplasms (140-239)									
Malignant neoplasms of lip, oral cavity, and pharynx (140-149)	8,199	5,497	2,702	4,462	2,354	1,035	348	839	303
Malignant neoplasm of lip (140)	88	72	26	71	23	1	3	1	3
Upper lip, vermilion border (140.0)	1	--	1	--	1	--	--	--	--
Lower lip, vermilion border (140.1)	14	10	4	10	3	--	1	--	1
Upper lip, inner aspect (140.3)	--	--	--	--	--	--	--	--	--
Lower lip, inner aspect (140.4)	--	--	--	--	--	--	--	--	--
Lip, unspecified, inner aspect (140.5)	--	--	--	--	--	--	--	--	--
Commissure of lip (140.6)	1	1	--	1	--	--	--	--	--
Other (140.8)	--	--	--	--	--	--	--	--	--
Lip, unspecified, vermilion border (140.9)	82	61	21	60	19	1	2	1	2
Malignant neoplasm of tongue (141)	1,875	1,222	653	1,015	585	207	68	188	59
Base of tongue (141.0)	173	119	54	94	44	25	10	25	9
Dorsal surface of tongue (141.1)	--	--	--	--	--	--	--	--	--
Tip and lateral border of tongue (141.2)	--	--	--	--	--	--	--	--	--
Ventral surface of tongue (141.3)	--	--	--	--	--	--	--	--	--
Anterior two-thirds of tongue, part unspecified (141.4)	2	1	1	1	1	--	--	--	--
Junctional zone (141.5)	--	--	--	--	--	--	--	--	--
Lingual tonsil (141.6)	25	18	7	16	5	2	2	2	2
Other (141.8)	--	--	--	--	--	--	--	--	--
Tongue, unspecified (141.9)	1,675	1,084	591	904	535	180	56	171	48
Malignant neoplasms of major salivary glands (142)	608	360	248	337	220	23	28	18	24
Parotid gland (142.0)	470	282	188	265	165	17	23	14	20
Submandibular gland (142.1)	29	13	16	11	14	2	2	2	2
Sublingual gland (142.2)	--	--	--	--	--	--	--	--	--
Other (142.8)	--	--	--	--	--	--	--	--	--
Site unspecified (142.9)	109	65	44	61	41	4	3	2	2

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix ]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
<b>Helminthoses-Con.</b>									
Other and unspecified helminthoses (128) .....	0.0	0.0	-	-	-	0.0	-	0.0	-
Toxocariasis (128.0) .....	-	-	-	-	-	-	-	-	-
Gnathostomiasis (128.1) .....	-	-	-	-	-	-	-	-	-
Other (128.8) .....	-	-	-	-	-	-	-	-	-
Unspecified (128.9) .....	.0	.0	-	-	-	.0	-	.0	-
Intestinal parasitism, unspecified (129) .....	.0	.0	0.0	0.0	0.0	-	-	-	-
Other infectious and parasitic diseases (130-136) .....	.8	.7	.5	.8	.4	1.7	1.3	2.1	1.5
Toxoplasmosis (130) .....	.0	.0	.0	.0	.0	.1	.0	.1	.0
Trichomoniasis (131) .....	-	-	-	-	-	-	-	-	-
Urogenital trichomoniasis (131.0) .....	-	-	-	-	-	-	-	-	-
Other sites (131.8) .....	-	-	-	-	-	-	-	-	-
Unspecified (131.9) .....	-	-	-	-	-	-	-	-	-
Pediculosis and phthirus infestation (132) .....	-	-	-	-	-	-	-	-	-
Pediculus capitis (head louse) (132.0) .....	-	-	-	-	-	-	-	-	-
Pediculus corporis (body louse) (132.1) .....	-	-	-	-	-	-	-	-	-
Phthirus pubis (pubic louse) (132.2) .....	-	-	-	-	-	-	-	-	-
Mixed (132.3) .....	-	-	-	-	-	-	-	-	-
Pediculosis, unspecified (132.9) .....	-	-	-	-	-	-	-	-	-
Acariasis (133) .....	-	-	-	-	-	-	-	-	-
Scabies (133.0) .....	-	-	-	-	-	-	-	-	-
Other (133.8) .....	-	-	-	-	-	-	-	-	-
Unspecified (133.9) .....	-	-	-	-	-	-	-	-	-
Other infestation (134) .....	-	-	-	-	-	-	-	-	-
Myiasis (134.0) .....	-	-	-	-	-	-	-	-	-
Other arthropod infestation (134.1) .....	-	-	-	-	-	-	-	-	-
Hirudiniasis (134.2) .....	-	-	-	-	-	-	-	-	-
Other (134.8) .....	-	-	-	-	-	-	-	-	-
Unspecified (134.9) .....	-	-	-	-	-	-	-	-	-
Sarcoidosis (135) .....	.2	.2	.2	.1	.1	.7	.9	.9	1.1
Other and unspecified infectious and parasitic diseases (136) .....	.4	.5	.3	.5	.3	.9	.4	1.1	.4
Althum (136.0) .....	-	-	-	-	-	-	-	-	-
Babcock's syndrome (136.1) .....	.0	.0	.0	.0	.0	-	.0	-	.0
Specific infections by free-living amoebas (136.2) .....	-	-	-	-	-	-	-	-	-
Pneumocystosis (136.3) .....	.3	.4	.1	.3	.1	.8	.2	1.0	.3
Psorospermiiasis (136.4) .....	-	-	-	-	-	-	-	-	-
Sarcosporidiosis (136.5) .....	-	-	-	-	-	-	-	-	-
Other (136.8) .....	.0	.0	.0	.0	.0	-	.0	-	.0
Unspecified (136.9) .....	.1	.1	.2	.1	.2	.1	.1	.2	.1
Late effects of infectious and parasitic diseases (137-139) .....	.2	.1	.2	.1	.2	.2	.1	.2	.1
Late effects of tuberculosis (137) .....	.1	.1	.1	.1	.1	.1	.1	.1	.1
Late effects of respiratory or unspecified tuberculosis (137.0) .....	.1	.1	.1	.1	.1	.1	.1	.1	.1
Late effects of central nervous system tuberculosis (137.1) .....	-	-	-	-	-	-	-	-	-
Late effects of genitourinary tuberculosis (137.2) .....	-	-	-	-	-	-	-	-	-
Late effects of tuberculosis of bones and joints (137.3) .....	-	-	-	-	-	-	-	-	-
Late effects of tuberculosis of other specified organs (137.4) .....	.0	.0	-	-	.0	-	-	-	-
Late effects of acute poliomyelitis (138) .....	.1	.1	.1	.1	.1	.0	.0	.0	.0
Late effects of other infectious and parasitic diseases (139) .....	.0	.0	.0	.0	.0	.0	-	.0	-
Late effects of viral encephalitis (139.0) .....	.0	.0	.0	.0	.0	-	-	-	-
Late effects of trachoma (139.1) .....	-	-	-	-	-	-	-	-	-
Late effects of other and unspecified infectious and parasitic diseases (139.8) .....	.0	.0	.0	.0	.0	.0	-	.0	-
<b>II. Neoplasms (140-239)</b>									
Malignant neoplasms of lip, oral cavity, and pharynx (140-149) .....	3.3	4.6	2.1	4.4	2.2	5.6	1.7	6.6	1.9
Malignant neoplasm of lip (140) .....	.0	.1	.0	.1	.0	.0	.0	.0	.0
Upper lip, vermilion border (140.0) .....	.0	-	.0	-	.0	-	-	-	.0
Lower lip, vermilion border (140.1) .....	.0	.0	.0	.0	.0	-	.0	-	.0
Upper lip, inner aspect (140.3) .....	-	-	-	-	-	-	-	-	-
Lower lip, inner aspect (140.4) .....	-	-	-	-	-	-	-	-	-
Lip, unspecified, inner aspect (140.5) .....	-	-	-	-	-	-	-	-	-
Commissure of lip (140.6) .....	.0	.0	-	.0	-	-	-	-	-
Other (140.8) .....	-	-	-	-	-	-	-	-	-
Lip, unspecified, vermilion border (140.9) .....	.0	.1	.0	.1	.0	.0	.0	.0	.0
Malignant neoplasm of tongue (141) .....	.8	1.0	.5	1.0	.6	1.1	.3	1.4	.4
Base of tongue (141.0) .....	.1	.1	.0	.1	.0	.1	.0	.2	.1
Dorsal surface of tongue (141.1) .....	-	-	-	-	-	-	-	-	-
Tip and lateral border of tongue (141.2) .....	-	-	-	-	-	-	-	-	-
Ventral surface of tongue (141.3) .....	-	-	-	-	-	-	-	-	-
Anterior two-thirds of tongue, part unspecified (141.4) .....	.0	.0	.0	.0	.0	-	-	-	-
Junctional zone (141.5) .....	-	-	-	-	-	-	-	-	-
Lingual tonsil (141.6) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (141.8) .....	-	-	-	-	-	-	-	-	-
Tongue, unspecified (141.9) .....	.7	.9	.5	.9	.5	1.0	.3	1.2	.3
Malignant neoplasms of major salivary glands (142) .....	.2	.3	.2	.3	.2	.1	.1	.1	.2
Parotid gland (142.0) .....	.2	.2	.1	.3	.2	.1	.1	.1	.1
Submandibular gland (142.1) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sublingual gland (142.2) .....	-	-	-	-	-	-	-	-	-
Other (142.8) .....	-	-	-	-	-	-	-	-	-
Site unspecified (142.9) .....	.0	.1	.0	.1	.0	.0	.0	.0	.0



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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Malignant neoplasms of lip, oral cavity, and pharynx-Con.									
Malignant neoplasm of gum (143)	114	58	56	55	51	3	5	2	5
Upper gum (143.0)	14	6	8	6	6	-	2	-	2
Lower gum (143.1)	49	24	25	22	24	2	1	2	1
Other (143.9)	-	-	-	-	-	-	-	-	-
Gum, unspecified (143.9)	51	28	23	27	21	1	2	-	2
Malignant neoplasm of floor of mouth (144)	370	247	123	191	110	56	13	55	12
Anterior portion (144.0)	1	1	-	1	-	-	-	-	-
Lateral portion (144.1)	-	-	-	-	-	-	-	-	-
Other (144.8)	-	-	-	-	-	-	-	-	-
Part unspecified (144.9)	369	246	123	190	110	56	13	55	12
Malignant neoplasms of other and unspecified parts of mouth (145)	1,208	736	472	605	413	131	59	125	54
Cheek mucosa (145.0)	29	12	17	11	16	1	1	1	1
Vestibule of mouth (145.1)	-	-	-	-	-	-	-	-	-
Hard palate (145.2)	29	12	17	8	16	4	1	4	1
Soft palate (145.3)	92	65	27	50	22	15	5	15	5
Uvula (145.4)	17	11	6	10	2	1	4	1	4
Palate, unspecified (145.5)	144	84	60	70	52	14	8	14	8
Retromolar area (145.6)	29	18	11	16	11	2	-	2	-
Other (145.8)	1	1	-	-	-	1	-	1	-
Mouth, unspecified (145.9)	867	533	334	440	294	93	40	87	35
Malignant neoplasm of oropharynx (146)	1,151	813	338	626	281	187	57	183	83
Tonsil (146.0)	540	391	149	297	114	94	35	93	34
Tonsillar fossa (146.1)	47	35	12	28	12	7	-	7	-
Tonsillar pillars (anterior) (posterior) (146.2)	9	6	3	6	3	-	-	-	-
Vallecula (146.3)	8	6	-	5	-	1	-	1	-
Anterior aspect of epiglottis (146.4)	-	-	-	-	-	-	-	-	-
Junctional region (146.5)	-	-	-	-	-	-	-	-	-
Lateral wall of oropharynx (146.6)	-	-	-	-	-	-	-	-	-
Posterior wall of oropharynx (146.7)	4	3	1	2	1	1	-	1	-
Other (146.8)	3	3	-	3	-	-	-	-	-
Oropharynx, unspecified (146.9)	542	369	173	285	151	84	22	81	19
Malignant neoplasm of nasopharynx (147)	694	468	226	357	187	111	39	59	21
Superior wall (147.0)	-	-	-	-	-	-	-	-	-
Posterior wall (147.1)	12	6	6	8	6	-	-	-	-
Lateral wall (147.2)	-	-	-	-	-	-	-	-	-
Anterior wall (147.3)	2	2	-	2	-	-	-	-	-
Other (147.8)	-	-	-	-	-	-	-	-	-
Nasopharynx, unspecified (147.9)	680	460	220	349	181	111	39	59	21
Malignant neoplasm of hypopharynx (148)	573	451	122	365	103	86	19	78	19
Postcricoid region (148.0)	2	-	2	-	2	-	-	-	-
Pyriform sinus (148.1)	238	197	41	154	37	43	4	38	4
Aryepiglottic fold, hypopharyngeal aspect (148.2)	1	1	-	1	-	-	-	-	-
Posterior hypopharyngeal wall (148.3)	1	-	1	-	1	-	-	-	-
Other (148.8)	-	-	-	-	-	-	-	-	-
Hypopharynx, unspecified (148.9)	331	253	78	210	83	43	15	40	15
Malignant neoplasms of other and ill-defined sites within the lip, oral cavity, and pharynx (149)	1,508	1,070	438	840	381	230	57	220	53
Pharynx, unspecified (149.0)	1,507	1,069	438	839	381	230	57	220	53
Waldeyer's ring (149.1)	-	-	-	-	-	-	-	-	-
Other (149.8)	1	1	-	1	-	-	-	-	-
Ill-defined (149.9)	-	-	-	-	-	-	-	-	-
Malignant neoplasms of digestive organs and peritoneum (150-159)	117,416	61,875	55,541	52,903	48,303	8,972	7,238	7,732	6,409
Malignant neoplasm of esophagus (150)	9,336	6,916	2,420	5,260	1,922	1,656	498	1,580	470
Cervical part (150.0)	13	12	1	8	1	4	-	3	-
Thoracic part (150.1)	6	3	3	3	3	-	-	-	-
Abdominal part (150.2)	1	1	-	1	-	-	-	-	-
Upper third (150.3)	24	19	5	18	5	1	-	1	-
Middle third (150.4)	13	10	3	7	2	3	1	3	1
Lower third (150.5)	110	85	25	80	25	5	-	5	-
Other (150.8)	-	-	-	-	-	-	-	-	-
Esophagus, unspecified (150.9)	9,169	6,786	2,383	5,143	1,886	1,643	497	1,568	469
Malignant neoplasm of stomach (151)	13,676	8,105	5,571	6,499	4,586	1,606	985	1,316	802
Cardia (151.0)	565	458	107	438	102	20	5	18	5
Pylorus (151.1)	3	3	-	-	3	-	-	-	-
Pyloric antrum (151.2)	11	3	8	2	6	1	2	1	2
Fundus of stomach (151.3)	13	8	5	6	3	2	2	1	1
Body of stomach (151.4)	1	-	1	-	1	-	-	-	-
Lesser curvature, unspecified (151.5)	3	2	1	2	1	-	-	-	-
Greater curvature, unspecified (151.6)	-	-	-	-	-	-	-	-	-
Other (151.8)	-	-	-	-	-	-	-	-	-
Stomach, unspecified (151.9)	13,080	7,634	5,446	6,051	4,470	1,583	978	1,288	794
Malignant neoplasm of small intestine, including duodenum (152)	884	461	423	398	377	69	46	57	43
Duodenum (152.0)	356	186	170	161	147	25	23	23	22
Jejunum (152.1)	63	36	27	29	24	7	3	7	3
Ileum (152.2)	64	29	35	25	30	4	5	4	4
Meckel's diverticulum (152.3)	3	1	2	1	2	-	-	-	-
Other (152.8)	-	-	-	-	-	-	-	-	-
Small intestine, unspecified (152.9)	398	209	189	182	174	27	15	23	14
Malignant neoplasm of colon (153)	48,189	23,460	24,730	20,956	21,878	2,504	2,861	2,295	2,632
Hepatic flexure (153.0)	42	21	21	20	21	1	-	1	-
Transverse colon (153.1)	227	102	125	87	119	15	6	14	6
Descending colon (153.2)	242	109	133	95	114	14	19	12	15
Sigmoid colon (153.3)	1,347	640	707	582	638	58	69	43	58

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Malignant neoplasms of lip, oral cavity, and pharynx-Con.									
Malignant neoplasm of gum (143)	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Upper gum (143.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lower gum (143.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (143.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Gum, unspecified (143.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Malignant neoplasm of floor of mouth (144)	.2	.2	.1	.2	.1	.3	.1	.4	.1
Anterior portion (144.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lateral portion (144.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (144.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Part unspecified (144.9)	.2	.2	.1	.2	.1	.3	.1	.4	.1
Malignant neoplasms of other and unspecified parts of mouth (145)	.5	.6	.4	.6	.4	.7	.3	.9	.3
Cheek mucosa (145.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Vestibule of mouth (145.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Hard palate (145.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Soft palate (145.3)	.0	.1	.0	.0	.0	.1	.0	.1	.0
Uvula (145.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Palate, unspecified (145.5)	.1	.1	.0	.1	.0	.1	.0	.1	.1
Retromolar area (145.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (145.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Mouth, unspecified (145.8)	.4	.4	.3	.4	.3	.5	.2	.6	.2
Malignant neoplasm of oropharynx (146)	.5	.7	.3	.8	.3	1.0	.3	1.3	.3
Tonsil (146.0)	.2	.3	.1	.3	.1	.5	.2	.6	.2
Tonsillar fossa (146.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Tonsillar pillars (anterior) (posterior) (146.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Vallecula (146.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Anterior aspect of epiglottis (146.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Junctional region (146.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lateral wall of oropharynx (146.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Posterior wall of oropharynx (146.7)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (146.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oropharynx, unspecified (146.9)	.2	.3	.1	.3	.1	.5	.1	.6	.1
Malignant neoplasm of nasopharynx (147)	.3	.4	.2	.4	.2	.6	.2	.4	.1
Superior wall (147.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Posterior wall (147.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lateral wall (147.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Anterior wall (147.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (147.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nasopharynx, unspecified (147.8)	.3	.4	.2	.4	.2	.6	.2	.4	.1
Malignant neoplasm of hypopharynx (148)	.2	.4	.1	.4	.1	.5	.1	.5	.1
Postcricoid region (148.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Pyriform sinus (148.1)	.1	.2	.0	.2	.0	.2	.0	.3	.0
Aryepiglottic fold, hypopharyngeal aspect (148.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Posterior hypopharyngeal wall (148.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (148.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Hypopharynx, unspecified (148.9)	.1	.2	.1	.2	.1	.2	.1	.3	.1
Malignant neoplasms of other and ill-defined sites within the lip, oral cavity, and pharynx (149)	.6	.9	.3	.8	.4	1.3	.3	1.5	.3
Pharynx, unspecified (148.0)	.6	.9	.3	.8	.4	1.3	.3	1.5	.3
Waldeyer's ring (149.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (149.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ill-defined (149.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Malignant neoplasms of digestive organs and peritoneum (150-159)	47.8	51.7	44.1	52.2	45.6	48.9	36.0	54.0	40.4
Malignant neoplasm of esophagus (150)	3.8	5.8	1.9	5.2	1.8	9.0	2.5	11.0	3.0
Cervical part (150.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Thoracic part (150.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Abdominal part (150.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Upper third (150.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Middle third (150.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lower third (150.5)	.0	.1	.0	.1	.0	.0	.0	.0	.0
Other (150.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Esophagus, unspecified (150.9)	3.7	5.7	1.9	5.1	1.8	9.0	2.5	10.9	3.0
Malignant neoplasm of stomach (151)	5.8	8.8	4.4	6.4	4.3	8.8	4.9	9.2	5.1
Cardia (151.0)	.2	.4	.1	.4	.1	.1	.0	.1	.0
Pylorus (151.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Pyloric antrum (151.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Fundus of stomach (151.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Body of stomach (151.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lesser curvature, unspecified (151.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Greater curvature, unspecified (151.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (151.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Stomach, unspecified (151.9)	5.3	6.4	4.3	6.0	4.2	8.6	4.9	9.0	5.0
Malignant neoplasm of small intestine, including duodenum (152)	.4	.4	.3	.4	.4	.3	.2	.4	.3
Duodenum (152.0)	.1	.2	.1	.2	.1	.1	.1	.2	.1
Jejunum (152.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ileum (152.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Meckel's diverticulum (152.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (152.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Small intestine, unspecified (152.9)	.2	.2	.1	.2	.2	.1	.1	.2	.1
Malignant neoplasm of colon (153)	19.6	19.6	19.6	20.7	20.6	13.6	14.2	15.6	16.6
Hepatic flexure (153.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Transverse colon (153.1)	.1	.1	.1	.1	.1	.1	.0	.1	.0
Descending colon (153.2)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Sigmoid colon (153.3)	.5	.5	.6	.6	.6	.3	.3	.3	.4

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
<b>Malignant neoplasm of colon-Con.</b>									
Cecum (153.4)	1,030	439	591	395	526	44	65	39	69
Appendix (153.5)	137	86	71	57	64	9	7	9	6
Ascending colon (153.6)	798	344	454	314	402	30	52	22	46
Splenic flexure (153.7)	83	21	12	17	11	4	1	4	1
Other (153.8)	4	1	3	1	3	-	-	-	-
Colon, unspecified (153.9)	44,339	21,717	22,622	19,388	19,980	2,329	2,642	2,091	2,441
<b>Malignant neoplasms of rectum, rectosigmoid junction, and anus (154)</b>	7,721	4,124	3,597	3,678	3,214	446	363	370	341
Rectosigmoid junction (154.0)	1,269	671	598	608	536	62	62	55	52
Rectum (154.1)	6,108	3,327	2,781	2,982	2,494	365	267	299	256
Anal canal (154.2)	8	3	2	5	16	2	4	2	4
Anus, unspecified (154.3)	245	98	148	81	127	15	22	13	21
Other (154.8)	69	22	47	20	39	2	6	1	8
<b>Malignant neoplasms of liver and intrahepatic bile ducts (155)</b>	7,575	4,621	2,954	3,715	2,480	606	464	606	356
Liver, primary (155.0)	3,422	2,389	1,033	1,941	829	548	204	331	142
Intrahepatic bile ducts (155.1)	1,144	550	594	486	531	65	63	46	44
Liver, not specified as primary or secondary (155.2)	3,009	1,682	1,327	1,389	1,130	293	197	230	170
<b>Malignant neoplasms of gall bladder and extrahepatic bile ducts (156)</b>	3,953	1,432	2,521	1,284	2,245	148	276	114	208
Gallbladder (156.0)	2,062	573	1,489	510	1,322	63	167	48	121
Extrahepatic bile ducts (156.1)	1,033	486	567	417	520	48	47	38	34
Ampulla of Vater (156.2)	350	172	178	150	154	10	24	9	19
Other (156.8)	1	-	1	-	1	-	-	-	-
Biliary tract, part unspecified (156.9)	507	221	286	198	246	23	38	19	34
<b>Malignant neoplasm of pancreas (157)</b>	23,648	11,722	12,126	10,188	10,491	1,634	1,635	1,355	1,460
Head of pancreas (157.0)	702	307	395	268	331	41	64	40	67
Body of pancreas (157.1)	36	24	12	22	9	2	3	2	3
Tail of pancreas (157.2)	49	28	21	28	16	2	5	2	5
Pancreatic duct (157.3)	7	2	5	2	6	-	-	-	-
Islets of Langerhans (157.4)	100	54	46	51	39	3	7	3	7
Other (157.8)	2	2	-	2	-	-	-	-	-
Part unspecified (157.9)	22,852	11,306	11,647	9,819	10,091	1,466	1,656	1,308	1,397
<b>Malignant neoplasms of retroperitoneum and peritoneum (158)</b>	505	252	253	218	232	34	21	31	20
Retroperitoneum (158.0)	321	172	149	148	135	24	14	22	13
Specified parts of peritoneum (158.8)	28	11	17	10	17	1	-	1	-
Peritoneum, unspecified (158.9)	188	69	67	60	80	9	7	8	7
<b>Malignant neoplasms of other and ill-defined sites within the digestive organs and peritoneum (159)</b>	1,719	782	937	707	888	75	69	68	66
Intestinal tract, part unspecified (159.0)	1,188	527	661	490	619	37	42	32	41
Spleen, not elsewhere classified (159.1)	16	6	10	8	9	-	1	-	1
Other (159.8)	3	1	2	1	2	-	-	-	-
Ill-defined (159.9)	512	248	264	210	238	38	26	36	26
<b>Malignant neoplasms of respiratory and intrathoracic organs (160-165)</b>	136,253	91,873	46,360	80,166	41,775	11,707	4,605	10,784	4,154
<b>Malignant neoplasms of nasal cavities, middle ear, and accessory sinuses (160)</b>	478	290	188	236	167	54	21	47	19
Nasal cavities (160.0)	39	25	14	22	14	3	-	2	-
Auditory tube, middle ear, and mastoid air cells (160.1)	10	5	5	5	5	-	-	-	-
Maxillary sinus (160.2)	230	144	86	109	76	35	10	31	9
Ethmoidal sinus (160.3)	95	17	18	14	17	3	1	2	-
Frontal sinus (160.4)	11	5	6	4	5	1	1	1	1
Sphenoidal sinus (160.5)	10	5	5	5	4	-	1	-	1
Other (160.8)	143	89	-	-	-	-	-	-	-
Accessory sinus, unspecified (160.9)	143	89	54	77	46	12	8	11	8
<b>Malignant neoplasm of larynx (161)</b>	3,667	2,965	702	2,370	605	595	97	571	83
Glottis (161.0)	75	66	9	48	7	18	2	17	2
Supraglottis (161.1)	147	115	32	103	27	12	5	12	5
Subglottis (161.2)	13	7	6	6	5	1	1	1	1
Laryngeal cartilages (161.3)	3	2	1	1	1	-	-	-	-
Other (161.8)	-	-	-	-	-	-	-	-	-
Larynx, unspecified (161.9)	3,429	2,776	654	2,212	565	563	89	540	85
<b>Malignant neoplasms of trachea, bronchus, and lung (162)</b>	133,284	88,059	45,225	77,063	40,763	10,996	4,462	10,112	4,019
Trachea (162.0)	144	90	54	76	47	14	7	12	7
Main bronchus (162.2)	103	70	33	62	29	8	4	8	2
Upper lobe, bronchus or lung (162.3)	1,088	730	338	631	297	99	41	87	34
Middle lobe, bronchus or lung (162.4)	62	46	16	34	14	12	2	10	1
Lower lobe, bronchus or lung (162.5)	397	265	122	238	109	27	13	24	11
Other (162.8)	5	5	-	5	-	-	-	-	-
Bronchus and lung, unspecified (162.9)	131,515	86,853	44,662	76,017	40,267	10,836	4,395	9,971	3,864
<b>Malignant neoplasm of pleura (163)</b>	400	309	91	291	86	18	5	15	5
Parietal (163.0)	3	3	-	3	-	-	-	-	-
Visceral (163.1)	1	1	-	-	-	1	-	1	-
Other (163.8)	1	-	1	-	-	-	-	-	-
Pleura, unspecified (163.9)	395	305	90	288	85	17	5	14	5
<b>Malignant neoplasms of thymus, heart, and mediastinum (164)</b>	415	243	172	201	153	42	19	36	17
Thymus (164.0)	136	74	61	59	53	15	8	13	6
Heart (164.1)	75	45	30	37	23	8	7	8	7
Anterior mediastinum (164.2)	4	2	2	1	2	1	-	1	-
Posterior mediastinum (164.3)	2	2	-	2	-	-	-	-	-
Other (164.8)	1	1	-	1	-	-	-	-	-
Mediastinum, part unspecified (164.9)	198	119	79	101	75	18	4	16	4
<b>Malignant neoplasms of other and ill-defined sites within the respiratory system and intrathoracic organs (165)</b>	9	7	2	5	1	2	1	1	1
Upper respiratory tract, part unspecified (165.0)	2	1	1	1	1	-	-	-	-
Other (165.8)	-	-	-	-	-	-	-	-	-
Ill-defined sites within the respiratory system (165.9)	7	6	1	4	-	2	1	1	1



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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Malignant neoplasms of bone, connective tissue, skin, and breast (170-175)	54,566	7,391	47,175	6,886	41,924	505	5,251	454	4,834
Malignant neoplasms of bone and articular cartilage (170)	1,059	598	461	515	394	83	67	73	58
Bones of skull and face (170.0)	70	38	32	32	28	6	4	6	3
Lower jaw bone (170.1)	95	48	47	40	38	8	9	8	8
Vertebral column, excluding sacrum and coccyx (170.2)	88	48	40	40	34	8	6	7	4
Ribs, sternum, and clavicle (170.3)	16	8	8	8	8	-	-	-	-
Long bones of upper limb and scapula (170.4)	18	11	7	11	6	-	1	-	-
Upper limb, short bones (170.5)	-	-	-	-	-	-	-	-	-
Pelvic bones, sacrum and coccyx (170.6)	63	29	34	27	30	2	4	2	4
Lower limb, long bones (170.7)	77	46	31	38	24	10	7	8	7
Lower limb, short bones (170.8)	6	4	2	4	1	-	1	-	1
Site unspecified (170.9)	626	366	260	317	225	49	35	42	31
Malignant neoplasms of connective and other soft tissue (171)	2,966	1,480	1,486	1,327	1,266	153	220	130	201
Head, face, and neck (171.0)	65	39	28	34	24	5	2	4	2
Upper limb, including shoulder (171.2)	38	25	13	22	13	3	-	1	-
Lower limb, including hip (171.3)	212	105	107	88	86	17	11	14	11
Thorax (171.4)	71	38	33	36	31	2	2	2	2
Abdomen (171.5)	180	90	90	80	79	10	11	9	11
Pelvis (171.6)	103	39	64	34	58	5	6	4	5
Trunk, unspecified (171.7)	14	9	5	8	3	1	2	1	1
Other (171.8)	1	1	-	-	-	1	-	-	-
Site unspecified (171.9)	2,282	1,134	1,148	1,025	962	109	186	85	168
Malignant melanoma of skin (172)	5,979	3,585	2,394	3,535	2,342	50	52	41	47
Lip (172.0)	3	1	2	1	2	-	-	-	-
Eyelid, including canthus (172.1)	-	-	-	-	-	-	-	-	-
Ear and external auricular canal (172.2)	16	15	1	15	1	-	-	-	-
Other and unspecified parts of face (172.3)	74	44	30	44	30	-	-	-	-
Scalp and neck (172.4)	88	40	49	49	19	-	-	-	-
Trunk, except scrotum (172.5)	215	146	69	146	68	-	1	-	-
Upper limb, including shoulder (172.6)	85	56	39	56	39	-	-	-	-
Lower limb, including hip (172.7)	158	82	96	57	90	5	6	5	6
Other (172.8)	1	1	-	1	-	-	-	-	-
Site unspecified (172.9)	5,349	3,211	2,138	3,166	2,093	45	45	36	41
Other malignant neoplasms of skin (173)	2,101	1,439	662	1,280	595	159	67	152	61
Skin of lip (173.0)	13	8	5	8	5	-	-	-	-
Eyelid, including canthus (173.1)	6	3	3	3	3	-	-	-	-
Ear and external auricular canal (173.2)	106	69	37	67	36	2	1	2	2
Skin of other and unspecified parts of face (173.3)	236	142	94	139	91	3	3	2	2
Scalp and skin of neck (173.4)	1,049	788	261	662	222	126	39	123	37
Skin of trunk, except scrotum (173.5)	71	40	31	38	26	4	5	4	5
Skin of upper limb, including shoulder (173.6)	40	20	20	19	19	1	1	1	1
Skin of lower limb, including hip (173.7)	50	20	30	20	25	-	5	-	5
Other (173.8)	1	1	-	1	-	-	-	-	-
Site unspecified (173.9)	529	348	181	325	168	23	13	20	11
Malignant neoplasm of female breast (174)	42,172	...	42,172	...	37,327	...	4,845	...	4,467
Nipple and areola (174.0)	14	...	14	...	12	...	2	...	2
Central portion (174.1)	-	...	-	...	-	...	-	...	-
Upper-inner quadrant (174.2)	1	...	1	...	1	...	-	...	-
Lower-inner quadrant (174.3)	-	...	-	...	-	...	-	...	-
Upper-outer quadrant (174.4)	-	...	-	...	-	...	-	...	-
Lower-outer quadrant (174.5)	2	...	2	...	2	...	-	...	-
Axillary tail (174.6)	1	...	1	...	1	...	-	...	-
Other (174.8)	1	...	1	...	1	...	-	...	-
Breast, unspecified (174.9)	42,153	...	42,153	...	37,311	...	4,842	...	4,464
Malignant neoplasm of male breast (175)	289	289	...	229	...	60	...	58	...
Malignant neoplasms of genitourinary organs (179-188)	72,827	41,949	30,878	36,060	26,854	5,889	4,024	5,543	3,623
Malignant neoplasm of uterus, part unspecified (179)	2,772	...	2,772	...	2,271	...	501	...	471
Malignant neoplasm of cervix uteri (180)	4,443	...	4,443	...	3,343	...	1,100	...	974
Endocervix (180.0)	55	...	55	...	46	...	9	...	8
Exocervix (180.1)	-	...	-	...	-	...	-	...	-
Other (180.8)	5	...	5	...	3	...	2	...	2
Cervix uteri, unspecified (180.9)	4,383	...	4,383	...	3,294	...	1,089	...	964
Malignant neoplasm of placenta (181)	22	...	22	...	11	...	11	...	8
Malignant neoplasm of body of uterus (182)	3,120	...	3,120	...	2,685	...	435	...	408
Corpus uteri, except isthmus (182.0)	3,120	...	3,120	...	2,685	...	435	...	408
Isthmus (182.1)	-	...	-	...	-	...	-	...	-
Other (182.8)	-	...	-	...	-	...	-	...	-
Malignant neoplasms of ovary and other uterine adnexa (183)	12,397	...	12,397	...	11,283	...	1,104	...	953
Ovary (183.0)	12,214	...	12,214	...	11,129	...	1,085	...	938
Fallopian tube (183.2)	166	...	166	...	153	...	13	...	10
Broad ligament (183.3)	1	...	1	...	-	...	1	...	1
Parametrium (183.4)	-	...	-	...	-	...	-	...	-
Round ligament (183.5)	-	...	-	...	-	...	-	...	-
Other (183.8)	12	...	12	...	8	...	4	...	3
Uterine adnexa, unspecified (183.9)	4	...	4	...	3	...	1	...	1
Malignant neoplasms of other and unspecified female genital organs (184)	1,039	...	1,039	...	917	...	122	...	118
Vagina (184.0)	393	...	383	...	324	...	59	...	58
Labia majora (184.1)	13	...	13	...	11	...	2	...	2
Labia minora (184.2)	1	...	1	...	1	...	-	...	-
Clitoris (184.3)	3	...	3	...	3	...	-	...	-
Vulva, unspecified (184.4)	590	...	560	...	512	...	48	...	46
Other (184.8)	31	...	31	...	27	...	4	...	4
Site unspecified (184.9)	48	...	48	...	39	...	9	...	8
Malignant neoplasm of prostate (185)	28,982	28,982	...	24,176	...	4,806	...	4,582	...

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Malignant neoplasms of bone, connective tissue, skin, and breast (170-175) .....	22.2	6.2	37.4	6.8	39.6	2.8	28.1	3.2	30.4
Malignant neoplasms of bone and articular cartilage (170) .....	.4	.5	.4	.5	.4	.5	.3	.5	.4
Bones of skull and face (170.0) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lower jaw bones (170.1) .....	.0	.0	.0	.0	.0	.0	.0	.1	.1
Vertebral column, excluding sacrum and coccyx (170.2) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ribs, sternum, and clavicle (170.3) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Long bones of upper limb and scapula (170.4) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Upper limb, short bones (170.5) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Pelvic bones, sacrum and coccyx (170.6) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lower limb, long bones (170.7) .....	.0	.0	.0	.0	.0	.1	.0	.1	.0
Lower limb, short bones (170.8) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Site unspecified (170.9) .....	.3	.3	.2	.3	.2	.3	.2	.3	.2
Malignant neoplasms of connective and other soft tissue (171) .....	1.2	1.2	1.2	1.3	1.2	.8	1.1	.9	1.3
Head, face, and neck (171.0) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Upper limb, including shoulder (171.2) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lower limb, including hip (171.3) .....	.1	.1	.1	.1	.1	.1	.1	.1	.1
Thorax (171.4) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Abdomen (171.5) .....	.1	.1	.1	.1	.1	.1	.1	.1	.1
Pelvis (171.6) .....	.0	.0	.1	.0	.1	.0	.0	.0	.0
Trunk, unspecified (171.7) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (171.8) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Site unspecified (171.9) .....	.9	.9	.9	1.0	.9	.6	.9	.7	1.1
Malignant melanoma of skin (172) .....	2.4	3.0	1.9	3.5	2.2	.3	.3	.3	.3
Lip (172.0) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Eyelid, including canthus (172.1) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ear and external auricular canal (172.2) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other and unspecified parts of face (172.3) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Scalp and neck (172.4) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Trunk, except scrotum (172.5) .....	.1	.1	.1	.1	.1	.0	.0	.0	.0
Upper limb, including shoulder (172.6) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lower limb, including hip (172.7) .....	.1	.1	.1	.1	.1	.0	.0	.0	.0
Other (172.8) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Site unspecified (172.9) .....	2.2	2.7	1.7	3.1	2.0	.2	.2	.3	.3
Other malignant neoplasms of skin (173) .....	.9	1.2	.5	1.3	.6	.9	.3	1.1	.4
Skin of lip (173.0) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Eyelid, including canthus (173.1) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ear and external auricular canal (173.2) .....	.0	.1	.0	.1	.0	.0	.0	.0	.0
Skin of other and unspecified parts of face (173.3) .....	.1	.1	.1	.1	.1	.0	.0	.0	.0
Scalp and skin of neck (173.4) .....	.4	.7	.2	.7	.2	.7	.2	.9	.2
Skin of trunk, except scrotum (173.5) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Skin of upper limb, including shoulder (173.6) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Skin of lower limb, including hip (173.7) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (173.8) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Site unspecified (173.9) .....	.2	.3	.1	.3	.2	.1	.1	.1	.1
Malignant neoplasm of female breast (174) .....	17.2	...	33.6	...	35.2	...	24.1	...	28.1
Nipple and areola (174.0) .....	.0	...	.0	...	.0	...	.0	...	.0
Central portion (174.1) .....	.0	...	.0	...	.0	...	.0	...	.0
Upper-inner quadrant (174.2) .....	.0	...	.0	...	.0	...	.0	...	.0
Lower-inner quadrant (174.3) .....	.0	...	.0	...	.0	...	.0	...	.0
Upper-outer quadrant (174.4) .....	.0	...	.0	...	.0	...	.0	...	.0
Lower-outer quadrant (174.5) .....	.0	...	.0	...	.0	...	.0	...	.0
Axillary tail (174.6) .....	.0	...	.0	...	.0	...	.0	...	.0
Other (174.8) .....	.0	...	.0	...	.0	...	.0	...	.0
Breast, unspecified (174.9) .....	17.1	...	33.4	...	35.2	...	24.1	...	28.1
Malignant neoplasm of male breast (175) .....	.1	.2	...	.2	...	.3	...	.4	...
Malignant neoplasms of genitourinary organs (179-189) .....	29.6	35.0	24.5	35.6	25.3	32.1	20.0	38.7	22.8
Malignant neoplasm of uterus, part unspecified (179) .....	1.1	...	2.2	...	2.1	...	2.5	...	3.0
Malignant neoplasm of cervix uteri (180) .....	1.8	...	3.5	...	3.2	...	5.5	...	6.1
Endocervix (180.0) .....	.0	...	.0	...	.0	...	.0	...	.1
Exocervix (180.1) .....	.0	...	.0	...	.0	...	.0	...	.0
Other (180.6) .....	.0	...	.0	...	.0	...	.0	...	.0
Cervix uteri, unspecified (180.9) .....	1.8	...	3.5	...	3.1	...	5.4	...	6.1
Malignant neoplasm of placenta (181) .....	.0	...	.0	...	.0	...	.1	...	.1
Malignant neoplasm of body of uterus (182) .....	1.3	...	2.5	...	2.5	...	2.2	...	2.6
Corpus uteri, except isthmus (182.0) .....	1.3	...	2.5	...	2.5	...	2.2	...	2.6
Isthmus (182.1) .....	.0	...	.0	...	.0	...	.0	...	.0
Other (182.8) .....	.0	...	.0	...	.0	...	.0	...	.0
Malignant neoplasms of ovary and other uterine adnexa (183) .....	5.0	...	9.8	...	10.7	...	5.5	...	6.0
Ovary (183.0) .....	5.0	...	9.7	...	10.5	...	5.4	...	5.9
Fallopian tube (183.2) .....	.1	...	.1	...	.1	...	.1	...	.1
Broad ligament (183.3) .....	.0	...	.0	...	.0	...	.0	...	.0
Parametrium (183.4) .....	.0	...	.0	...	.0	...	.0	...	.0
Round ligament (183.5) .....	.0	...	.0	...	.0	...	.0	...	.0
Other (183.8) .....	.0	...	.0	...	.0	...	.0	...	.0
Uterine adnexa, unspecified (183.9) .....	.0	...	.0	...	.0	...	.0	...	.0
Malignant neoplasms of other and unspecified female genital organs (184) .....	.4	...	.8	...	.9	...	.6	...	.7
Vagina (184.0) .....	.2	...	.3	...	.3	...	.3	...	.4
Labia majora (184.1) .....	.0	...	.0	...	.0	...	.0	...	.0
Labia minora (184.2) .....	.0	...	.0	...	.0	...	.0	...	.0
Cervix (184.3) .....	.0	...	.0	...	.0	...	.0	...	.0
Vulva, unspecified (184.4) .....	.2	...	.4	...	.5	...	.2	...	.3
Other (184.8) .....	.0	...	.0	...	.0	...	.0	...	.0
Site unspecified (184.9) .....	.0	...	.0	...	.0	...	.0	...	.1
Malignant neoplasm of prostate (185) .....	11.8	24.2	...	23.8	...	26.2	...	32.0	...

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix I.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
<b>Malignant neoplasms of genitourinary organs-Con.</b>									
Malignant neoplasm of testis (186)	367	367	...	344	...	23	...	17	...
Undescended (186.0)	1	1	...	1	...	-	...	-	...
Other and unspecified (186.9)	366	366	...	343	...	23	...	17	...
Malignant neoplasms of penis and other male genital organs (187)	211	211	...	174	...	37	...	32	...
Prepuce (187.1)	1	1	...	-	...	1	...	1	...
Glans penis (187.2)	-	-	...	-	...	-	...	-	...
Body of penis (187.3)	-	-	...	-	...	-	...	-	...
Penis, part unspecified (187.4)	177	177	...	147	...	30	...	26	...
Epididymis (187.5)	1	1	...	1	...	-	...	-	...
Spermatic cord (187.6)	5	5	...	5	...	-	...	-	...
Scrotum (187.7)	7	7	...	6	...	1	...	-	...
Other (187.8)	4	4	...	3	...	1	...	1	...
Site unspecified (187.9)	16	16	...	12	...	4	...	4	...
Malignant neoplasm of bladder (188)	9,805	6,534	3,271	6,077	2,874	457	397	411	371
Trigone (188.0)	-	-	-	-	-	-	-	-	-
Dome (188.1)	-	-	-	-	-	-	-	-	-
Lateral wall (188.2)	-	-	-	-	-	-	-	-	-
Anterior wall (188.3)	1	1	-	1	-	-	-	-	-
Posterior wall (188.4)	-	-	-	-	-	-	-	-	-
Bladder neck (188.5)	6	4	2	4	2	-	-	-	-
Ureteric orifice (188.6)	-	-	-	-	-	-	-	-	-
Urachus (188.7)	10	3	7	3	7	-	-	-	-
Other (188.8)	-	-	-	-	-	-	-	-	-
Part unspecified (188.9)	9,788	6,528	3,262	6,069	2,865	457	397	411	371
Malignant neoplasms of kidney and other and unspecified urinary organs (189)	9,669	5,855	3,814	5,289	3,480	586	354	601	319
Kidney, except pelvis (189.0)	9,056	5,634	3,522	4,995	3,203	539	319	460	266
Renal pelvis (189.1)	147	81	66	74	62	7	4	5	4
Ureter (189.2)	283	162	121	153	118	9	5	5	4
Urethra (189.3)	140	58	82	47	60	11	22	11	21
Paraurethral glands (189.4)	2	-	2	-	1	-	1	-	1
Other (189.8)	-	-	-	-	-	-	-	-	-
Site unspecified (189.9)	41	20	21	20	18	-	3	-	3
Malignant neoplasms of other and unspecified sites (190-199)	49,025	25,711	23,314	22,662	20,594	3,049	2,720	2,748	2,423
Malignant neoplasm of eye (190)	257	123	134	116	129	7	5	6	5
Eyeball, except conjunctiva, cornea, retina, and choroid (190.0)	5	3	2	3	2	-	-	-	-
Orbit (190.1)	44	29	21	23	20	-	1	-	1
Lacrimal gland (190.2)	6	3	3	2	3	1	-	1	-
Conjunctiva (190.3)	3	3	-	3	-	-	-	-	-
Cornea (190.4)	-	-	-	-	-	-	-	-	-
Retina (190.5)	28	11	17	8	15	3	2	3	2
Choroid (190.6)	9	7	2	7	2	-	-	-	-
Lacrimal duct (190.7)	1	-	1	-	1	-	-	-	-
Other (190.8)	-	-	-	-	-	-	-	-	-
Part unspecified (190.9)	161	73	88	70	88	3	2	2	2
Malignant neoplasm of brain (191)	10,646	5,930	4,716	5,530	4,368	400	348	345	295
Cerebrum, except lobes and ventricles (191.0)	410	222	188	189	171	23	17	22	16
Frontal lobe (191.1)	213	110	103	105	97	4	6	1	6
Temporal lobe (191.2)	170	111	59	105	58	6	3	5	2
Parietal lobe (191.3)	161	97	64	92	61	5	3	5	2
Occipital lobe (191.4)	28	18	10	17	9	1	1	-	-
Ventricle (191.5)	23	13	10	12	10	1	-	-	-
Cerebellum (191.6)	213	123	90	105	73	18	17	13	16
Brain stem (191.7)	186	119	77	99	66	20	11	16	8
Other (191.8)	109	57	52	54	47	3	5	2	4
Brain, unspecified (191.9)	9,123	5,060	4,063	4,741	3,778	319	285	279	240
Malignant neoplasms of other and unspecified parts of nervous system (192)	297	146	151	129	134	17	17	13	16
Cranial nerves (192.0)	12	4	8	4	7	-	1	-	1
Cerebral meninges (192.1)	130	52	78	44	71	8	7	6	7
Spinal cord (192.2)	81	48	33	41	28	7	5	5	5
Spinal meninges (192.3)	1	-	1	-	-	-	1	-	1
Other (192.8)	-	-	-	-	-	-	-	-	-
Part unspecified (192.9)	73	42	31	40	28	2	3	2	2
Malignant neoplasm of thyroid gland (193)	983	379	604	350	526	29	78	25	57
Malignant neoplasms of other endocrine glands and related structures (194)	684	373	311	321	261	52	50	43	43
Suprarenal gland (194.0)	547	301	246	259	205	42	41	34	35
Parathyroid gland (194.1)	14	6	8	5	7	1	1	1	1
Pituitary gland and craniopharyngeal duct (194.3)	38	19	19	17	16	2	3	2	3
Pineal gland (194.4)	24	14	10	11	8	3	2	2	1
Carotid body (194.5)	4	1	3	-	3	1	-	1	-
Aortic body and other paraganglia (194.6)	16	8	8	8	7	-	1	-	1
Other (194.8)	1	-	1	-	1	-	-	-	-
Site unspecified (194.9)	40	24	16	21	14	3	2	3	2
Malignant neoplasms of other and ill-defined sites (195)	3,131	1,638	1,495	1,401	1,285	235	210	220	166
Head, face, and neck (195.0)	1,453	1,011	442	841	375	170	67	163	62
Thorax (195.1)	209	150	59	143	55	7	4	6	4
Abdomen (195.2)	1,082	379	713	329	618	50	95	44	90
Pelvis (195.3)	282	44	238	42	200	2	38	2	34
Upper limb (195.4)	17	13	4	13	4	-	-	-	-
Lower limb (195.5)	34	16	18	14	15	2	3	1	3
Other specified sites (195.8)	44	23	21	19	18	4	3	4	3
Malignant neoplasms without specification of site (199)	33,027	17,124	15,903	14,815	13,891	2,309	2,012	2,098	1,811
Disseminated (199.0)	2,361	1,120	936	836	1,057	184	184	174	169
Other (199.1)	30,666	16,004	14,682	13,879	12,834	2,125	1,828	1,922	1,642

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
					Male	Female	Male	Female	
<b>Malignant neoplasms of genitourinary organs-Con.</b>									
Malignant neoplasm of testis (186) .....	0.1	0.3	...	0.3	...	0.1	...	0.1	...
Undescended (186.0) .....	.0	.0	...	.0	...	...	...	...	...
Other and unspecified (186.9) .....	.1	.3	...	.3	...	.1	...	.1	...
<b>Malignant neoplasms of penis and other male genital organs (187)</b>									
Prepuce (187.1) .....	.1	.2	...	.2	...	.2	...	.2	...
Gland penis (187.2) .....	...	...	...	...	...	...	...	...	...
Body of penis (187.3) .....	...	...	...	...	...	...	...	...	...
Penis, part unspecified (187.4) .....	.1	.1	...	.1	...	.2	...	.2	...
Epididymis (187.5) .....	.0	.0	...	.0	...	...	...	...	...
Spermatic cord (187.6) .....	.0	.0	...	.0	...	...	...	...	...
Scrotum (187.7) .....	.0	.0	...	.0	...	.0	...	.0	...
Other (187.8) .....	.0	.0	...	.0	...	.0	...	.0	...
Site unspecified (187.9) .....	.0	.0	...	.0	...	.0	...	.0	...
<b>Malignant neoplasm of bladder (188)</b>									
Trigona (188.0) .....	4.0	5.5	2.8	6.0	2.7	2.5	2.0	2.9	2.3
Dome (188.1) .....	...	...	...	...	...	...	...	...	...
Lateral wall (188.2) .....	...	...	...	...	...	...	...	...	...
Anterior wall (188.3) .....	.0	.0	...	.0	...	...	...	...	...
Posterior wall (188.4) .....	...	...	...	...	...	...	...	...	...
Bladder neck (188.5) .....	.0	.0	.0	.0	.0	...	...	...	...
Ureteric orifice (188.6) .....	...	...	...	...	...	...	...	...	...
Urachus (188.7) .....	.0	.0	.0	.0	.0	...	...	...	...
Other (188.8) .....	...	...	...	...	...	...	...	...	...
Part unspecified (188.9) .....	4.0	5.5	2.6	6.0	2.7	2.5	2.0	2.9	2.3
<b>Malignant neoplasms of kidney and other and unspecified urinary organs (189)</b>									
Kidney, except pelvis (189.0) .....	3.9	4.9	3.0	5.2	3.3	3.1	1.8	3.5	2.0
Renal pelvis (189.1) .....	3.7	4.6	2.8	4.9	3.0	2.9	1.6	3.4	1.8
Ureter (189.2) .....	.1	.1	.1	.1	.1	.0	.0	.0	.0
Urethra (189.3) .....	.1	.0	.1	.0	.1	.1	.1	.1	.1
Parathyroid glands (189.4) .....	.0	...	...	...	...	...	...	...	...
Other (189.8) .....	.0	...	...	...	...	...	...	...	...
Site unspecified (189.9) .....	.0	.0	.0	.0	.0	...	...	...	...
<b>Malignant neoplasms of other and unspecified sites (190-199)</b>									
Malignant neoplasm of eye (190) .....	19.9	21.5	18.5	22.4	18.4	16.6	13.5	19.2	15.3
Eyeball, except conjunctiva, cornea, retina, and choroid (190.0) .....	.1	.1	.1	.1	.1	.0	.0	.0	.0
Orbit (190.1) .....	.0	.0	.0	.0	.0	...	...	...	...
Lacrimal gland (190.2) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Conjunctiva (190.3) .....	.0	.0	...	...	...	...	...	...	...
Cornea (190.4) .....	...	...	...	...	...	...	...	...	...
Retina (190.5) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Choroid (190.6) .....	.0	.0	.0	.0	.0	...	...	...	...
Lacrimal duct (190.7) .....	.0	...	...	...	...	...	...	...	...
Other (190.8) .....	...	...	...	...	...	...	...	...	...
Part unspecified (190.9) .....	.1	.1	.1	.1	.1	.0	.0	.0	.0
<b>Malignant neoplasm of brain (191)</b>									
Cerebrum, except lobes and ventricles (191.0) .....	4.3	5.0	3.7	5.5	4.1	2.2	1.7	2.4	1.9
Frontal lobe (191.1) .....	.2	.2	.1	.2	.2	.1	.1	.2	.1
Temporal lobe (191.2) .....	.1	.1	.1	.1	.1	.0	.0	.0	.0
Parietal lobe (191.3) .....	.1	.1	.1	.1	.1	.0	.0	.0	.0
Occipital lobe (191.4) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ventricle (191.5) .....	.0	.0	.0	.0	.0	...	...	...	...
Cerebellum (191.6) .....	.1	.1	.1	.1	.1	.1	.1	.1	.1
Brain stem (191.7) .....	.1	.1	.1	.1	.1	.1	.1	.1	.1
Other (191.8) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Brain, unspecified (191.9) .....	3.7	4.2	3.2	4.7	3.6	1.7	1.4	1.9	1.5
<b>Malignant neoplasms of other and unspecified parts of nervous system (192)</b>									
Cranial nerves (192.0) .....	.1	.1	.1	.1	.1	.1	.1	.1	.1
Cerebral meninges (192.1) .....	.0	.0	.0	.0	.0	...	...	...	...
Spinal cord (192.2) .....	.1	.0	.1	.0	.1	.0	.0	.0	.0
Spinal meninges (192.3) .....	.0	.0	.0	...	...	...	...	...	...
Other (192.8) .....	...	...	...	...	...	...	...	...	...
Part unspecified (192.9) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
<b>Malignant neoplasm of thyroid gland (193)</b>									
Malignant neoplasm of thyroid gland (193) .....	.4	.3	.5	.3	.5	.2	.4	.2	.4
<b>Malignant neoplasms of other endocrine glands and related structures (194)</b>									
Suprarenal gland (194.0) .....	.3	.3	.2	.3	.2	.3	.2	.3	.3
Parathyroid gland (194.1) .....	.2	.3	.2	.3	.2	.2	.2	.2	.2
Pituitary gland and cranio-pharyngeal duct (194.3) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Pineal gland (194.4) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Carotid body (194.5) .....	.0	.0	.0	...	...	...	...	...	...
Aortic body and other paraganglia (194.6) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (194.8) .....	.0	...	...	...	...	...	...	...	...
Site unspecified (194.9) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
<b>Malignant neoplasms of other and ill-defined sites (195)</b>									
Head, face, and neck (195.0) .....	1.3	1.4	1.2	1.4	1.2	1.3	1.0	1.5	1.2
Thorax (195.1) .....	.6	.6	.4	.8	.4	.9	.3	1.1	.4
Abdomen (195.2) .....	.1	.1	.0	.1	.1	.0	.0	.0	.0
Pelvis (195.3) .....	.4	.3	.6	.3	.6	.3	.5	.3	.6
Upper limb (195.4) .....	.1	.0	.2	.0	.2	.0	.2	.0	.2
Lower limb (195.5) .....	.0	.0	.0	.0	.0	...	...	...	...
Other specified sites (195.6) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
<b>Malignant neoplasms without specification of site (199)</b>									
Disseminated (199.0) .....	13.4	14.3	12.6	14.6	13.1	12.6	10.0	14.8	11.4
Other (199.1) .....	1.0	.9	1.0	.9	1.0	1.0	.9	1.2	1.1
Other (199.1) .....	12.5	13.4	11.6	13.7	12.1	11.6	9.1	13.4	10.3



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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[ Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix ]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Malignant neoplasms of lymphatic and hematopoietic tissues (200-208)	44,762	23,792	20,970	21,375	18,822	2,417	2,148	2,121	1,901
Lymphosarcoma and reticulosarcoma (200)	2,465	1,301	1,164	1,179	1,099	122	65	103	52
Reticulosarcoma (200.0)	880	438	444	405	419	31	25	26	19
Lymphosarcoma (200.1)	1,046	560	486	506	463	54	23	49	19
Burkitt's tumor (200.2)	161	108	45	93	41	13	4	9	2
Other named variants (200.8)	388	199	189	175	176	24	13	19	12
Hodgkin's disease (201)	1,608	945	663	851	594	94	69	84	66
Hodgkin's paraneoplasia (201.0)	-	-	-	-	-	-	-	-	-
Hodgkin's granuloma (201.1)	-	-	-	-	-	-	-	-	-
Hodgkin's sarcoma (201.2)	-	-	-	-	-	-	-	-	-
Lymphocytic-histiocytic predominance (201.4)	-	-	-	-	-	-	-	-	-
Nodular sclerosis (201.5)	19	8	11	7	11	1	-	1	-
Mixed cellularity (201.6)	11	6	5	6	5	-	-	-	-
Lymphocytic depletion (201.7)	9	6	3	5	3	1	-	1	-
Unspecified (201.9)	1,569	925	644	833	575	92	69	82	66
Other malignant neoplasms of lymphoid and histiocytic tissue (202)	14,794	7,981	7,203	6,988	6,730	593	473	497	395
Nodular lymphoma (202.0)	218	82	128	85	124	7	2	4	1
Mycosis fungoides (202.1)	145	88	57	70	39	18	18	17	18
Sezary's disease (202.2)	6	3	3	2	3	1	-	1	-
Malignant histiocytosis (202.3)	38	27	11	22	9	5	2	5	2
Leukemic reticuloendotheliosis (202.4)	116	88	28	81	27	7	1	7	1
Letterer-Siwe disease (202.5)	1	-	1	-	1	-	-	-	-
Malignant mast-cell tumor (202.6)	-	-	-	-	-	-	-	-	-
Other lymphomas (202.8)	14,213	7,261	6,952	6,707	6,506	554	448	462	371
Other and unspecified (202.9)	57	32	25	31	21	1	4	1	2
Multiple myeloma and immunoproliferative neoplasms (203)	8,318	4,231	4,087	3,562	3,330	669	757	631	716
Multiple myeloma (203.0)	8,244	4,197	4,047	3,538	3,295	659	752	621	711
Plasma cell leukemia (203.1)	48	19	29	11	25	8	4	8	4
Other immunoproliferative neoplasms (203.8)	26	15	11	13	10	2	1	2	1
Lymphoid leukemia (204)	5,015	2,906	2,109	2,611	1,802	295	207	264	165
Acute (204.0)	1,382	787	575	687	495	100	80	80	64
Chronic (204.1)	3,302	1,929	1,373	1,745	1,257	184	118	175	111
Subacute (204.2)	1	1	-	1	-	-	-	-	-
Other (204.8)	5	4	1	4	1	-	-	-	-
Unspecified (204.9)	345	185	160	174	149	11	11	9	10
Myeloid leukemia (205)	7,154	3,849	3,305	3,488	2,958	361	347	300	286
Acute (205.0)	4,703	2,462	2,221	2,274	1,998	208	223	170	183
Chronic (205.1)	2,168	1,221	947	1,065	834	188	113	114	95
Subacute (205.2)	18	7	11	7	11	-	-	-	-
Myeloid sarcoma (205.3)	18	11	7	11	7	-	-	-	-
Other (205.8)	2	2	-	1	-	1	-	1	-
Unspecified (205.9)	245	126	119	110	108	18	11	15	8
Monocytic leukemia (206)	266	135	131	125	119	10	12	7	8
Acute (206.0)	219	113	108	105	98	8	10	6	6
Chronic (206.1)	18	8	10	8	8	-	2	-	2
Subacute (206.2)	-	-	-	-	-	-	-	-	-
Other (206.8)	-	-	-	-	-	-	-	-	-
Unspecified (206.9)	29	14	15	12	15	2	-	1	-
Other specified leukemia (207)	246	142	104	123	88	19	18	15	15
Acute erythremia and erythroleukemia (207.0)	121	71	50	61	45	10	5	8	4
Chronic erythremia (207.1)	-	-	-	-	-	-	-	-	-
Megakaryocytic leukemia (207.2)	47	24	23	19	17	5	6	4	6
Other (207.8)	78	47	31	43	26	4	5	3	5
Leukemia of unspecified cell type (208)	4,686	2,632	2,204	2,438	2,002	254	202	220	178
Acute (208.0)	2,828	1,515	1,313	1,377	1,200	138	113	121	98
Chronic (208.1)	189	102	87	93	81	9	6	7	5
Subacute (208.2)	9	5	4	5	4	-	-	-	-
Other (208.8)	35	18	17	18	16	-	1	-	1
Unspecified (208.9)	1,825	1,052	773	945	691	107	82	92	74
Benign neoplasms (210-228)	1,482	541	941	445	773	96	168	86	156
Benign neoplasms of lip, oral cavity, and pharynx (210)	3	1	2	1	2	-	-	-	-
Lip (210.0)	-	-	-	-	-	-	-	-	-
Tongue (210.1)	-	-	-	-	-	-	-	-	-
Major salivary glands (210.2)	-	-	-	-	-	-	-	-	-
Floor of mouth (210.3)	-	-	-	-	-	-	-	-	-
Other and unspecified parts of mouth (210.4)	1	-	1	-	1	-	-	-	-
Tonsil (210.5)	-	-	-	-	-	-	-	-	-
Other parts of oropharynx (210.6)	-	-	-	-	-	-	-	-	-
Nasopharynx (210.7)	-	-	-	-	-	-	-	-	-
Hypopharynx (210.8)	-	-	-	-	-	-	-	-	-
Pharynx, unspecified (210.9)	2	1	1	1	1	-	-	-	-
Benign neoplasms of other parts of digestive system (211)	137	64	73	59	59	5	14	5	13
Esophagus (211.0)	1	1	-	1	-	-	-	-	-
Stomach (211.1)	14	7	7	7	6	-	1	-	1
Small intestine, including duodenum (211.2)	4	1	3	1	2	-	1	-	1
Colon (211.3)	65	32	33	29	27	3	6	3	6
Rectum and anal canal (211.4)	3	3	-	3	-	-	-	-	-
Liver and biliary passages (211.5)	8	1	7	-	6	1	1	1	1
Pancreas, except islets of Langerhans (211.6)	17	4	13	4	9	-	4	-	3
Islets of Langerhans (211.7)	20	13	7	12	6	1	1	1	1
Retropitoneum and peritoneum (211.8)	3	1	2	1	2	-	-	-	-
Other and unspecified site (211.9)	2	1	1	1	1	-	-	-	-
Benign neoplasms of respiratory and intrathoracic organs (212)	76	31	45	24	38	7	7	4	7
Nasal cavities, middle ear, and accessory sinuses (212.0)	1	-	1	-	1	-	-	-	-
Larynx (212.1)	2	-	2	-	1	-	1	-	1
Trachea (212.2)	2	2	-	1	-	1	-	1	-

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Malignant neoplasms of lymphatic and hematopoietic tissues (200-208)	18.2	19.9	16.6	21.1	17.8	13.2	10.7	14.8	12.0
Lymphosarcoma and reticulosarcoma (200)	1.0	1.1	.9	1.2	1.0	.7	.9	.7	.3
Reticulosarcoma (200.0)	.4	.4	.4	.4	.4	.2	.1	.2	.1
Lymphosarcoma (200.1)	.4	.5	.4	.5	.4	.3	.1	.3	.1
Burkitt's tumor (200.2)	.1	.1	.0	.1	.0	.1	.0	.1	.0
Other named variants (200.8)	.2	.2	.1	.2	.2	.1	.1	.1	.1
Hodgkin's disease (201)	.7	.8	.5	.8	.6	.5	.3	.6	.4
Hodgkin's paraneoplasia (201.0)	—	—	—	—	—	—	—	—	—
Hodgkin's granuloma (201.1)	—	—	—	—	—	—	—	—	—
Hodgkin's sarcoma (201.2)	—	—	—	—	—	—	—	—	—
Lymphocytic-histiocytic predominance (201.4)	—	—	—	—	—	—	—	—	—
Nodular sclerosis (201.5)	.0	.0	.0	.0	.0	.0	—	.0	—
Mixed cellularity (201.6)	.0	.0	.0	.0	.0	.0	—	—	—
Lymphocytic depletion (201.7)	.0	.0	.0	.0	.0	.0	—	.0	—
Unspecified (201.8)	.8	.8	.5	.8	.5	.5	.3	.6	.4
Other malignant neoplasms of lymphoid and histiocytic tissue (202)	6.0	6.3	6.7	6.9	6.3	3.2	2.4	3.5	2.5
Nodular lymphoma (202.0)	.1	.1	.1	.1	.1	.0	.0	.0	.0
Mycosis fungoides (202.1)	.1	.1	.0	.1	.0	.1	.1	.1	.1
Sezary's disease (202.2)	.0	.0	.0	.0	.0	.0	—	—	—
Malignant histiocytosis (202.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Leukemic reticuloendotheliosis (202.4)	.0	.1	.0	.1	.0	.0	—	—	—
Letterer-Siwe disease (202.5)	.0	—	—	—	.0	—	—	—	—
Malignant mast-cell tumor (202.6)	—	—	—	—	—	—	—	—	—
Other lymphomas (202.8)	5.8	6.1	5.5	6.6	6.1	3.0	2.2	3.2	2.3
Other and unspecified (202.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Multiple myeloma and immunoproliferative neoplasms (203)	3.4	3.5	3.2	3.5	3.1	3.6	3.8	4.4	4.5
Multiple myeloma (203.0)	3.4	3.5	3.2	3.5	3.1	3.6	3.7	4.3	4.5
Plasma cell leukemia (203.1)	.0	.0	.0	.0	.0	.0	.0	.1	.0
Other immunoproliferative neoplasms (203.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lymphoid leukemia (204)	2.0	2.4	1.7	2.6	1.8	1.6	1.0	1.8	1.2
Acute (204.0)	.6	.7	.5	.7	.5	.5	.4	.6	.4
Chronic (204.1)	1.3	1.6	1.1	1.7	1.2	1.0	.6	1.2	.7
Subacute (204.2)	.0	.0	—	.0	—	—	—	—	—
Other (204.8)	.0	.0	.0	.0	.0	—	—	—	—
Unspecified (204.9)	.1	.2	.1	.2	.1	.1	.1	.1	.1
Myeloid leukemia (205)	2.9	3.2	2.6	3.4	2.8	2.0	1.7	2.1	1.6
Acute (205.0)	1.9	2.1	1.8	2.2	1.9	1.1	1.1	1.2	1.2
Chronic (205.1)	.9	1.0	.8	1.1	.8	.7	.6	.8	.6
Subacute (205.2)	.0	.0	.0	.0	.0	—	—	—	—
Myeloid sarcoma (205.3)	.0	.0	.0	.0	.0	—	—	—	—
Other (205.8)	.0	.0	—	.0	—	.0	—	.0	—
Unspecified (205.9)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Monocytic leukemia (206)	.1	.1	.1	.1	.1	.1	.1	.0	.1
Acute (206.0)	.1	.1	.1	.1	.1	.0	.0	.0	.0
Chronic (206.1)	.0	.0	.0	.0	.0	—	—	—	.0
Subacute (206.2)	—	—	—	—	—	—	—	—	—
Other (206.8)	—	—	—	—	—	—	—	—	—
Unspecified (206.9)	.0	.0	.0	.0	.0	.0	—	.0	—
Other specified leukemia (207)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Acute erythremia and erythroleukemia (207.0)	.0	.1	.0	.1	.0	.1	.0	.1	.0
Chronic erythremia (207.1)	—	—	—	—	—	—	—	—	—
Megalocytic leukemia (207.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (207.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Leukemia of unspecified cell type (208)	2.0	2.2	1.7	2.4	1.9	1.4	1.0	1.6	1.1
Acute (208.0)	1.2	1.3	1.0	1.4	1.1	.8	.6	.8	.8
Chronic (208.1)	.1	.1	.1	.1	.1	.0	.0	.0	.0
Subacute (208.2)	.0	.0	.0	.0	.0	—	—	—	—
Other (208.8)	.0	.0	.0	.0	.0	—	—	—	—
Unspecified (208.9)	.7	.9	.6	.9	.7	.6	.4	.6	.5
Benign neoplasms (210-229)	.6	.5	.7	.4	.7	.5	.8	.6	1.0
Benign neoplasms of lip, oral cavity, and pharynx (210)	.0	.0	.0	.0	.0	—	—	—	—
Lip (210.0)	—	—	—	—	—	—	—	—	—
Tongue (210.1)	—	—	—	—	—	—	—	—	—
Major salivary glands (210.2)	—	—	—	—	—	—	—	—	—
Floor of mouth (210.3)	—	—	—	—	—	—	—	—	—
Other and unspecified parts of mouth (210.4)	.0	—	.0	—	.0	—	—	—	—
Tonsil (210.5)	—	—	—	—	—	—	—	—	—
Other parts of oropharynx (210.6)	—	—	—	—	—	—	—	—	—
Nasopharynx (210.7)	—	—	—	—	—	—	—	—	—
Hypopharynx (210.8)	—	—	—	—	—	—	—	—	—
Pharynx, unspecified (210.9)	.0	.0	.0	.0	.0	—	—	—	—
Benign neoplasms of other parts of digestive system (211)	.1	.1	.1	.1	.1	.0	.1	.0	.1
Esophagus (211.0)	.0	.0	.0	.0	.0	—	—	—	.0
Stomach (211.1)	.0	.0	.0	.0	.0	—	—	—	.0
Small intestine, including duodenum (211.2)	.0	.0	.0	.0	.0	—	—	—	.0
Colon (211.3)	.0	.0	.0	.0	.0	—	—	—	.0
Rectum and anal canal (211.4)	.0	.0	.0	.0	.0	—	—	—	.0
Liver and biliary passages (211.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Pancreas, except islets of Langerhans (211.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Islets of Langerhans (211.7)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Retropertoneum and peritoneum (211.8)	.0	.0	.0	.0	.0	—	—	—	—
Other and unspecified site (211.9)	.0	.0	.0	.0	.0	—	—	—	—
Benign neoplasms of respiratory and intrathoracic organs (212)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nasal cavities, middle ear, and accessory sinuses (212.0)	—	—	.0	—	.0	—	—	—	—
Larynx (212.1)	.0	—	.0	—	.0	—	—	—	.0
Trachea (212.2)	.0	.0	—	.0	—	.0	—	.0	—

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
<b>Benign neoplasms of respiratory and intrathoracic organs-Con.</b>									
Bronchus and lung (212.3)	7	3	4	2	4	1	-	-	-
Pleura (212.4)	1	1	-	-	-	1	-	-	-
Mediastinum (212.5)	4	3	1	2	-	1	1	1	1
Thymus (212.8)	17	9	8	7	6	2	2	1	2
Heart (212.7)	42	13	29	12	28	1	3	1	3
Other specified sites (212.8)	-	-	-	-	-	-	-	-	-
Site unspecified (212.9)	-	-	-	-	-	-	-	-	-
<b>Benign neoplasms of bone and articular cartilage (213)</b>	10	8	2	5	2	3	-	3	-
Bones of skull and face (213.0)	-	-	-	-	-	-	-	-	-
Lower jaw bone (213.1)	3	2	1	-	1	2	-	2	-
Vertebral column, excluding sacrum and coccyx (213.2)	1	1	-	1	-	-	-	-	-
Ribs, sternum, and clavicle (213.3)	-	-	-	-	-	-	-	-	-
Long bones of upper limb and scapula (213.4)	-	-	-	-	-	-	-	-	-
Upper limb, short bones (213.5)	-	-	-	-	-	-	-	-	-
Pelvic bones, sacrum and coccyx (213.6)	2	1	1	1	1	-	-	-	-
Lower limb, long bones (213.7)	-	-	-	-	-	-	-	-	-
Lower limb, short bones (213.8)	-	-	-	-	-	-	-	-	-
Site unspecified (213.9)	4	4	-	3	-	1	-	1	-
<b>Lipoma (214)</b>	7	3	4	3	3	-	1	-	1
<b>Other benign neoplasms of connective and other soft tissue (215)</b>	37	13	24	11	18	2	8	2	8
Head, face, and neck (215.0)	3	-	3	-	3	-	-	-	-
Upper limb, including shoulder (215.2)	-	-	-	-	-	-	-	-	-
Lower limb, including hip (215.3)	-	-	-	-	-	-	-	-	-
Thorax (215.4)	2	-	2	-	1	-	1	-	1
Abdomen (215.5)	2	2	-	1	-	1	-	1	-
Pelvis (215.6)	-	-	-	-	-	-	-	-	-
Trunk, unspecified (215.7)	-	-	-	-	-	-	-	-	-
Other specified sites (215.8)	-	-	-	-	-	-	-	-	-
Site unspecified (215.9)	30	11	18	10	14	1	5	1	6
<b>Benign neoplasms of skin (216)</b>	20	12	8	9	7	3	1	3	1
Skin of lip (216.0)	-	-	-	-	-	-	-	-	-
Eyelid, including canthus (216.1)	-	-	-	-	-	-	-	-	-
Ear and external auricular canal (216.2)	-	-	-	-	-	-	-	-	-
Skin of other and unspecified parts of face (216.3)	1	-	1	-	1	-	-	-	-
Scalp and skin of neck (216.4)	-	-	-	-	-	-	-	-	-
Skin of trunk, except scrotum (216.5)	-	-	-	-	-	-	-	-	-
Skin of upper limb, including shoulder (216.6)	-	-	-	-	-	-	-	-	-
Skin of lower limb, including hip (216.7)	4	1	3	1	3	-	-	-	-
Other (216.8)	-	-	-	-	-	-	-	-	-
Site unspecified (216.9)	15	11	4	8	3	3	1	3	1
<b>Benign neoplasm of breast (217)</b>	2	-	2	-	2	-	-	-	-
<b>Uterine leiomyoma (218)</b>	21	...	21	...	10	...	11	...	10
<b>Other benign neoplasm of uterus (219)</b>	6	...	6	...	4	...	2	...	2
Cervix uteri (219.0)	1	...	1	...	1	...	-	...	-
Corpus uteri (219.1)	-	...	-	...	-	...	-	...	-
Other specified parts (219.8)	-	...	-	...	-	...	-	...	-
Part unspecified (219.9)	5	...	5	...	3	...	2	...	2
<b>Benign neoplasm of ovary (220)</b>	18	...	18	...	17	...	1	...	1
<b>Benign neoplasms of other female genital organs (221)</b>	-	...	-	...	-	...	-	...	-
Uterine tube and ligaments (221.0)	-	...	-	...	-	...	-	...	-
Vagina (221.1)	-	...	-	...	-	...	-	...	-
Vulva (221.2)	-	...	-	...	-	...	-	...	-
Other specified sites (221.8)	-	...	-	...	-	...	-	...	-
Site unspecified (221.9)	-	...	-	...	-	...	-	...	-
<b>Benign neoplasms of male genital organs (222)</b>	1	1	...	1	...	-	...	-	...
Testis (222.0)	-	-	...	-	...	-	...	-	...
Penis (222.1)	-	-	...	-	...	-	...	-	...
Prostate (222.2)	1	1	...	1	...	-	...	-	...
Epididymis (222.3)	-	-	...	-	...	-	...	-	...
Scrotum (222.4)	-	-	...	-	...	-	...	-	...
Other specified sites (222.8)	-	-	...	-	...	-	...	-	...
Site unspecified (222.9)	-	-	...	-	...	-	...	-	...
<b>Benign neoplasms of kidney and other urinary organs (223)</b>	6	4	2	3	2	1	-	1	-
Kidney, except pelvis (223.0)	4	2	2	2	2	-	-	-	-
Renal pelvis (223.1)	1	1	-	-	-	1	-	1	-
Ureter (223.2)	-	-	-	-	-	-	-	-	-
Bladder (223.3)	1	1	-	1	-	-	-	-	-
Other specified sites (223.8)	-	-	-	-	-	-	-	-	-
Site unspecified (223.9)	-	-	-	-	-	-	-	-	-
<b>Benign neoplasm of eye (224)</b>	1	1	-	1	-	-	-	-	-
Eyeball, except conjunctiva, cornea, retina, and choroid (224.0)	1	1	-	1	-	-	-	-	-
Orbit (224.1)	-	-	-	-	-	-	-	-	-
Lacrimal gland (224.2)	-	-	-	-	-	-	-	-	-
Conjunctiva (224.3)	-	-	-	-	-	-	-	-	-
Cornea (224.4)	-	-	-	-	-	-	-	-	-
Retina (224.5)	-	-	-	-	-	-	-	-	-
Choroid (224.6)	-	-	-	-	-	-	-	-	-
Lacrimal duct (224.7)	-	-	-	-	-	-	-	-	-
Other specified parts (224.8)	-	-	-	-	-	-	-	-	-
Part unspecified (224.9)	-	-	-	-	-	-	-	-	-
<b>Benign neoplasms of brain and other parts of nervous system (225)</b>	908	293	615	249	518	44	97	39	91
Brain (225.0)	111	44	67	35	59	9	8	7	8
Cranial nerves (225.1)	44	8	36	8	33	-	3	-	3
Corobral meninges (225.2)	742	239	503	205	418	34	85	31	79
Spinal cord (225.3)	6	2	4	1	3	1	1	1	1



SECTION 1 - GENERAL MORTALITY - PAGE 118

Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
<b>Benign neoplasms of brain and other parts of nervous system—Con.</b>									
Spinal meninges (225.4) .....	3	—	3	—	3	—	—	—	—
Other (225.8) .....	—	—	—	—	—	—	—	—	—
Part unspecified (225.9) .....	2	—	2	—	2	—	—	—	—
<b>Benign neoplasm of thyroid gland (226)</b>									
.....	4	1	3	1	3	—	—	—	—
<b>Benign neoplasms of other endocrine glands and related structures (227)</b>									
Suprarenal gland (227.0) .....	130	61	69	42	53	19	16	18	14
Parathyroid gland (227.1) .....	28	9	19	8	16	1	3	1	2
Pituitary gland and craniopharyngeal duct (227.3) .....	14	4	10	3	8	1	4	1	3
Pineal gland (227.4) .....	87	47	40	30	31	17	9	18	9
Carotid body (227.5) .....	—	—	—	—	—	—	—	—	—
Aortic body and other paraganglia (227.6) .....	1	1	—	1	—	—	—	—	—
Other (227.8) .....	—	—	—	—	—	—	—	—	—
Site unspecified (227.9) .....	—	—	—	—	—	—	—	—	—
<b>Hemangioma and lymphangioma, any site (228)</b>									
.....	70	38	32	29	24	9	8	8	7
<b>Hemangioma, any site (228.0)</b>									
.....	37	18	19	15	14	3	5	3	5
<b>Lymphangioma, any site (228.1)</b>									
.....	33	20	13	14	10	6	3	5	2
<b>Benign neoplasms of other and unspecified sites (229)</b>									
Lymph nodes (229.0) .....	25	10	15	7	11	3	4	3	3
Other specified sites (229.8) .....	—	—	—	—	—	—	—	—	—
Site unspecified (229.9) .....	5	—	5	—	4	—	1	—	—
.....	20	10	10	7	7	3	3	3	3
<b>Carcinoma in situ (230-234)</b>									
.....	10	4	6	3	5	1	1	1	1
<b>Carcinoma in situ of digestive organs (230)</b>									
Lip, oral cavity, and pharynx (230.0) .....	—	—	—	—	—	—	—	—	—
Esophagus (230.1) .....	—	—	—	—	—	—	—	—	—
Stomach (230.2) .....	—	—	—	—	—	—	—	—	—
Colon (230.3) .....	—	—	—	—	—	—	—	—	—
Rectum (230.4) .....	—	—	—	—	—	—	—	—	—
Anal canal (230.5) .....	—	—	—	—	—	—	—	—	—
Anus, unspecified (230.6) .....	—	—	—	—	—	—	—	—	—
Other and unspecified parts of intestine (230.7) .....	—	—	—	—	—	—	—	—	—
Liver and biliary system (230.8) .....	—	—	—	—	—	—	—	—	—
Other and unspecified digestive organs (230.9) .....	—	—	—	—	—	—	—	—	—
<b>Carcinoma in situ of respiratory system (231)</b>									
Larynx (231.0) .....	—	—	—	—	—	—	—	—	—
Trachea (231.1) .....	—	—	—	—	—	—	—	—	—
Bronchus and lung (231.2) .....	—	—	—	—	—	—	—	—	—
Other specified parts (231.8) .....	—	—	—	—	—	—	—	—	—
Part unspecified (231.9) .....	—	—	—	—	—	—	—	—	—
<b>Carcinoma in situ of skin (232)</b>									
Skin of lip (232.0) .....	1	—	1	—	—	—	1	—	1
Eye lid, including canthus (232.1) .....	—	—	—	—	—	—	—	—	—
Ear and external auricular canal (232.2) .....	—	—	—	—	—	—	—	—	—
Skin of other and unspecified parts of face (232.3) .....	—	—	—	—	—	—	—	—	—
Scalp and skin of neck (232.4) .....	—	—	—	—	—	—	—	—	—
Skin of trunk, except scrotum (232.5) .....	—	—	—	—	—	—	—	—	—
Skin of upper limb, including shoulder (232.6) .....	—	—	—	—	—	—	—	—	—
Skin of lower limb, including hip (232.7) .....	—	—	—	—	—	—	—	—	—
Other specified sites (232.8) .....	—	—	—	—	—	—	—	—	—
Site unspecified (232.9) .....	1	—	1	—	—	—	1	—	1
<b>Carcinoma in situ of breast and genitourinary system (233)</b>									
Breast (233.0) .....	4	1	3	1	3	—	—	—	—
Cervix uteri (233.1) .....	2	...	2	...	2	...	—	...	—
Other and unspecified parts of uterus (233.2) .....	1	...	1	...	1	...	—	...	—
Other and unspecified female genital organs (233.3) .....	—	...	—	...	—	...	—	...	—
Prostate (233.4) .....	—	—	—	—	—	—	—	—	—
Penis (233.5) .....	—	—	—	—	—	—	—	—	—
Other and unspecified male genital organs (233.6) .....	—	—	—	—	—	—	—	—	—
Bladder (233.7) .....	1	1	—	1	—	—	—	—	—
Other and unspecified urinary organs (233.8) .....	—	—	—	—	—	—	—	—	—
<b>Carcinoma in situ of other and unspecified sites (234)</b>									
Eye (234.0) .....	5	3	2	2	2	1	—	1	—
Other specified sites (234.8) .....	—	—	—	—	—	—	—	—	—
Site unspecified (234.9) .....	5	3	2	2	2	1	—	1	—
<b>Neoplasms of uncertain behavior (235-238)</b>									
.....	1,538	740	798	680	712	60	86	51	75
<b>Neoplasms of uncertain behavior of digestive and respiratory systems (235)</b>									
Major salivary glands (235.0) .....	113	52	61	44	51	8	10	7	8
Lip, oral cavity, and pharynx (235.1) .....	1	—	1	—	1	—	—	—	—
Stomach, intestines, and rectum (235.2) .....	51	23	28	21	23	2	5	2	4
Liver and biliary passages (235.3) .....	13	3	10	3	9	—	—	—	—
Retropertoneum and peritoneum (235.4) .....	2	1	1	—	—	—	—	—	—
Other and unspecified digestive organs (235.5) .....	11	8	3	7	2	1	1	1	1
Larynx (235.6) .....	—	—	—	—	—	—	—	—	—
Trachea, bronchus, and lung (235.7) .....	30	15	15	10	13	5	2	4	2
Pleura, thymus, and mediastinum (235.8) .....	3	—	3	—	3	—	—	—	—
Other and unspecified respiratory organs (235.9) .....	1	1	—	1	—	—	—	—	—
<b>Neoplasms of uncertain behavior of genitourinary organs (236)</b>									
Uterus (236.0) .....	27	7	20	6	20	1	—	1	—
Placenta (236.1) .....	2	...	2	...	2	...	—	...	—
Ovary (236.2) .....	1	...	1	...	1	...	—	...	—
Other and unspecified female genital organs (236.3) .....	9	...	9	...	9	...	—	...	—
Testis (236.4) .....	1	1	—	1	—	—	—	—	—
Prostate (236.5) .....	—	—	—	—	—	—	—	—	—
Other and unspecified male genital organs (236.6) .....	—	—	—	—	—	—	—	—	—
Bladder (236.7) .....	2	2	—	1	—	1	—	1	—
Other and unspecified urinary organs (236.8) .....	12	4	8	4	8	—	—	—	—

SECTION 1 - GENERAL MORTALITY - PAGE 119

Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Benign neoplasms of brain and other parts of nervous system—Con.									
Spinal meninges (225.4)	0.0	—	0.0	—	0.0	—	—	—	—
Other (225.8)	—	—	—	—	—	—	—	—	—
Part unspecified (225.9)	.0	—	.0	—	.0	—	—	—	—
Benign neoplasms of thyroid gland (226)	.0	0.0	.0	0.0	.0	—	—	—	—
Benign neoplasms of other endocrine glands and related structures (227)	.1	.1	.1	.0	.1	0.1	0.1	0.1	0.1
Suprarenal gland (227.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Parathyroid gland (227.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Pituitary gland and cranio-pharyngeal duct (227.3)	.0	.0	.0	.0	.0	.1	.0	.1	.1
Pineal gland (227.4)	—	—	—	—	—	—	—	—	—
Carotid body (227.5)	.0	.0	—	.0	—	—	—	—	—
Aortic body and other paraganglia (227.6)	—	—	—	—	—	—	—	—	—
Other (227.8)	—	—	—	—	—	—	—	—	—
Site unspecified (227.9)	—	—	—	—	—	—	—	—	—
Hemangioma and lymphangioma, any site (228)	.0	.0	.0	.0	.0	.0	.0	.1	.0
Hemangioma, any site (228.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lymphangioma, any site (228.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Benign neoplasms of other and unspecified sites (229)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lymph nodes (229.0)	—	—	—	—	—	—	—	—	—
Other specified sites (229.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Site unspecified (229.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Carcinoma in situ (230-234)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Carcinoma in situ of digestive organs (230)	—	—	—	—	—	—	—	—	—
Lip, oral cavity, and pharynx (230.0)	—	—	—	—	—	—	—	—	—
Esophagus (230.1)	—	—	—	—	—	—	—	—	—
Stomach (230.2)	—	—	—	—	—	—	—	—	—
Colon (230.3)	—	—	—	—	—	—	—	—	—
Rectum (230.4)	—	—	—	—	—	—	—	—	—
Anal canal (230.5)	—	—	—	—	—	—	—	—	—
Anus, unspecified (230.6)	—	—	—	—	—	—	—	—	—
Other and unspecified parts of intestine (230.7)	—	—	—	—	—	—	—	—	—
Liver and biliary system (230.8)	—	—	—	—	—	—	—	—	—
Other and unspecified digestive organs (230.9)	—	—	—	—	—	—	—	—	—
Carcinoma in situ of respiratory system (231)	—	—	—	—	—	—	—	—	—
Larynx (231.0)	—	—	—	—	—	—	—	—	—
Trachea (231.1)	—	—	—	—	—	—	—	—	—
Bronchus and lung (231.2)	—	—	—	—	—	—	—	—	—
Other specified parts (231.8)	—	—	—	—	—	—	—	—	—
Part unspecified (231.9)	—	—	—	—	—	—	—	—	—
Carcinoma in situ of skin (232)	.0	—	.0	—	—	—	.0	—	.0
Skin of lip (232.0)	—	—	—	—	—	—	—	—	—
Eyelid, including canthus (232.1)	—	—	—	—	—	—	—	—	—
Ear and external auricular canal (232.2)	—	—	—	—	—	—	—	—	—
Skin of other and unspecified parts of face (232.3)	—	—	—	—	—	—	—	—	—
Scalp and skin of neck (232.4)	—	—	—	—	—	—	—	—	—
Skin of trunk, except scrotum (232.5)	—	—	—	—	—	—	—	—	—
Skin of upper limb, including shoulder (232.6)	—	—	—	—	—	—	—	—	—
Skin of lower limb, including hip (232.7)	—	—	—	—	—	—	—	—	—
Other specified sites (232.8)	—	—	—	—	—	—	—	—	—
Site unspecified (232.9)	.0	—	.0	—	—	—	.0	—	.0
Carcinoma in situ of breast and genitourinary system (233)	.0	.0	.0	.0	.0	—	—	—	—
Breast (233.0)	—	—	—	—	—	—	—	—	—
Cervix uteri (233.1)	.0	...	.0	...	.0	...	...	...	...
Other and unspecified parts of uterus (233.2)	.0	...	.0	...	.0	...	...	...	...
Other and unspecified female genital organs (233.3)	—	...	—	...	—	...	...	...	...
Prostate (233.4)	—	—	...	—	...	—	...	—	...
Penis (233.5)	—	—	...	—	...	—	...	—	...
Other and unspecified male genital organs (233.6)	—	—	...	—	...	—	...	—	...
Bladder (233.7)	.0	.0	—	.0	—	—	—	—	—
Other and unspecified urinary organs (233.8)	—	—	—	—	—	—	—	—	—
Carcinoma in situ of other and unspecified sites (234)	.0	.0	.0	.0	.0	.0	—	.0	—
Eye (234.0)	—	—	—	—	—	—	—	—	—
Other specified sites (234.8)	—	—	—	—	—	—	—	—	—
Site unspecified (234.9)	.0	.0	.0	.0	.0	.0	—	.0	—
Neoplasms of uncertain behavior (235-238)	.8	.8	.6	.7	.7	.3	.4	.4	.5
Neoplasms of uncertain behavior of digestive and respiratory systems (235)	.0	.0	.0	.0	.0	.0	.0	.0	.1
Major salivary glands (235.0)	—	—	—	—	—	—	—	—	—
Lip, oral cavity, and pharynx (235.1)	.0	.0	—	.0	—	.0	—	.0	.0
Stomach, intestines, and rectum (235.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Liver and biliary passages (235.3)	.0	.0	.0	.0	.0	—	—	—	—
Retroperitoneum and peritoneum (235.4)	.0	.0	.0	.0	.0	—	—	—	.0
Other and unspecified digestive organs (235.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Larynx (235.6)	—	—	—	—	—	—	—	—	—
Trachea, bronchus, and lung (235.7)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Pleura, thymus, and mediastinum (235.8)	.0	.0	—	.0	—	—	—	—	—
Other and unspecified respiratory organs (235.9)	.0	.0	—	.0	—	—	—	—	—
Neoplasms of uncertain behavior of genitourinary organs (236)	.0	.0	.0	.0	.0	.0	—	.0	—
Uterus (236.0)	.0	...	.0	...	.0	...	...	...	...
Placenta (236.1)	.0	...	.0	...	.0	...	...	...	...
Ovary (236.2)	.0	...	.0	...	.0	...	...	...	...
Other and unspecified female genital organs (236.3)	—	...	—	...	—	...	...	...	...
Testis (236.4)	.0	.0	...	.0	...	—	...	—	...
Prostate (236.5)	—	—	...	—	...	—	...	—	...
Other and unspecified male genital organs (236.6)	—	—	...	—	...	—	...	—	...
Bladder (236.7)	.0	.0	—	.0	—	.0	—	.0	—
Other and unspecified urinary organs (236.8)	.0	.0	.0	.0	.0	—	—	—	—

SECTION 1 - GENERAL MORTALITY - PAGE 120

Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044 and their four-digit subcategories; see Technical Appendix ]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Neoplasms of uncertain behavior—Con.									
Neoplasms of uncertain behavior of endocrine glands and nervous system (237) .....	147	63	84	53	65	10	19	9	16
Pituitary gland and cranio-pharyngeal duct (237.0) .....	55	23	32	18	24	5	8	4	6
Pineal gland (237.1) .....	4	4	—	2	—	2	—	2	—
Suprarenal gland (237.2) .....	—	—	—	—	—	—	—	—	—
Parengionia (237.3) .....	9	—	9	—	2	—	1	—	—
Other and unspecified endocrine glands (237.4) .....	1	—	—	—	1	—	—	—	—
Brain and spinal cord (237.5) .....	27	14	13	19	9	1	4	1	4
Meninges (237.6) .....	3	2	1	2	1	—	—	—	—
Neurofibromatosis (237.7) .....	54	20	34	16	28	2	6	2	4
Other and unspecified parts of nervous system (237.9) .....	—	—	—	—	—	—	—	—	—
Neoplasms of uncertain behavior of other and unspecified sites and tissues (238) .....	1,251	618	633	577	576	41	57	34	51
Bone and articular cartilage (238.0) .....	8	2	6	1	6	1	—	1	—
Connective and other soft tissue (238.1) .....	28	10	18	9	14	1	4	1	4
Skin (238.2) .....	2	1	1	1	1	—	—	—	—
Breast (238.3) .....	3	—	3	—	3	—	—	—	—
Polycythemia vera (238.4) .....	305	138	167	130	153	8	14	8	12
Histiocytic and mast cells (238.5) .....	—	—	—	—	—	—	—	—	—
Plasma cells (238.6) .....	34	20	14	18	13	2	1	2	1
Other lymphatic and hematopoietic tissues (238.7) .....	776	409	369	382	339	27	30	20	26
Other specified sites (238.8) .....	6	2	6	2	5	—	1	—	1
Site unspecified (238.9) .....	85	36	49	34	42	2	7	2	7
Neoplasms of unspecified nature (239) .....	3,705	1,727	1,978	1,511	1,741	216	237	192	222
Neoplasms of unspecified nature (239) .....	3,705	1,727	1,978	1,511	1,741	216	237	192	222
Digestive system (239.0) .....	348	145	203	118	182	27	21	24	19
Respiratory system (239.1) .....	364	203	161	177	145	26	16	23	16
Bone, soft tissue, and skin (239.2) .....	22	9	13	8	10	1	3	1	3
Breast (239.3) .....	3	—	3	—	3	—	—	—	—
Bladder (239.4) .....	34	19	15	17	12	2	3	2	3
Other genitourinary organs (239.5) .....	98	33	65	30	54	3	11	3	11
Brain (239.6) .....	2,336	1,106	1,230	988	1,097	118	133	105	121
Endocrine glands, and other parts of nervous system (239.7) .....	156	75	81	60	65	15	16	14	16
Other specified sites (239.8) .....	236	77	159	69	134	9	25	6	24
Site unspecified (239.9) .....	108	60	48	45	39	15	8	14	9
III. Endocrine, nutritional, and metabolic diseases and immunity disorders (240-279)									
Disorders of thyroid gland (240-246) .....	730	176	554	142	480	34	74	30	69
Simple and unspecified goiter (240) .....	25	6	19	4	15	2	4	2	4
Goiter, specified as simple (240.0) .....	—	—	—	—	—	—	—	—	—
Goiter, unspecified (240.9) .....	25	6	19	4	15	2	4	2	4
Nontoxic nodular goiter (241) .....	9	3	6	2	4	1	2	1	2
Nontoxic multinodular goiter (241.0) .....	—	—	—	—	—	—	—	—	—
Nontoxic multinodular goiter (241.1) .....	4	2	2	2	2	—	—	—	—
Unspecified (241.9) .....	5	1	4	—	2	1	2	1	2
Thyrotoxicosis with or without goiter (242) .....	122	32	90	22	67	10	23	6	20
Toxic diffuse goiter (242.0) .....	15	4	11	2	6	2	5	1	5
Toxic multinodular goiter (242.1) .....	2	—	2	—	2	—	—	—	—
Toxic multinodular goiter (242.2) .....	3	1	2	—	2	1	—	1	—
Toxic nodular goiter, unspecified (242.3) .....	6	—	6	—	6	—	—	—	—
Thyrotoxicosis from ectopic thyroid nodule (242.4) .....	—	—	—	—	—	—	—	—	—
Thyrotoxicosis of other specified origin (242.8) .....	—	—	—	—	—	—	—	—	—
Thyrotoxicosis without mention of goiter or other cause (242.9) .....	96	27	69	20	51	7	18	6	15
Congenital hypothyroidism (243) .....	6	1	5	1	3	—	2	—	2
Acquired hypothyroidism (244) .....	544	127	417	109	379	18	38	18	36
Other postablative hypothyroidism (244.1) .....	—	—	—	—	—	—	—	—	—
Iodine hypothyroidism (244.2) .....	—	—	—	—	—	—	—	—	—
Other iatrogenic hypothyroidism (244.3) .....	—	—	—	—	—	—	—	—	—
Other (244.9) .....	—	—	—	—	—	—	—	—	—
Unspecified hypothyroidism (244.9) .....	544	127	417	109	379	18	38	18	36
Thyroiditis (245) .....	6	1	5	—	5	1	—	1	—
Acute thyroiditis (245.0) .....	1	—	1	—	1	—	—	—	—
Subacute thyroiditis (245.1) .....	—	—	—	—	—	—	—	—	—
Chronic lymphocytic thyroiditis (245.2) .....	1	—	1	—	1	—	—	—	—
Chronic fibrous thyroiditis (245.3) .....	—	—	—	—	—	—	—	—	—
Iatrogenic thyroiditis (245.4) .....	1	1	—	—	—	1	—	1	—
Other and unspecified chronic thyroiditis (245.8) .....	—	—	—	—	—	—	—	—	—
Unspecified (245.9) .....	1	—	1	—	1	—	—	—	—
Other disorders of thyroid (246) .....	18	6	12	4	7	2	5	2	5
Disorders of thyrocalcitonin secretion (246.0) .....	—	—	—	—	—	—	—	—	—
Dyshormonogenic goiter (246.1) .....	—	—	—	—	—	—	—	—	—
Cyst of thyroid (246.2) .....	1	—	1	—	1	—	—	—	—
Hemorrhage and infarction of thyroid (246.3) .....	1	—	1	—	1	—	—	—	—
Other (246.8) .....	4	3	1	3	1	—	—	—	—
Unspecified (246.9) .....	12	3	9	1	4	2	5	2	5
Diseases of other endocrine glands (250-259) .....	41,186	17,317	23,869	14,271	19,065	3,046	4,804	2,713	4,422
Diabetes mellitus (250) .....	40,388	16,975	23,393	14,008	18,684	2,967	4,709	2,640	4,332
Diabetes mellitus without mention of complication (250.0) .....	29,783	12,432	17,351	10,486	14,142	1,948	3,209	1,703	2,944
Diabetes with ketoacidosis (250.1) .....	1,805	828	977	607	723	221	254	210	241
Diabetes with coma (250.2) .....	1,384	480	904	346	706	134	198	129	186
Diabetes with renal manifestations (250.3) .....	3,161	1,395	1,766	1,069	1,299	326	468	297	407
Diabetes with ophthalmic manifestations (250.4) .....	101	33	68	30	65	3	3	3	3
Diabetes with neurological manifestations (250.5) .....	261	126	135	109	110	17	25	15	23
Diabetes with peripheral circulatory disorders (250.6) .....	2,772	1,279	1,493	1,071	1,143	208	350	191	333

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
<i>Neoplasms of uncertain behavior-Con.</i>									
Neoplasms of uncertain behavior of endocrine glands and nervous system (237)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Pituitary gland and cranio-pharyngeal duct (237.0)	.0	.0	.0	.0	.0	.0	.0	.0	.1
Pineal gland (237.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Suprarenal gland (237.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Paraganglia (237.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other and unspecified endocrine glands (237.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Brain and spinal cord (237.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Meninges (237.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Neurofibromatosis (237.7)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other and unspecified parts of nervous system (237.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Neoplasms of uncertain behavior of other and unspecified sites and tissues (238)</i>									
Bone and articular cartilage (238.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Connective and other soft tissue (238.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Skin (238.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Breast (238.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Polycythemia vera (238.4)	.1	.1	.1	.1	.1	.0	.1	.1	.1
Histiocytic and mast cells (238.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Plasma cells (238.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other lymphatic and hematopoietic tissues (238.7)	.3	.3	.3	.4	.3	.1	.1	.1	.2
Other specified sites (238.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Site unspecified (238.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Neoplasms of unspecified nature (239)</i>									
Neoplasms of unspecified nature (239)	1.5	1.4	1.6	1.5	1.6	1.2	1.2	1.3	1.4
<i>Neoplasms of unspecified nature (239)</i>									
Digestive system (239.0)	.1	.1	.2	.1	.2	.1	.1	.2	.1
Respiratory system (239.1)	.1	.1	.1	.2	.1	.1	.1	.2	.1
Bone, soft tissue, and skin (239.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Breast (239.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bladder (239.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other genitourinary organs (239.5)	.0	.0	.1	.0	.1	.0	.1	.0	.1
Brain (239.6)	1.0	.9	1.0	1.0	1.0	.8	.7	.7	.8
Endocrine glands, and other parts of nervous system (239.7)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Other specified sites (239.8)	.1	.1	.1	.1	.1	.0	.1	.0	.2
Site unspecified (239.9)	.0	.1	.0	.0	.0	.1	.0	.1	.1
<i>III. Endocrine, nutritional, and metabolic diseases and immunity disorders (240-278)</i>									
<i>Disorders of thyroid gland (240-246)</i>									
Disorders of thyroid gland (240-246)	.3	.1	.4	.1	.5	.2	.4	.2	.4
<i>Simpler and unspecified goiter (240)</i>									
Simpler and unspecified goiter (240)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Goiter, specified as simple (240.0)</i>									
Goiter, specified as simple (240.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Goiter, unspecified (240.8)</i>									
Goiter, unspecified (240.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Nontoxic nodular goiter (241)</i>									
Nontoxic nodular goiter (241)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Nontoxic multinodular goiter (241.0)</i>									
Nontoxic multinodular goiter (241.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Nontoxic multinodular goiter (241.1)</i>									
Nontoxic multinodular goiter (241.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Unspecified (241.9)</i>									
Unspecified (241.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Thyrotoxicosis with or without goiter (242)</i>									
Thyrotoxicosis with or without goiter (242)	.0	.0	.1	.0	.1	.1	.1	.1	.1
<i>Toxic diffuse goiter (242.0)</i>									
Toxic diffuse goiter (242.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Toxic unimodular goiter (242.1)</i>									
Toxic unimodular goiter (242.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Toxic multinodular goiter (242.2)</i>									
Toxic multinodular goiter (242.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Toxic nodular goiter, unspecified (242.3)</i>									
Toxic nodular goiter, unspecified (242.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Thyrotoxicosis from ectopic thyroid nodules (242.4)</i>									
Thyrotoxicosis from ectopic thyroid nodules (242.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Thyrotoxicosis of other specified origin (242.8)</i>									
Thyrotoxicosis of other specified origin (242.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Thyrotoxicosis without mention of goiter or other cause (242.9)</i>									
Thyrotoxicosis without mention of goiter or other cause (242.9)	.0	.0	.1	.0	.0	.0	.1	.0	.1
<i>Congenital hypothyroidism (243)</i>									
Congenital hypothyroidism (243)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Acquired hypothyroidism (244)</i>									
Acquired hypothyroidism (244)	.2	.1	.3	.1	.4	.1	.2	.1	.2
<i>Other postablative hypothyroidism (244.1)</i>									
Other postablative hypothyroidism (244.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Iodine hypothyroidism (244.2)</i>									
Iodine hypothyroidism (244.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Other iatrogenic hypothyroidism (244.3)</i>									
Other iatrogenic hypothyroidism (244.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Other (244.8)</i>									
Other (244.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Unspecified hypothyroidism (244.9)</i>									
Unspecified hypothyroidism (244.9)	.2	.1	.3	.1	.4	.1	.2	.1	.2
<i>Thyroiditis (245)</i>									
Thyroiditis (245)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Acute thyroiditis (245.0)</i>									
Acute thyroiditis (245.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Subacute thyroiditis (245.1)</i>									
Subacute thyroiditis (245.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Chronic lymphocytic thyroiditis (245.2)</i>									
Chronic lymphocytic thyroiditis (245.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Chronic fibrous thyroiditis (245.3)</i>									
Chronic fibrous thyroiditis (245.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Iatrogenic thyroiditis (245.4)</i>									
Iatrogenic thyroiditis (245.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Other and unspecified chronic thyroiditis (245.8)</i>									
Other and unspecified chronic thyroiditis (245.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Unspecified (245.9)</i>									
Unspecified (245.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Other disorders of thyroid (246)</i>									
Other disorders of thyroid (246)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Disorders of thyrocalcitonin secretion (246.0)</i>									
Disorders of thyrocalcitonin secretion (246.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Dyshormonogenic goiter (246.1)</i>									
Dyshormonogenic goiter (246.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Cyst of thyroid (246.2)</i>									
Cyst of thyroid (246.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Hemorrhage and infarction of thyroid (246.3)</i>									
Hemorrhage and infarction of thyroid (246.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Other (246.8)</i>									
Other (246.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Unspecified (246.9)</i>									
Unspecified (246.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<i>Diseases of other endocrine glands (250-259)</i>									
Diseases of other endocrine glands (250-259)	16.8	14.5	18.9	14.1	18.0	16.6	23.9	18.9	27.8
<i>Diabetes mellitus (250)</i>									
Diabetes mellitus (250)	16.4	14.2	18.6	13.8	17.8	16.2	23.5	18.4	27.3
<i>Diabetes mellitus without mention of complication (250.0)</i>									
Diabetes mellitus without mention of complication (250.0)	12.1	10.4	13.6	10.3	13.3	10.6	16.0	11.9	18.5
<i>Diabetes with ketoacidosis (250.1)</i>									
Diabetes with ketoacidosis (250.1)	.7	.7	.8	.6	.7	1.2	1.3	1.5	1.5
<i>Diabetes with coma (250.2)</i>									
Diabetes with coma (250.2)	.6	.4	.7	.3	.7	.7	1.0	.9	1.2
<i>Diabetes with renal manifestations (250.3)</i>									
Diabetes with renal manifestations (250.3)	1.3	1.2	1.4	1.1	1.2	1.8	2.3	2.0	2.6
<i>Diabetes with ophthalmic manifestations (250.4)</i>									
Diabetes with ophthalmic manifestations (250.4)	.0	.0	.1	.0	.1	.0	.0	.0	.0
<i>Diabetes with neurological manifestations (250.5)</i>									
Diabetes with neurological manifestations (250.5)	.1	.1	.1	.1	.1	.1	.1	.1	.1
<i>Diabetes with peripheral circulatory disorders (250.6)</i>									
Diabetes with peripheral circulatory disorders (250.6)	1.1	1.1	1.2	1.1	1.1	1.1	1.7	1.3	2.1







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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Vitamin A deficiency-Con.									
With corneal ulceration and xerosis (264.3)	-	-	-	-	-	-	-	-	-
With keratomalacia (264.4)	-	-	-	-	-	-	-	-	-
With night blindness (264.5)	-	-	-	-	-	-	-	-	-
With xerophthalmic scars of cornea (264.6)	-	-	-	-	-	-	-	-	-
Other ocular manifestations of vitamin A deficiency (264.7)	-	-	-	-	-	-	-	-	-
Other manifestations of vitamin A deficiency (264.8)	-	-	-	-	-	-	-	-	-
Unspecified (264.9)	-	-	-	-	-	-	-	-	-
Thiamine and niacin deficiency states (265)	15	11	4	9	4	2	-	2	-
Beriberi (265.0)	2	1	1	1	1	-	-	-	-
Other and unspecified manifestations of thiamine deficiency (265.1)	13	10	3	8	3	2	-	2	-
Pellagra (265.2)	-	-	-	-	-	-	-	-	-
Deficiency of B-complex components (266)	14	6	8	6	7	-	1	-	1
Ariboflavinosis (266.0)	-	-	-	-	-	-	-	-	-
Vitamin B6 deficiency (266.1)	-	-	-	-	-	-	-	-	-
Other B-complex deficiencies (266.2)	12	4	8	4	7	-	1	-	1
Unspecified vitamin B deficiency (266.9)	2	2	-	2	-	-	-	-	-
Ascorbic acid deficiency (267)	4	1	3	1	3	-	-	-	-
Vitamin D deficiency (268)	4	1	3	1	3	-	-	-	-
Rickets, active (268.0)	2	1	1	1	1	-	-	-	-
Rickets, late effect (268.1)	-	-	-	-	-	-	-	-	-
Osteomalacia (268.2)	2	-	2	-	2	-	-	-	-
Unspecified (268.9)	-	-	-	-	-	-	-	-	-
Other nutritional deficiencies (269)	106	38	68	30	61	8	7	6	6
Deficiency of vitamin K (269.0)	1	-	1	-	1	-	-	-	-
Deficiency of other vitamins (269.1)	-	-	-	-	-	-	-	-	-
Unspecified vitamin deficiency (269.2)	1	-	1	-	1	-	-	-	-
Mineral deficiency, not elsewhere classified (269.3)	1	-	1	-	1	-	-	-	-
Other nutritional deficiency (269.8)	1	1	-	-	-	1	-	1	-
Unspecified (269.9)	102	37	65	30	58	7	7	5	6
Other metabolic disorders and immunity disorders (270-279)	10,368	4,710	5,658	3,864	4,708	846	950	789	898
Disorders of amino-acid transport and metabolism (270)	89	46	42	38	36	8	6	6	5
Disturbances of amino-acid transport (270.0)	8	2	6	2	4	-	2	-	2
Phenylketonuria (270.1)	3	2	1	2	1	-	-	-	-
Other disturbances of aromatic amino-acid metabolism (270.2)	8	4	4	4	3	-	1	-	-
Disturbances of branched-chain amino-acid metabolism (270.3)	4	2	2	1	1	1	1	-	1
Disturbances of sulphur-bearing amino-acid metabolism (270.4)	4	2	2	1	2	1	-	-	-
Disturbances of histidine metabolism (270.5)	-	-	-	-	-	-	-	-	-
Disorders of urea cycle metabolism (270.6)	41	26	15	20	15	6	-	6	-
Other disturbances of straight-chain amino-acid metabolism (270.7)	13	6	7	6	7	-	-	-	-
Other (270.8)	5	2	3	2	2	-	1	-	1
Unspecified (270.9)	2	-	2	-	1	-	1	-	1
Disorders of carbohydrate transport and metabolism (271)	43	23	20	19	15	4	5	4	5
Glycogenesis (271.0)	30	16	14	13	10	3	4	3	4
Galactosemia (271.1)	-	-	-	-	-	-	-	-	-
Hereditary fructose intolerance (271.2)	-	-	-	-	-	-	-	-	-
Intestinal disaccharidase deficiencies and disaccharide malabsorption (271.3)	4	2	2	1	2	1	-	1	-
Renal glycosuria (271.4)	4	-	4	-	3	-	1	-	1
Other (271.8)	5	5	-	5	-	-	-	-	-
Unspecified (271.9)	-	-	-	-	-	-	-	-	-
Disorders of lipid metabolism (272)	831	468	363	441	330	27	33	20	30
Pure hypocholesterolemia (272.0)	329	170	159	154	141	16	18	11	16
Pure hyperglyceridemia (272.1)	21	15	6	15	6	-	-	-	-
Mixed hyperlipidemia (272.2)	5	2	2	2	2	-	-	-	-
Hyperchylomicronemia (272.3)	-	-	-	-	-	-	1	-	1
Other and unspecified hyperlipidemia (272.4)	394	235	159	227	150	8	9	6	8
Lipoprotein deficiencies (272.5)	5	2	3	2	3	-	-	-	-
Lipodystrophy (272.6)	1	-	1	-	-	-	-	-	-
Lipidoses (272.7)	67	40	27	37	23	3	4	3	4
Other disorders of lipid metabolism (272.8)	7	1	6	1	5	-	1	-	1
Unspecified disorders of lipid metabolism (272.9)	2	2	-	2	-	-	-	-	-
Disorders of plasma protein metabolism (273)	452	221	231	198	209	23	22	19	22
Polyclonal hypergammaglobulinemia (273.0)	1	-	1	-	-	-	1	-	1
Monoclonal paraproteinemia (273.1)	23	8	15	7	18	1	2	-	2
Other paraproteinemias (273.2)	59	31	28	27	27	4	1	4	1
Macroglobulinemia (273.3)	222	128	96	117	90	9	6	8	6
Other (273.8)	133	49	84	40	73	9	11	7	11
Unspecified (273.9)	14	7	7	7	6	-	1	-	1
Gout (274)	81	57	24	35	18	22	6	18	6
Gouty arthropathy (274.0)	20	16	4	9	3	7	1	6	1
Gouty nephropathy (274.1)	16	10	6	7	4	3	2	2	2
Gout with other manifestations (274.8)	-	-	-	-	-	-	-	-	-
Unspecified (274.9)	45	31	14	19	11	12	3	10	3
Disorders of mineral metabolism (275)	334	190	144	160	117	30	27	27	26
Disorders of iron metabolism (275.0)	170	116	54	103	47	13	7	11	7
Disorders of copper metabolism (275.1)	12	5	7	4	5	1	2	1	1
Disorders of magnesium metabolism (275.2)	6	1	5	-	3	1	2	1	2
Disorders of phosphorus metabolism (275.3)	4	3	1	3	-	-	1	-	1
Disorders of calcium metabolism (275.4)	142	65	77	50	82	15	15	14	15
Other (275.8)	-	-	-	-	-	-	-	-	-
Unspecified (275.9)	-	-	-	-	-	-	-	-	-
Disorders of fluid, electrolyte, and acid-base balance (276)	5,199	1,954	3,185	1,548	2,661	408	524	393	491
Hyposmolality and/or hyponatremia (276.0)	196	85	111	67	80	18	21	18	19
Hyposmolality and/or hyponatremia (276.1)	213	65	148	55	131	10	17	9	18



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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
<b>Disorders of fluid, electrolyte, and acid-base balance-Con.</b>									
Acidosis (276.2)	920	411	509	295	392	116	117	109	112
Alkalosis (276.3)	11	2	9	-	6	2	3	2	3
Mixed acid-base balance disorder (276.4)	-	-	-	-	-	-	-	-	-
Volume depletion (276.5)	3,003	1,089	1,914	902	1,652	187	202	182	244
Fluid overload (276.6)	41	23	18	14	10	9	8	8	8
Hypernatremia (276.7)	266	116	150	82	114	34	36	39	32
Hypopotassemia (276.8)	117	40	77	30	57	10	20	10	19
Electrolyte and fluid disorders, not elsewhere classified (276.9)	372	123	249	101	209	22	40	22	38
<b>Other and unspecified disorders of metabolism (277)</b>									
Cystic fibrosis (277.0)	1,531	771	760	681	671	90	89	84	80
Disorders of porphyrin metabolism (277.1)	356	152	204	148	197	6	7	6	6
Other disorders of porphyrin metabolism (277.2)	9	7	2	7	2	-	-	-	-
Other disorders of purine and pyrimidine metabolism (277.3)	1	1	-	1	-	-	-	-	-
Amyloidosis (277.4)	644	348	296	297	247	51	49	46	45
Disorders of bilirubin excretion (277.5)	3	3	-	1	-	2	-	2	-
Mucopolysaccharidosis (277.6)	58	33	25	29	21	4	4	4	3
Other deficiencies of circulating enzymes (277.7)	117	65	52	65	51	-	1	-	1
Other (277.8)	44	28	16	21	15	5	3	5	2
Unspecified (277.9)	299	136	163	114	139	22	25	21	23
<b>Obesity and other hyperalimentation (278)</b>									
Obesity (278.0)	1,269	564	705	448	516	116	189	108	187
Localized adiposity (278.1)	1,135	504	631	396	465	108	165	101	164
Localized adiposity (278.1)	1	-	1	-	1	-	-	-	-
Hypervitaminosis A (278.2)	1	1	-	-	-	1	-	1	-
Hypercarotinemia (278.3)	-	-	-	-	-	-	-	-	-
Hypervitaminosis D (278.4)	-	-	-	-	-	-	-	-	-
Other (278.8)	132	59	73	52	49	7	24	6	23
<b>Disorders involving the immune mechanism (279)</b>									
Deficiency of humoral immunity (279.0)	600	416	184	298	195	118	49	110	44
Deficiency of cell-mediated immunity (279.1)	21	11	10	10	8	1	2	1	2
Deficiency of cell-mediated immunity (279.1)	9	7	2	7	1	-	1	-	1
Combined immunity deficiency (279.2)	25	15	9	14	7	2	2	2	-
Unspecified immunity deficiency (279.3)	405	281	124	202	87	79	37	74	35
Autoimmune disease, not elsewhere classified (279.4)	124	92	32	68	26	34	6	31	5
Other (279.8)	10	4	6	2	5	2	1	2	1
Unspecified (279.9)	6	5	1	5	1	-	-	-	-
<b>IV. Diseases of the blood and blood-forming organs (280-289)</b>									
<b>Diseases of the blood and blood-forming organs (280-289)</b>									
Diseases of the blood and blood-forming organs (280-289)	8,315	3,971	4,344	3,325	3,639	648	705	579	655
<b>Iron deficiency anemias (280)</b>									
Iron deficiency anemias (280)	100	40	60	35	54	5	6	4	6
<b>Other deficiency anemias (281)</b>									
Other deficiency anemias (281)	189	64	125	57	113	7	12	7	12
Pernicious anemia (281.0)	102	31	71	28	67	3	4	3	4
Other vitamin-B12-deficiency anemia (281.1)	-	-	-	-	-	-	-	-	-
Folate-deficiency anemia (281.2)	13	4	9	4	9	-	-	-	-
Other specified megaloblastic anemias, not elsewhere classified (281.3)	2	1	1	-	2	-	-	-	-
Protein-deficiency anemia (281.4)	1	-	-	-	-	-	-	-	-
Anemia associated with other specified nutritional deficiency (281.8)	18	7	11	6	9	1	2	1	2
Unspecified (281.9)	53	21	32	19	26	2	6	2	6
<b>Hereditary hemolytic anemias (282)</b>									
Hereditary hemolytic anemias (282)	546	264	284	71	111	193	173	186	168
Hereditary spherocytosis (282.0)	9	3	6	3	8	-	-	-	-
Hereditary elliptocytosis (282.1)	-	-	-	-	-	-	-	-	-
Anemia due to disorders of glutathione metabolism (282.2)	-	-	-	-	-	-	-	-	-
Other hemolytic anemias due to enzyme deficiency (282.3)	8	6	2	5	2	1	-	-	-
Thalassemias (282.4)	25	12	13	4	2	8	11	5	5
Sickle-cell trait (282.5)	6	4	2	-	-	4	2	4	2
Sickle-cell anemia (282.6)	326	175	151	3	6	172	145	172	145
Other hemoglobinopathies (282.7)	4	1	3	1	1	-	2	-	2
Other (282.8)	-	-	-	-	-	-	-	-	-
Unspecified (282.9)	179	83	107	55	94	9	13	5	12
<b>Acquired hemolytic anemias (283)</b>									
Acquired hemolytic anemias (283)	148	64	84	53	79	11	5	8	4
Autoimmune hemolytic anemias (283.0)	91	38	53	32	48	6	5	4	4
Non-autoimmune hemolytic anemias (283.1)	31	11	20	9	20	2	-	1	-
Homoglobinuria due to hemolysis from external causes (283.2)	17	11	6	8	6	3	-	3	-
Unspecified (283.9)	9	4	5	4	5	-	-	-	-
<b>Aplastic anemia (284)</b>									
Aplastic anemia (284)	1,302	614	688	554	617	60	71	49	66
Constitutional aplastic anemia (284.0)	30	18	12	15	11	3	1	3	1
Other (284.8)	403	196	207	173	184	23	23	20	21
Unspecified (284.9)	869	400	469	366	422	34	47	26	44
<b>Other and unspecified anemias (285)</b>									
Other and unspecified anemias (285)	1,829	568	961	477	813	91	148	83	140
Sideroblastic anemia (285.0)	157	67	90	60	84	7	6	6	6
Acute posthemorrhagic anemia (285.1)	14	7	7	7	6	-	1	-	1
Other specified anemias (285.8)	57	27	30	26	27	1	3	1	3
Anemia, unspecified (285.9)	1,301	467	834	384	696	83	138	76	130
<b>Coagulation defects (286)</b>									
Coagulation defects (286)	1,242	613	629	484	494	129	135	115	122
Congenital factor VIII disorder (286.0)	70	64	6	52	5	12	1	11	1
Congenital factor IX disorder (286.1)	6	5	1	4	-	1	1	-	-
Congenital factor XI deficiency (286.2)	2	1	1	1	-	-	1	-	1
Congenital deficiency of other clotting factors (286.3)	34	8	26	7	24	1	2	1	2
von Willebrand's disease (286.4)	11	6	5	8	5	-	-	-	-
Hemorrhagic disorder due to circulating anticoagulants (286.5)	4	2	2	2	1	-	1	-	1
Defibrination syndrome (286.6)	754	340	414	282	327	78	87	71	80
Acquired coagulation factor deficiency (286.7)	4	1	3	1	2	-	1	-	1
Other and unspecified coagulation defects (286.8)	357	186	171	149	130	37	41	32	36
<b>Purpura and other hemorrhagic conditions (287)</b>									
Purpura and other hemorrhagic conditions (287)	709	308	401	273	350	35	51	32	46
Allergic purpura (287.0)	7	4	3	4	3	-	-	-	-
Qualitative platelet defects (287.1)	6	4	2	4	2	-	-	-	-
Other nonthrombocytopenic purpuras (287.2)	5	4	1	3	1	1	-	1	-
Primary thrombocytopenia (287.3)	218	82	136	75	123	7	13	6	10

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
<b>Disorders of fluid, electrolyte, and acid-base balance—Con.</b>									
Acidosis (276.2)	0.4	0.3	0.4	0.3	0.4	0.6	0.6	0.8	0.7
Alkalosis (276.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Mixed acid-base balance disorder (276.4)	—	—	—	—	—	—	—	—	—
Volume depletion (276.5)	1.2	.9	1.5	.9	1.6	1.0	1.3	1.3	1.5
Fluid overload (276.6)	.0	.0	.0	.0	.0	.0	.0	.1	.1
Hyperpotassemia (276.7)	.1	.1	.1	.1	.1	.2	.2	.2	.2
Hypopotassemia (276.8)	.0	.0	.1	.0	.1	.1	.1	.1	.1
Electrolyte and fluid disorders, not elsewhere classified (276.9)	.2	.1	.2	.1	.2	.1	.2	.2	.2
<b>Other and unspecified disorders of metabolism (277)</b>									
Cystic fibrosis (277.0)	.6	.6	.6	.7	.6	.5	.4	.6	.5
Disorders of porphyrin metabolism (277.1)	.1	.1	.2	.1	.2	.0	.0	.0	.0
Disorders of purine and pyrimidine metabolism (277.2)	.0	.0	.0	.0	.0	—	—	—	—
Amyloidosis (277.3)	.3	.3	.2	.3	.2	.3	.2	.3	.3
Disorders of bilirubin excretion (277.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Mucopolysaccharidoses (277.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other deficiencies of circulating enzymes (277.6)	.0	.1	.0	.1	.0	.0	.0	.0	.0
Other (277.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (277.9)	.1	.1	.1	.1	.1	.1	.1	.1	.1
<b>Obesity and other hyperalimentation (278)</b>									
Obesity (278.0)	.5	.5	.6	.4	.5	.6	.9	.8	1.2
Localized adiposity (278.1)	.5	.4	.5	.4	.4	.8	.8	.7	1.0
Localized adiposity (278.1)	.0	—	.0	—	.0	—	—	—	—
Hypervitaminosis A (278.2)	.0	.0	—	—	—	.0	—	.0	—
Hypocarotinemia (278.3)	—	—	—	—	—	—	—	—	—
Hypervitaminosis D (278.4)	—	—	—	—	—	—	—	—	—
Other (278.8)	.1	.0	.1	.1	.0	.0	.1	.0	.1
<b>Disorders involving the immune mechanism (279)</b>									
Deficiency of humoral immunity (279.0)	.2	.3	.1	.3	.1	.6	.2	.8	.3
Deficiency of cell-mediated immunity (279.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Combined immunity deficiency (279.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified immunity deficiency (279.3)	.2	.2	.1	.2	.1	.4	.2	.5	.2
Autoimmune disease, not elsewhere classified (279.4)	.1	.1	.0	.1	.0	.2	.0	.2	.0
Other (279.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (279.9)	.0	.0	.0	.0	.0	—	—	—	—
<b>IV. Diseases of the blood and blood-forming organs (280-289)</b>									
<b>Diseases of the blood and blood-forming organs (280-289)</b>									
Iron deficiency anemia (280)	3.4	3.3	3.4	3.3	3.4	3.5	3.5	4.0	4.1
<b>Iron deficiency anemia (280)</b>									
Other deficiency anemia (281)	.0	.0	.0	.0	.1	.0	.0	.0	.0
Pernicious anemia (281.0)	.1	.1	.1	.1	.1	.0	.1	.0	.1
Other vitamin-B12-deficiency anemia (281.1)	.0	.0	.0	.0	.0	—	—	—	—
Folate-deficiency anemia (281.2)	.0	.0	.0	.0	.0	—	—	—	—
Other specified megaloblastic anemia, not elsewhere classified (281.3)	.0	.0	.0	—	.0	—	—	—	—
Protein-deficiency anemia (281.4)	.0	.0	.0	—	—	.0	—	.0	—
Anemia associated with other specified nutritional deficiency (281.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (281.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<b>Hereditary hemolytic anemia (282)</b>									
Hereditary spherocytosis (282.0)	.2	.2	.2	.1	.1	1.1	.9	1.3	1.0
Hereditary elliptocytosis (282.1)	.0	.0	.0	.0	.0	—	—	—	—
Hereditary elliptocytosis (282.1)	—	—	—	—	—	—	—	—	—
Anemia due to disorders of glutathione metabolism (282.2)	—	—	—	—	—	—	—	—	—
Other hemolytic anemia due to enzyme deficiency (282.3)	.0	.0	.0	.0	.0	.0	—	—	—
Thalassemias (282.4)	.0	.0	.0	.0	.0	.0	.1	.0	.0
Sickle-cell trait (282.5)	.0	.0	.0	—	—	.0	.0	.0	.0
Sickle-cell anemia (282.6)	.1	.1	.1	.0	.0	.9	.7	1.2	.9
Other hemoglobinopathies (282.7)	.0	.0	.0	.0	.0	—	.0	—	.0
Other (282.8)	—	—	—	—	—	—	—	—	—
Unspecified (282.9)	.1	.1	.1	.1	.1	.0	.1	.0	.1
<b>Acquired hemolytic anemia (283)</b>									
Autoimmune hemolytic anemia (283.0)	.1	.1	.1	.1	.1	.1	.0	.1	.0
Non-autoimmune hemolytic anemia (283.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Hemoglobinuria due to hemolysis from external causes (283.2)	.0	.0	.0	.0	.0	.0	—	.0	—
Unspecified (283.9)	.0	.0	.0	.0	.0	—	—	—	—
<b>Aplastic anemia (284)</b>									
Constitutional aplastic anemia (284.0)	.5	.5	.5	.5	.6	.3	.4	.3	.4
Other (284.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (284.8)	.2	.2	.2	.2	.2	.1	.1	.1	.1
Unspecified (284.9)	.4	.3	.4	.4	.4	.2	.2	.2	.3
<b>Other and unspecified anemias (285)</b>									
Sideroblastic anemia (285.0)	.6	.5	.8	.5	.8	.5	.7	.8	.9
Acute posthemorrhagic anemia (285.1)	.1	.1	.1	.1	.1	.0	.0	.0	.0
Other specified anemias (285.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Anemia, unspecified (285.9)	.5	.4	.7	.4	.7	.5	.7	.5	.8
<b>Coagulation defects (286)</b>									
Congenital factor VIII disorder (286.0)	.6	.5	.5	.5	.5	.7	.7	.8	.8
Congenital factor IX disorder (286.1)	.0	.1	.0	.0	.0	.1	.0	.1	.0
Congenital factor XI deficiency (286.2)	.0	.0	.0	.0	.0	.0	.0	—	—
Congenital factor XI deficiency (286.2)	.0	.0	.0	.0	.0	—	—	—	—
Congenital deficiency of other clotting factors (286.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
von Willebrand's disease (286.4)	.0	.0	.0	.0	.0	—	—	—	—
Hemorrhagic disorder due to circulating anticoagulants (286.5)	.0	.0	.0	.0	.0	—	—	—	.0
Defibrination syndrome (286.6)	.3	.3	.3	.3	.3	.4	.4	.5	.5
Acquired coagulation factor deficiency (286.7)	.0	.0	.0	.0	.0	.0	.0	—	.0
Other and unspecified coagulation defects (286.9)	.1	.2	.1	.1	.1	.2	.2	.2	.2
<b>Purpura and other hemorrhagic conditions (287)</b>									
Allergic purpura (287.0)	.3	.3	.3	.3	.3	.2	.3	.2	.3
Qualitative platelet defects (287.1)	.0	.0	.0	.0	.0	—	—	—	—
Other nonthrombocytopenic purpura (287.2)	.0	.0	.0	.0	.0	—	—	—	—
Primary thrombocytopenia (287.3)	.1	.1	.1	.1	.1	.0	.1	.0	.1

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
<b>Purpura and other hemorrhagic conditions—Con.</b>									
Secondary thrombocytopenia (287.4)	4	1	3	1	2	—	1	—	1
Thrombocytopenia, unspecified (287.5)	422	184	238	159	204	25	34	23	32
Other specified hemorrhagic conditions (287.8)	—	—	—	—	—	—	—	—	—
Unspecified hemorrhagic conditions (287.9)	47	29	18	27	15	2	3	2	3
<b>Diseases of white blood cells (288)</b>									
Agranulocytosis (288.0)	518	289	229	251	205	38	23	30	19
Functional disorders of neutrophil polymorphonuclears (288.1)	390	176	154	154	141	22	13	20	12
Genetic anomalies of leucocytes (288.2)	18	18	2	11	1	5	1	4	1
Eosinophilia (288.3)	1	1	—	1	—	—	—	—	—
Other (288.8)	22	15	7	12	6	3	1	2	1
Unspecified (288.9)	147	81	66	73	58	8	8	4	5
<b>Other diseases of blood and blood-forming organs (289)</b>									
Secondary polycythemia (289.0)	2,030	1,147	883	1,070	802	77	81	65	74
Chronic lymphadenitis (289.1)	1	1	—	1	—	—	—	—	—
Nonspecific mesenteric lymphadenitis (289.2)	3	3	—	3	—	—	—	—	—
Lymphadenitis, unspecified, except mesenteric (289.3)	3	—	3	—	3	—	—	—	—
Hypersplenism (289.4)	19	11	8	11	8	—	—	—	—
Other diseases of spleen (289.5)	95	53	42	47	42	6	—	5	—
Familial polycythemia (289.6)	1	1	—	1	—	—	—	—	—
Methemoglobinemia (289.7)	3	3	—	2	—	1	—	1	—
Other (289.8)	1,795	1,020	775	954	700	66	75	55	68
Unspecified (289.9)	110	55	55	51	49	4	6	4	6
<b>V. Mental disorders (290-319)</b>									
<b>Organic psychotic conditions (290-294)</b>									
Senile and presenile organic psychotic conditions (290)	7,238	2,757	4,481	2,406	4,183	351	288	318	262
Senile dementia, simple type (290.0)	6,734	2,386	4,348	2,161	4,085	225	263	189	241
Presenile dementia (290.1)	2,882	845	2,037	777	1,922	68	115	57	106
Senile dementia, depressed or paranoid type (290.2)	2,550	961	1,589	901	1,516	60	73	53	66
Senile dementia with acute confusional state (290.3)	69	20	49	18	44	2	5	2	4
Arteriosclerotic dementia (290.4)	15	2	13	1	12	1	1	1	1
Other (290.5)	1,213	555	658	461	589	94	69	86	64
Unspecified (290.9)	—	—	—	—	—	—	—	—	—
Alcoholic psychoses (291)	5	3	2	3	2	—	—	—	—
Delirium tremens (291.0)	372	318	54	203	97	115	17	108	15
Korsakov's psychosis, alcoholic (291.1)	174	156	18	105	12	51	6	47	6
Other alcoholic dementia (291.2)	10	6	4	6	4	—	—	—	—
Other alcoholic hallucinosis (291.3)	70	61	9	41	7	20	2	19	1
Pathological drunkenness (291.4)	—	—	—	—	—	—	—	—	—
Alcoholic jealousy (291.5)	—	—	—	—	—	—	—	—	—
Other (291.8)	113	90	23	46	14	44	9	48	8
Unspecified (291.9)	5	5	—	5	—	—	—	—	—
<b>Drug psychoses (292)</b>									
Drug withdrawal syndrome (292.0)	7	3	4	2	4	1	—	1	—
Paranoid and/or hallucinatory states induced by drugs (292.1)	4	—	4	—	4	—	—	—	—
Pathological drug intoxication (292.2)	—	—	—	—	—	—	—	—	—
Other (292.8)	1	1	—	1	—	—	—	—	—
Unspecified (292.9)	2	2	—	1	—	1	—	1	—
<b>Transient organic psychotic conditions (293)</b>									
Acute confusional state (293.0)	8	3	5	2	4	1	1	1	1
Subacute confusional state (293.1)	2	2	—	1	—	1	—	1	—
Other (293.8)	—	—	—	—	—	—	—	—	—
Unspecified (293.9)	6	1	5	1	4	—	1	—	1
<b>Other organic psychotic conditions (chronic) (294)</b>									
Korsakov's psychosis or syndrome (nonalcoholic) (294.0)	117	47	70	38	63	9	7	8	5
Other (294.8)	18	15	3	13	2	2	1	2	1
Unspecified (294.9)	1	1	—	1	—	—	—	—	—
Other psychoses (295-299)	98	31	67	24	61	7	6	6	4
<b>Schizophrenic psychoses (295)</b>									
Simple type (295.0)	3,152	1,268	1,888	1,086	1,728	170	158	148	145
Hebaphrenic type (295.1)	230	107	123	88	114	19	9	17	9
Catatonic type (295.2)	71	27	44	22	40	5	4	6	4
Paranoid type (295.3)	1	1	—	1	—	—	—	—	—
Acute schizophrenic episode (295.4)	15	7	8	6	8	1	—	1	—
Residual schizophrenia (295.5)	12	7	5	5	4	2	1	2	1
Latent schizophrenia (295.6)	—	—	—	—	—	—	—	—	—
Schizoaffective type (295.7)	60	31	19	27	19	4	—	3	—
Other (295.8)	1	1	—	1	—	—	—	—	—
Unspecified (295.9)	79	33	46	26	42	7	4	6	4
<b>Affective psychoses (296)</b>									
Manic-depressive psychosis, manic type (296.0)	50	21	29	18	29	3	—	3	—
Manic-depressive psychosis, depressed type (296.1)	1	—	1	—	1	—	—	—	—
Manic-depressive psychosis, circular type but currently manic (296.2)	26	13	13	12	13	1	—	1	—
Manic-depressive psychosis, circular type but currently depressed (296.3)	1	1	—	—	—	1	—	—	—
Manic-depressive psychosis, circular type, mixed (296.4)	1	—	1	—	—	—	—	—	—
Manic-depressive psychosis, circular type, current condition not specified (296.5)	6	3	3	3	3	—	—	—	—
Other (296.8)	10	3	7	2	7	1	—	1	—
Unspecified (296.9)	2	1	1	1	1	—	—	—	—
Paranoid states (297)	3	—	3	—	3	—	—	—	—
Paranoid state, simple (297.0)	5	—	5	—	4	—	1	—	1
Paranoia (297.1)	2	—	2	—	1	—	1	—	1
Paraphrenia (297.2)	—	—	—	—	—	—	—	—	—
Induced psychosis (297.3)	1	—	1	—	1	—	—	—	—

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix ]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
<b>Purpura and other hemorrhagic conditions-Con.</b>									
Secondary thrombocytopenia (287.4)	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0
Thrombocytopenia, unspecified (287.5)	.2	.2	.2	.2	.2	0.1	.2	0.2	.2
Other specified hemorrhagic conditions (287.8)	-	-	-	-	-	-	-	-	-
Unspecified hemorrhagic conditions (287.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<b>Diseases of white blood cells (288)</b>									
Agranulocytosis (288.0)	.2	.2	.2	.2	.2	.2	.1	.2	.1
Functional disorders of neutrophil polymorphonuclears (288.1)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Genetic anomalies of leucocytes (288.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Eosinophilia (288.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (288.8)	.1	.1	.1	.1	.1	.0	.0	.0	.0
Unspecified (288.8)	-	-	-	-	-	-	-	-	-
<b>Other diseases of blood and blood-forming organs (289)</b>									
Secondary polycythemia (289.0)	.8	1.0	.7	1.1	.8	.4	.4	.5	.5
Chronic lymphadenitis (289.1)	.0	.0	.0	.0	.0	-	-	-	-
Nonspecific mesenteric lymphadenitis (289.2)	.0	.0	.0	.0	.0	-	-	-	-
Lymphadenitis, unspecified, except mesenteric (289.3)	.0	.0	.0	.0	.0	-	-	-	-
Hypersplenism (289.4)	.0	.0	.0	.0	.0	-	-	-	-
Other diseases of spleen (289.5)	.0	.0	.0	.0	.0	-	-	.0	-
Familial polycythemia (289.6)	.0	.0	.0	.0	.0	-	-	-	-
Methemoglobinemia (289.7)	.0	.0	.0	.0	.0	-	-	.0	-
Other (289.8)	.7	.9	.8	.9	.7	.4	.4	.4	.4
Unspecified (289.8)	.0	.0	.0	.1	.0	.0	.0	.0	.0
<b>V. Mental disorders (290-316)</b>									
<b>Organic psychotic conditions (290-294)</b>									
Senile and presenile organic psychotic conditions (290)	2.7	2.0	3.4	2.1	3.9	1.2	1.3	1.4	1.5
Senile dementia, simple type (290.0)	1.2	.7	1.6	.8	1.8	.4	.6	.4	.7
Presenile dementia (290.1)	1.0	.8	1.3	.9	1.4	.3	.4	.4	.4
Senile dementia, depressed or paranoid type (290.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Senile dementia with acute confusional state (290.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Arteriosclerotic dementia (290.4)	.5	.5	.5	.5	.6	.5	.3	.6	.4
Other (290.8)	.0	.0	.0	.0	.0	-	-	-	-
Unspecified (290.9)	.0	.0	.0	.0	.0	-	-	-	-
Alcoholic psychoses (291)	.2	.3	.0	.2	.0	.6	.1	.8	.1
Delirium tremens (291.0)	.1	.1	.0	.1	.0	.3	.0	.3	.0
Korsakov's psychosis, alcoholic (291.1)	.0	.0	.0	.0	.0	-	-	-	-
Other alcoholic dementia (291.2)	.0	.1	.0	.0	.0	.1	.0	.1	.0
Other alcoholic hallucinosis (291.3)	-	-	-	-	-	-	-	-	-
Pathological drunkenness (291.4)	-	-	-	-	-	-	-	-	-
Alcoholic jealousy (291.5)	-	-	-	-	-	-	-	-	-
Other (291.8)	.0	.1	.0	.0	.0	.2	.0	.3	.1
Unspecified (291.9)	.0	.0	.0	.0	.0	-	-	-	-
Drug psychoses (292)	.0	.0	.0	.0	.0	.0	-	.0	-
Drug withdrawal syndrome (292.0)	.0	.0	.0	.0	.0	-	-	-	-
Paranoid and/or hallucinatory states induced by drugs (292.1)	-	-	-	-	-	-	-	-	-
Pathological drug intoxication (292.2)	-	-	-	-	-	-	-	-	-
Other (292.8)	.0	.0	.0	.0	.0	-	-	-	-
Unspecified (292.9)	.0	.0	.0	.0	.0	.0	-	.0	-
Transient organic psychotic conditions (293)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute confusional state (293.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Subacute confusional state (293.1)	-	-	-	-	-	-	-	-	-
Other (293.8)	-	-	-	-	-	-	-	-	-
Unspecified (293.9)	.0	.0	.0	.0	.0	-	.0	-	.0
Other organic psychotic conditions (chronic) (294)	.0	.0	.1	.0	.1	.0	.0	.1	.0
Korsakov's psychosis or syndrome (nonalcoholic) (294.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (294.8)	.0	.0	.0	.0	.0	-	-	-	-
Unspecified (294.9)	.0	.0	.1	.0	.1	.0	.0	.0	.0
Other psychoses (295-299)	1.3	1.1	1.6	1.1	1.8	.9	.8	1.0	.9
Schizophrenic psychoses (295)	.1	.1	.1	.1	.1	.1	.0	.1	.1
Simple type (295.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Hebephrenic type (295.1)	.0	.0	.0	.0	.0	-	-	-	-
Catatonic type (295.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Paranoid type (295.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute schizophrenic episode (295.4)	-	-	-	-	-	-	-	-	-
Latent schizophrenia (295.5)	-	-	-	-	-	-	-	-	-
Residual schizophrenia (295.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Schizoaffective type (295.7)	.0	.0	.0	.0	.0	-	-	-	-
Other (295.8)	.0	.0	.0	.0	.0	-	-	-	-
Unspecified (295.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Affective psychoses (296)	.0	.0	.0	.0	.0	.0	-	.0	-
Manic-depressive psychosis, manic type (296.0)	.0	.0	.0	.0	.0	-	-	-	-
Manic-depressive psychosis, depressed type (296.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Manic-depressive psychosis, circular type but currently manic (296.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Manic-depressive psychosis, circular type but currently depressed (296.3)	-	-	-	-	-	-	-	-	-
Manic-depressive psychosis, circular type, mixed (296.4)	.0	.0	.0	.0	.0	-	-	-	-
Manic-depressive psychosis, circular type, current condition not specified (296.5)	.0	.0	.0	.0	.0	-	-	-	-
Manic-depressive psychosis, other and unspecified (296.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (296.8)	.0	.0	.0	.0	.0	-	-	-	-
Unspecified (296.9)	.0	.0	.0	.0	.0	-	-	-	-
Paranoid states (297)	.0	.0	.0	.0	.0	-	.0	-	.0
Paranoid state, simple (297.0)	-	-	-	-	-	-	-	-	-
Paranoia (297.1)	.0	.0	.0	.0	.0	-	.0	-	.0
Paraphrenia (297.2)	-	-	-	-	-	-	-	-	-
Induced psychosis (297.3)	.0	.0	.0	.0	.0	-	-	-	-



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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Paranoid states—Con.									
Other (297.8) .....	-	-	-	-	-	-	-	-	-
Unspecified (297.9) .....	2	-	2	-	2	-	-	-	-
Other nonorganic psychoses (298)	2,863	1,137	1,726	989	1,578	148	148	128	195
Depressive type (298.0) .....	-	-	-	-	-	-	-	-	-
Excitatory type (298.1) .....	2	2	-	1	-	1	-	1	-
Reactive confusion (298.2) .....	-	-	-	-	-	-	-	-	-
Acute paranoid reaction (298.3) .....	1	1	-	1	-	-	-	-	-
Psychogenic paranoid psychosis (298.4) .....	-	-	-	-	-	-	-	-	-
Other and unspecified reactive psychosis (298.6) .....	2	1	1	1	1	-	-	-	-
Unspecified psychosis (298.9) .....	2,858	1,133	1,725	986	1,577	147	148	127	195
Psychoses with origin specific to childhood (299)	4	1	3	1	3	-	-	-	-
Infantile autism (299.0) .....	4	1	3	1	3	-	-	-	-
Disintegrative psychosis (299.1) .....	-	-	-	-	-	-	-	-	-
Other (299.8) .....	-	-	-	-	-	-	-	-	-
Unspecified (299.9) .....	-	-	-	-	-	-	-	-	-
Neurotic disorders, personality disorders, and other nonpsychotic mental disorders (300-316)	13,242	7,722	5,520	5,501	4,617	2,221	903	2,065	844
Neurotic disorders (300)	51	28	23	24	20	4	3	3	3
Anxiety states (300.0) .....	5	2	3	2	3	-	-	-	-
Hysteria (300.1) .....	9	3	6	3	6	-	-	-	-
Phobic state (300.2) .....	-	-	-	-	-	-	-	-	-
Obsessive-compulsive disorders (300.3) .....	-	-	-	-	-	-	-	-	-
Neurotic depression (300.4) .....	18	10	8	8	7	2	1	1	1
Neurasthenia (300.5) .....	-	-	-	-	-	-	-	-	-
Depersonalization syndrome (300.6) .....	-	-	-	-	-	-	-	-	-
Hypochondriasis (300.7) .....	-	-	-	-	-	-	-	-	-
Other neurotic disorders (300.8) .....	1	-	1	-	1	-	-	-	-
Unspecified (300.9) .....	18	13	5	11	3	2	2	2	2
Personality disorders (301)	2	-	2	-	2	-	-	-	-
Paranoid personality disorder (301.0) .....	-	-	-	-	-	-	-	-	-
Affective personality disorder (301.1) .....	-	-	-	-	-	-	-	-	-
Schizoid personality disorder (301.2) .....	-	-	-	-	-	-	-	-	-
Explosive personality disorder (301.3) .....	-	-	-	-	-	-	-	-	-
Anankastic personality disorder (301.4) .....	-	-	-	-	-	-	-	-	-
Hysterical personality disorder (301.5) .....	-	-	-	-	-	-	-	-	-
Asthenic personality disorder (301.6) .....	-	-	-	-	-	-	-	-	-
Personality disorder with predominantly sociopathic or asocial manifestation (301.7) .....	-	-	-	-	-	-	-	-	-
Other personality disorders (301.8) .....	-	-	-	-	-	-	-	-	-
Unspecified (301.9) .....	2	-	2	-	2	-	-	-	-
Sexual deviations and disorders (302)	2	2	-	1	-	1	-	1	-
Homosexuality (302.0) .....	-	-	-	-	-	-	-	-	-
Bestiality (302.1) .....	-	-	-	-	-	-	-	-	-
Pedophilia (302.2) .....	-	-	-	-	-	-	-	-	-
Transvestitism (302.3) .....	-	-	-	-	-	-	-	-	-
Exhibitionism (302.4) .....	-	-	-	-	-	-	-	-	-
Trans-sexualism (302.5) .....	-	-	-	-	-	-	-	-	-
Disorders of psychosexual identity (302.6) .....	-	-	-	-	-	-	-	-	-
Frigidity and impotence (302.7) .....	-	-	-	-	-	-	-	-	-
Other (302.8) .....	2	2	-	1	-	1	-	1	-
Unspecified (302.9) .....	-	-	-	-	-	-	-	-	-
Alcohol dependence syndrome (303)	4,718	3,709	1,009	2,521	682	1,188	347	1,085	312
Drug dependence (304)	952	738	214	415	112	323	102	321	102
Morphine type (304.0) .....	14	8	6	3	4	5	2	5	2
Barbiturate type (304.1) .....	2	1	1	-	1	-	-	1	-
Cocaine (304.2) .....	18	19	-	12	-	7	-	7	-
Cannabis (304.3) .....	-	-	-	-	-	-	-	-	-
Amphetamine type and other psychostimulants (304.4) .....	-	-	-	-	-	-	-	-	-
Hallucinogens (304.5) .....	-	-	-	-	-	-	-	-	-
Other (304.8) .....	12	8	4	7	4	1	-	1	-
Combinations of morphine type drug with any other (304.7) .....	1	1	-	1	-	-	-	-	-
Combinations excluding morphine type drug (304.8) .....	-	-	-	-	-	-	-	-	-
Unspecified (304.9) .....	904	701	203	392	103	309	100	307	100
Nondependent abuse of drugs (305)	1,821	1,381	480	885	268	508	182	474	152
Alcohol (305.0) .....	733	692	141	422	98	170	43	140	34
Tobacco (305.1) .....	161	110	51	105	46	5	5	5	5
Cannabis (305.2) .....	1	1	-	1	-	-	-	-	-
Hallucinogens (305.3) .....	1	1	-	-	-	1	-	1	-
Barbiturates and tranquilizers (305.4) .....	-	-	-	-	-	-	-	-	-
Morphine type (305.5) .....	10	5	5	3	5	2	-	2	-
Cocaine type (305.6) .....	89	71	18	39	7	32	11	31	11
Amphetamine type (305.7) .....	1	1	-	1	-	-	-	-	-
Antidepressants (305.8) .....	-	-	-	-	-	-	-	-	-
Other, mixed or unspecified (305.9) .....	825	610	215	314	112	298	103	295	102
Physiological malfunction arising from mental factors (306)	13	4	9	4	8	-	1	-	1
Musculoskeletal (306.0) .....	-	-	-	-	-	-	-	-	-
Respiratory (306.1) .....	1	-	1	-	1	-	-	-	-
Cardiovascular (306.2) .....	8	4	5	4	5	-	-	-	-
Skin (306.3) .....	-	-	-	-	-	-	-	-	-
Gastrointestinal (306.4) .....	3	-	3	-	2	-	1	-	1
Genitourinary (306.5) .....	-	-	-	-	-	-	-	-	-
Endocrine (306.6) .....	-	-	-	-	-	-	-	-	-
Organs of special sense (306.7) .....	-	-	-	-	-	-	-	-	-
Other (306.8) .....	-	-	-	-	-	-	-	-	-
Unspecified (306.9) .....	-	-	-	-	-	-	-	-	-
Special symptoms or syndromes not elsewhere classified (307)	184	62	122	57	115	5	7	3	5
Stammering and stuttering (307.0) .....	-	-	-	-	-	-	-	-	-
Anorexia nervosa (307.1) .....	67	19	48	19	44	-	4	-	3

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Paranoid states-Con.									
Other (297.8)	-	-	-	-	-	-	-	-	-
Unspecified (297.9)	0.0	-	0.0	-	0.0	-	-	-	-
Other nonorganic psychoses (288)	1.2	0.9	1.4	1.0	1.5	0.8	0.7	0.9	0.9
Depressive type (288.0)	-	-	-	-	-	-	-	-	-
Excitatory type (288.1)	.0	.0	-	.0	-	.0	-	.0	-
Reactive confusion (288.2)	-	-	-	-	-	-	-	-	-
Acute paranoid reaction (288.3)	.0	.0	-	.0	-	-	-	-	-
Psychogenic paranoid psychosis (288.4)	-	-	-	-	-	-	-	-	-
Other and unspecified reactive psychosis (288.8)	.0	.0	.0	.0	.0	-	-	-	-
Unspecified psychosis (288.9)	1.2	.9	1.4	1.0	1.5	.8	.7	.9	.9
Psychoses with origin specific to childhood (299)	.0	.0	.0	.0	.0	-	-	-	-
Infantile autism (299.0)	-	.0	.0	.0	.0	-	-	-	-
Disintegrative psychosis (299.1)	-	-	-	-	-	-	-	-	-
Other (299.8)	-	-	-	-	-	-	-	-	-
Unspecified (299.9)	-	-	-	-	-	-	-	-	-
Neurotic disorders, personality disorders, and other nonpsychotic mental disorders (300-316)	5.4	6.4	4.4	5.4	4.4	12.1	4.5	14.4	5.3
Neurotic disorders (300)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Anxiety states (300.0)	.0	.0	.0	.0	.0	-	-	-	-
Hysteria (300.1)	.0	.0	.0	.0	.0	-	-	-	-
Phobic state (300.2)	-	-	-	-	-	-	-	-	-
Obsessive-compulsive disorders (300.3)	-	-	-	-	-	-	-	-	-
Neurotic depression (300.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Neuroasthenia (300.5)	-	-	-	-	-	-	-	-	-
Depersonalization syndrome (300.6)	-	-	-	-	-	-	-	-	-
Hypochondriasis (300.7)	-	-	-	-	-	-	-	-	-
Other neurotic disorders (300.8)	.0	.0	.0	.0	.0	-	-	-	-
Unspecified (300.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Personality disorders (301)	.0	-	.0	-	.0	-	-	-	-
Paranoid personality disorder (301.0)	-	-	-	-	-	-	-	-	-
Affective personality disorder (301.1)	-	-	-	-	-	-	-	-	-
Schizoid personality disorder (301.2)	-	-	-	-	-	-	-	-	-
Explosive personality disorder (301.3)	-	-	-	-	-	-	-	-	-
Anankastic personality disorder (301.4)	-	-	-	-	-	-	-	-	-
Hysterical personality disorder (301.5)	-	-	-	-	-	-	-	-	-
Asthenic personality disorder (301.6)	-	-	-	-	-	-	-	-	-
Personality disorder with predominantly sociopathic or asocial manifestation (301.7)	-	-	-	-	-	-	-	-	-
Other personality disorders (301.8)	-	-	-	-	-	-	-	-	-
Unspecified (301.9)	.0	-	.0	-	.0	-	-	-	-
Sexual deviations and disorders (302)	.0	.0	-	.0	-	.0	-	.0	-
Homosexuality (302.0)	-	-	-	-	-	-	-	-	-
Bestiality (302.1)	-	-	-	-	-	-	-	-	-
Pedophilia (302.2)	-	-	-	-	-	-	-	-	-
Transvestism (302.3)	-	-	-	-	-	-	-	-	-
Exhibitionism (302.4)	-	-	-	-	-	-	-	-	-
Transsexualism (302.5)	-	-	-	-	-	-	-	-	-
Disorders of psychosexual identity (302.6)	-	-	-	-	-	-	-	-	-
Frigidity and impotence (302.7)	-	-	-	-	-	-	-	-	-
Other (302.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (302.9)	-	-	-	-	-	-	-	-	-
Alcohol dependence syndrome (303)	1.9	3.1	.8	2.5	.6	6.5	1.7	7.6	2.0
Drug dependence (304)	.4	.6	.2	.4	.1	1.8	.5	2.2	.8
Morphine type (304.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Barbiturate type (304.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Cocaine (304.2)	.0	.0	-	.0	-	.0	-	.0	-
Cannabis (304.3)	-	-	-	-	-	-	-	-	-
Amphetamine type and other psychostimulants (304.4)	-	-	-	-	-	-	-	-	-
Hallucinogens (304.5)	-	-	-	-	-	-	-	-	-
Other (304.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Combinations of morphine type drug with any other (304.7)	.0	.0	.0	.0	.0	-	-	-	-
Combinations excluding morphine type drug (304.8)	-	-	-	-	-	-	-	-	-
Unspecified (304.9)	.4	.6	.2	.4	.1	1.7	.5	2.1	.6
Nondependent abuse of drugs (305)	.7	1.2	.3	.9	.3	2.8	.8	3.3	1.0
Alcohol (305.0)	.3	.5	.1	.4	.1	.9	.2	1.0	.2
Tobacco (305.1)	.1	.1	.0	.1	.0	.0	.0	.0	.0
Cannabis (305.2)	.0	.0	-	.0	-	-	-	-	-
Hallucinogens (305.3)	.0	.0	-	.0	-	.0	-	.0	-
Barbiturates and tranquilizers (305.4)	-	-	-	-	-	-	-	-	-
Morphine type (305.5)	.0	.0	.0	.0	.0	.0	-	.0	-
Cocaine type (305.6)	.0	.1	.0	.0	.0	.2	.1	.2	.1
Amphetamine type (305.7)	.0	.0	-	.0	-	-	-	-	-
Antidepressants (305.8)	-	-	-	-	-	-	-	-	-
Other, mixed or unspecified (305.9)	.3	.5	.2	.3	.1	1.6	.5	2.1	.6
Physiological malfunction arising from mental factors (306)	.0	.0	.0	.0	.0	-	.0	-	.0
Musculoskeletal (306.0)	-	-	-	-	-	-	-	-	-
Respiratory (306.1)	.0	-	.0	-	.0	-	-	-	-
Cardiovascular (306.2)	.0	.0	.0	.0	.0	-	-	-	-
Skin (306.3)	-	-	-	-	-	-	-	-	-
Gastrointestinal (306.4)	.0	-	.0	-	.0	-	.0	-	.0
Genitourinary (306.5)	-	-	-	-	-	-	-	-	-
Endocrine (306.6)	-	-	-	-	-	-	-	-	-
Organs of special sense (306.7)	-	-	-	-	-	-	-	-	-
Other (306.8)	-	-	-	-	-	-	-	-	-
Unspecified (306.9)	-	-	-	-	-	-	-	-	-
Special symptoms or syndromes not elsewhere classified (307)	.1	.1	.1	.1	.1	.0	.0	.0	.0
Stammering and stuttering (307.0)	-	-	-	-	-	-	-	-	-
Anorexia nervosa (307.1)	.0	.0	.0	.0	.0	-	.0	-	.0





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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix J]

Cause of death	Number								
	All races		White		All other				
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Meningitis of unspecified cause-Con.									
Chronic meningitis (322.2)	14	9	5	8	4	1	1	1	1
Meningitis, unspecified (322.9)	439	243	196	153	147	90	49	83	48
Encephalitis, myelitis, and encephalomyelitis (323)	255	140	115	110	97	30	18	28	16
Encephalitis following immunization procedures (323.5)	1	—	—	—	—	—	—	—	—
Other (323.8)	1	1	—	1	—	—	—	—	—
Unspecified cause (323.9)	254	139	115	109	97	30	18	28	16
Intracranial and intraspinal abscess (324)	181	114	67	85	59	29	14	28	12
Intracranial abscess (324.0)	145	93	52	69	40	24	12	22	10
Intraspinal abscess (324.1)	8	5	3	4	3	1	—	1	—
Of unspecified site (324.9)	28	16	12	12	16	4	2	3	2
Phlebitis and thrombophlebitis of intracranial venous sinuses (325)	15	6	9	4	6	2	3	2	2
Late effects of intracranial abscess or pyogenic infection (326)	28	18	10	15	6	9	4	3	3
Hereditary and degenerative diseases of the central nervous system (330-337)	24,783	11,602	13,161	10,927	12,504	675	677	576	603
Cerebral degenerations usually manifest in childhood (330)	158	86	72	74	61	12	11	10	8
Leucodystrophy (330.0)	90	51	39	43	33	8	6	8	4
Cerebral lipidoses (330.1)	41	18	23	17	20	1	3	1	2
Other cerebral degenerations in childhood (330.8)	22	13	9	10	7	3	2	1	2
Unspecified (330.9)	5	4	1	4	1	—	—	—	—
Other cerebral degenerations (331)	13,573	5,334	8,239	5,035	7,821	299	418	285	384
Alzheimer's disease (331.0)	12,281	4,732	7,549	4,516	7,215	217	334	193	308
Pick's disease (331.1)	30	16	14	16	14	—	—	—	—
Senile degeneration of brain (331.2)	48	8	40	7	39	1	1	—	1
Communicating hydrocephalus (331.3)	7	4	3	7	3	—	—	—	—
Obstructive hydrocephalus (331.4)	603	333	270	273	221	60	49	52	46
Other cerebral degeneration (331.8)	53	20	33	18	23	4	5	4	4
Unspecified (331.9)	551	221	330	205	301	16	29	15	27
Parkinson's disease (332)	6,397	3,661	2,736	3,494	2,824	167	112	129	87
Paralysis agitans (332.0)	6,395	3,659	2,736	3,492	2,824	167	112	129	87
Secondary Parkinsonism (332.1)	2	2	—	—	—	—	—	—	—
Other extrapyramidal disease and abnormal movement disorders (333)	638	321	317	295	290	26	27	25	25
Other degenerative diseases of the basal ganglia (333.0)	162	95	67	88	60	7	7	8	5
Essential and other specified forms of tremor (333.1)	1	—	1	—	1	—	—	—	—
Myoclonus (333.2)	15	7	8	7	6	—	2	—	2
Tics of organic origin (333.3)	—	—	—	—	—	—	—	—	—
Huntington's chorea (333.4)	391	193	198	177	186	16	12	16	12
Other choreas (333.5)	10	5	5	5	4	—	1	—	1
Idiopathic torsion dystonia (333.6)	12	6	6	5	6	1	—	1	—
Symptomatic torsion dystonia (333.7)	—	—	—	—	—	—	—	—	—
Fragments of torsion dystonia (333.8)	25	5	20	4	17	1	3	1	3
Other and unspecified (333.9)	22	10	12	9	10	1	2	1	2
Spinocerebellar disease (334)	257	136	122	118	116	17	6	16	5
Friedreich's ataxia (334.0)	39	20	19	20	19	—	—	—	—
Hereditary spastic paraplegia (334.1)	6	4	2	3	2	1	—	—	—
Primary cerebellar degeneration (334.2)	18	10	8	10	8	—	—	—	—
Other cerebellar ataxia (334.3)	12	8	4	7	4	1	—	1	—
Other (334.8)	89	39	30	31	26	8	4	8	4
Unspecified (334.9)	113	54	59	47	57	7	2	7	1
Anterior horn cell disease (335)	3,582	1,962	1,620	1,828	1,523	138	97	115	89
Werdnig-Hoffmann disease (335.0)	157	82	75	69	65	13	10	11	9
Spinal muscular atrophy (335.1)	20	10	9	9	9	1	1	—	1
Motor neurone disease (335.2)	3,402	1,868	1,534	1,746	1,448	122	86	104	79
Other (335.8)	—	—	—	—	—	—	—	—	—
Unspecified (335.9)	3	2	1	2	1	—	—	—	—
Other diseases of spinal cord (336)	161	92	69	78	65	16	4	15	4
Syringomyelia and syringobulbia (336.0)	47	30	17	22	17	8	—	8	—
Vascular myelopathies (336.1)	35	18	17	15	16	3	1	3	1
Other myelopathy (336.8)	17	6	11	6	10	—	1	—	1
Unspecified diseases of spinal cord (336.9)	62	38	24	33	22	5	2	4	2
Disorders of the autonomic nervous system (337)	17	11	6	9	4	2	2	1	1
Idiopathic peripheral autonomic neuropathy (337.0)	—	—	—	—	—	—	—	—	—
Unspecified (337.9)	17	11	6	9	4	2	2	1	1
Other disorders of the central nervous system (340-349)	8,599	4,352	4,247	3,468	3,509	886	738	839	678
Multiple sclerosis (340)	1,635	846	989	603	899	43	90	40	84
Other demyelinating diseases of central nervous system (341)	164	69	95	64	88	5	7	5	5
Neuromyelitis optica (341.0)	2	—	2	—	1	—	1	—	1
Schilder's disease (341.1)	8	5	3	5	3	—	—	—	—
Other (341.8)	31	16	15	15	12	1	3	1	2
Unspecified (341.9)	123	48	75	44	72	4	3	4	2
Hemiplegia (342)	152	72	80	59	67	13	13	12	11
Flaccid hemiplegia (342.0)	1	1	—	1	—	—	—	—	—
Spastic hemiplegia (342.1)	1	1	—	—	—	1	—	—	—
Unspecified (342.9)	150	70	80	58	67	12	13	11	11
Infantile cerebral palsy (343)	658	381	298	278	224	82	74	78	63
Diplegic (343.0)	3	1	2	1	1	—	1	—	1
Hemiplegic (343.1)	—	—	—	—	—	—	—	—	—
Quadriplegic (343.2)	33	25	8	22	7	3	1	3	1
Monoplegic (343.3)	—	—	—	—	—	—	—	—	—
Infantile hemiplegia (343.4)	—	—	—	—	—	—	—	—	—
Other (343.8)	—	—	—	—	—	—	—	—	—
Unspecified (343.9)	623	335	288	256	216	79	72	75	61

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Meningitis of unspecified cause—Con.									
Chronic meningitis (322.2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meningitis, unspecified (322.9)	.2	.2	.2	.2	.1	.5	.2	.6	.3
Encephalitis, myelitis, and encephalomyelitis (323)	.1	.1	.1	.1	.1	.2	.1	.2	.1
Encephalitis following immunization procedures (323.5)	—	—	—	—	—	—	—	—	—
Other (323.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified cause (323.9)	.1	.1	.1	.1	.1	.2	.1	.2	.1
Intracranial and intraspinal abscess (324)	.1	.1	.1	.1	.1	.2	.1	.2	.1
Intracranial abscess (324.0)	.1	.1	.1	.1	.0	.1	.1	.2	.1
Intraspinal abscess (324.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Of unspecified site (324.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Phlebitis and thrombophlebitis of intracranial venous sinuses (325)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Late effects of intracranial abscess or pyogenic infection (326)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Hereditary and degenerative diseases of the central nervous system (330-337)	10.1	9.7	10.5	10.8	11.8	3.7	3.4	4.0	3.8
Cerebral degenerations usually manifest in childhood (330)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Leucodystrophy (330.0)	.0	.0	.0	.0	.0	.0	.0	.1	.0
Cerebral lipidoses (330.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other cerebral degenerations in childhood (330.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (330.9)	.0	.0	.0	.0	.0	—	—	—	—
Other cerebral degenerations (331)	5.5	4.5	6.5	5.0	7.4	1.6	2.1	1.8	2.4
Alzheimer's disease (331.0)	5.0	4.0	6.0	4.5	6.8	1.2	1.7	1.3	1.9
Pick's disease (331.1)	.0	.0	.0	.0	.0	—	—	—	—
Senile degeneration of brain (331.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Communicating hydrocephalus (331.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Obstructive hydrocephalus (331.4)	.2	.3	.2	.3	.2	.3	.2	.4	.3
Other cerebral degeneration (331.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (331.9)	.2	.2	.3	.2	.3	.1	.1	.1	.2
Parkinson's disease (332)	2.6	3.1	2.2	3.4	2.5	.9	.6	.9	.5
Paralytic agitans (332.0)	2.6	3.1	2.2	3.4	2.5	.9	.6	.9	.5
Secondary Parkinsonism (332.1)	.0	.0	—	.0	—	—	—	—	—
Other extrapyramidal disease and abnormal movement disorders (333)	.3	.3	.3	.3	.3	.1	.1	.2	.2
Other degenerative diseases of the basal ganglia (333.0)	.1	.1	.1	.1	.1	.0	.0	.0	.0
Essential and other specified forms of tremor (333.1)	.0	—	.0	—	.0	—	—	—	—
Myoclonus (333.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Tics of organic origin (333.3)	—	—	—	—	—	—	—	—	—
Huntington's chorea (333.4)	.2	.2	.2	.2	.2	.1	.1	.1	.1
Other choreas (333.5)	.0	.0	.0	.0	.0	—	.0	—	.0
Idiopathic torsion dystonia (333.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Symptomatic torsion dystonia (333.7)	—	—	—	—	—	—	—	—	—
Fragments of torsion dystonia (333.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other and unspecified (333.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Spinocerebellar disease (334)	.1	.1	.1	.1	.1	.1	.0	.1	.0
Friedreich's ataxia (334.0)	.0	.0	.0	.0	.0	—	—	—	—
Hereditary spastic paraplegia (334.1)	.0	.0	.0	.0	.0	.0	—	—	—
Primary cerebellar degeneration (334.2)	.0	.0	.0	.0	.0	—	—	—	—
Other cerebellar ataxia (334.3)	.0	.0	.0	.0	.0	.0	—	.0	—
Other (334.6)	.0	.0	.0	.0	.0	.0	.0	.1	.0
Unspecified (334.8)	.0	.0	.0	.0	.1	.0	.0	.0	.0
Anterior horn cell disease (335)	1.5	1.6	1.3	1.8	1.4	.7	.5	.8	.6
Werdnig-Hoffmann disease (335.0)	.1	.1	.1	.1	.1	.1	.0	.1	.1
Spinal muscular atrophy (335.1)	.0	.0	.0	.0	.0	.0	.0	—	.0
Motor neurone disease (335.2)	1.4	1.6	1.2	1.7	1.4	.7	.4	.7	.5
Other (335.6)	—	—	—	—	—	—	—	—	—
Unspecified (335.8)	.0	.0	.0	.0	.0	—	—	—	—
Other diseases of spinal cord (336)	.1	.1	.1	.1	.1	.1	.0	.1	.0
Syringomyelia and syringobulbia (336.0)	.0	.0	.0	.0	.0	.0	—	.1	—
Vascular myelopathies (336.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other myelopathy (336.6)	.0	.0	.0	.0	.0	—	.0	—	.0
Unspecified diseases of spinal cord (336.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Disorders of the autonomic nervous system (337)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Idiopathic peripheral autonomic neuropathy (337.0)	—	—	—	—	—	—	—	—	—
Unspecified (337.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other disorders of the central nervous system (340-348)	3.6	3.6	3.4	3.4	3.3	4.8	3.7	5.8	4.3
Multiple sclerosis (340)	.7	.5	.8	.6	.8	.2	.4	.3	.5
Other demyelinating diseases of central nervous system (341)	.1	.1	.1	.1	.1	.0	.0	.0	.0
Neuromyelitis optica (341.0)	.0	—	.0	—	.0	—	.0	—	.0
Schilder's disease (341.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (341.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (341.8)	.1	.0	.1	.0	.1	.0	.0	.0	.0
Hemiplegia (342)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Flaccid hemiplegia (342.0)	.0	.0	—	.0	—	—	—	—	—
Spastic hemiplegia (342.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (342.8)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Infantile cerebral palsy (343)	.3	.3	.2	.3	.2	.4	.4	.5	.4
Diplegic (343.0)	.0	.0	.0	.0	.0	—	.0	—	.0
Hemiplegic (343.1)	—	—	—	—	—	—	—	—	—
Quadriplegic (343.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Monoplegic (343.3)	—	—	—	—	—	—	—	—	—
Infantile hemiplegia (343.4)	—	—	—	—	—	—	—	—	—
Other (343.8)	—	—	—	—	—	—	—	—	—
Unspecified (343.8)	.3	.3	.2	.3	.2	.4	.4	.5	.4















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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
<b>Other disorders of eyelids—Con.</b>									
Ectropion (374.1)	—	—	—	—	—	—	—	—	—
Lagophthalmos (374.2)	—	—	—	—	—	—	—	—	—
Ptosis of eyelid (374.3)	—	—	—	—	—	—	—	—	—
Other disorders affecting eyelid function (374.4)	—	—	—	—	—	—	—	—	—
Degenerative disorders of eyelids and periorcular area (374.5)	—	—	—	—	—	—	—	—	—
Other disorders of eyelid (374.8)	—	—	—	—	—	—	—	—	—
Unspecified (374.9)	—	—	—	—	—	—	—	—	—
<b>Disorders of lacrimal system (375)</b>									
Dacryoadenitis (375.0)	—	—	—	—	—	—	—	—	—
Other disorders of lacrimal gland (375.1)	—	—	—	—	—	—	—	—	—
Epiphora (375.2)	—	—	—	—	—	—	—	—	—
Acute and unspecified inflammation of lacrimal passages (375.3)	—	—	—	—	—	—	—	—	—
Chronic inflammation of lacrimal passages (375.4)	—	—	—	—	—	—	—	—	—
Stenosis and insufficiency of lacrimal passages (375.5)	—	—	—	—	—	—	—	—	—
Other changes of lacrimal passages (375.6)	—	—	—	—	—	—	—	—	—
Other disorders of lacrimal system (375.8)	—	—	—	—	—	—	—	—	—
Unspecified (375.9)	—	—	—	—	—	—	—	—	—
<b>Disorders of the orbit (376)</b>									
Acute inflammation of orbit (376.0)	8	5	3	3	3	2	—	2	—
Chronic inflammatory disorders of orbit (376.1)	6	4	2	2	2	2	—	2	—
Other exophthalmic conditions (376.3)	—	—	—	—	—	—	—	—	—
Deformity of orbit (376.4)	—	—	—	—	—	—	—	—	—
Enophthalmos (376.5)	—	—	—	—	—	—	—	—	—
Retained (old) foreign body following penetrating wound of orbit (376.6)	—	—	—	—	—	—	—	—	—
Other disorders of orbit (376.8)	1	1	—	1	—	—	—	—	—
Unspecified (376.9)	1	—	1	—	1	—	—	—	—
<b>Disorders of optic nerve and visual pathways (377)</b>									
Papilledema (377.0)	1	—	1	—	—	—	1	—	1
Optic atrophy (377.1)	—	—	—	—	—	—	—	—	—
Other disorders of optic disc (377.2)	—	—	—	—	—	—	—	—	—
Optic neuritis (377.3)	1	—	1	—	—	—	1	—	1
Other disorders of optic nerve (377.4)	—	—	—	—	—	—	—	—	—
Disorders of optic chiasm (377.5)	—	—	—	—	—	—	—	—	—
Disorders of other visual pathways (377.6)	—	—	—	—	—	—	—	—	—
Disorders of visual cortex (377.7)	—	—	—	—	—	—	—	—	—
Unspecified (377.9)	—	—	—	—	—	—	—	—	—
<b>Strabismus and other disorders of binocular eye movements (378)</b>									
Convergent concomitant strabismus (378.0)	—	—	—	—	—	—	—	—	—
Divergent concomitant strabismus (378.1)	—	—	—	—	—	—	—	—	—
Intermittent heterotropia (378.2)	—	—	—	—	—	—	—	—	—
Other and unspecified heterotropia (378.3)	—	—	—	—	—	—	—	—	—
Heterophoria (378.4)	—	—	—	—	—	—	—	—	—
Paralytic strabismus (378.5)	—	—	—	—	—	—	—	—	—
Mechanical strabismus (378.6)	—	—	—	—	—	—	—	—	—
Other strabismus (378.7)	—	—	—	—	—	—	—	—	—
Other disorders of binocular eye movements (378.8)	—	—	—	—	—	—	—	—	—
Unspecified (378.9)	—	—	—	—	—	—	—	—	—
<b>Other disorders of eye (379)</b>									
Scleritis and episcleritis (379.0)	—	—	—	—	—	—	—	—	—
Other disorders of sclera (379.1)	—	—	—	—	—	—	—	—	—
Disorders of vitreous body (379.2)	—	—	—	—	—	—	—	—	—
Aphakia and other disorders of lens (379.3)	—	—	—	—	—	—	—	—	—
Anomalies of pupillary function (379.4)	—	—	—	—	—	—	—	—	—
Nystagmus and other irregular eye movements (379.5)	—	—	—	—	—	—	—	—	—
Other disorders of eye and adnexa (379.8)	—	—	—	—	—	—	—	—	—
Unspecified (379.9)	—	—	—	—	—	—	—	—	—
<b>Diseases of the ear and mastoid process (380-389)</b>									
Disorders of external ear (380)	70	34	36	30	28	4	8	4	7
Perichondritis of pinna (380.0)	2	1	1	1	1	—	—	—	—
Infective otitis externa (380.1)	2	1	1	1	1	—	—	—	—
Other otitis externa (380.2)	—	—	—	—	—	—	—	—	—
Noninfective disorders of pinna (380.3)	—	—	—	—	—	—	—	—	—
Impacted cerumen (380.4)	—	—	—	—	—	—	—	—	—
Acquired stenosis of external ear canal (380.5)	—	—	—	—	—	—	—	—	—
Other disorders of external ear (380.8)	—	—	—	—	—	—	—	—	—
Unspecified (380.9)	—	—	—	—	—	—	—	—	—
<b>Nonsuppurative otitis media and Eustachian tube disorders (381)</b>									
Acute nonsuppurative otitis media (381.0)	1	1	—	1	—	—	—	—	—
Chronic serous otitis media (381.1)	1	1	—	1	—	—	—	—	—
Chronic mucoid otitis media (381.2)	—	—	—	—	—	—	—	—	—
Other and unspecified chronic nonsuppurative otitis media (381.3)	—	—	—	—	—	—	—	—	—
Nonsuppurative otitis media, not specified as acute or chronic (381.4)	—	—	—	—	—	—	—	—	—
Eustachian salpingitis (381.5)	—	—	—	—	—	—	—	—	—
Obstruction of Eustachian tube (381.6)	—	—	—	—	—	—	—	—	—
Patulous Eustachian tube (381.7)	—	—	—	—	—	—	—	—	—
Other disorders of Eustachian tube (381.8)	—	—	—	—	—	—	—	—	—
Unspecified Eustachian tube disorder (381.9)	—	—	—	—	—	—	—	—	—
<b>Suppurative and unspecified otitis media (382)</b>									
Acute suppurative otitis media (382.0)	48	26	22	22	15	4	7	4	6
Chronic tubotympanic suppurative otitis media (382.1)	1	1	—	1	—	—	—	—	—
Chronic atticointral suppurative otitis media (382.2)	—	—	—	—	—	—	—	—	—
Unspecified chronic suppurative otitis media (382.3)	1	1	—	1	—	—	—	—	—
Unspecified suppurative otitis media (382.4)	3	—	3	—	2	—	1	—	1
Unspecified otitis media (382.9)	49	24	19	20	13	4	6	4	5
<b>Mastoiditis and related conditions (383)</b>									
Acute mastoiditis (383.0)	11	5	6	5	5	—	1	—	1
Chronic mastoiditis (383.1)	2	2	—	2	—	—	—	—	—
Petrositis (383.2)	1	—	1	—	1	—	—	—	—

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Other disorders of eyelids-Con.									
Ectropion (374.1)	-	-	-	-	-	-	-	-	-
Lagophthalmos (374.2)	-	-	-	-	-	-	-	-	-
Ptoxis of eyelid (374.3)	-	-	-	-	-	-	-	-	-
Other disorders affecting eyelid function (374.4)	-	-	-	-	-	-	-	-	-
Degenerative disorders of eyelids and periorcular area (374.5)	-	-	-	-	-	-	-	-	-
Other disorders of eyelid (374.8)	-	-	-	-	-	-	-	-	-
Unspecified (374.9)	-	-	-	-	-	-	-	-	-
Disorders of lacrimal system (375)									
Dacryocystitis (375.0)	-	-	-	-	-	-	-	-	-
Other disorders of lacrimal gland (375.1)	-	-	-	-	-	-	-	-	-
Ephora (375.2)	-	-	-	-	-	-	-	-	-
Acute and unspecified inflammation of lacrimal passages (375.3)	-	-	-	-	-	-	-	-	-
Chronic inflammation of lacrimal passages (375.4)	-	-	-	-	-	-	-	-	-
Stenosis and insufficiency of lacrimal passages (375.5)	-	-	-	-	-	-	-	-	-
Other changes of lacrimal passages (375.6)	-	-	-	-	-	-	-	-	-
Other disorders of lacrimal system (375.8)	-	-	-	-	-	-	-	-	-
Unspecified (375.9)	-	-	-	-	-	-	-	-	-
Disorders of the orbit (376)	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-
Acute inflammation of orbit (376.0)	.0	.0	.0	.0	.0	.0	-	.0	-
Chronic inflammatory disorders of orbit (376.1)	-	-	-	-	-	-	-	-	-
Other exophthalmic conditions (376.3)	-	-	-	-	-	-	-	-	-
Deformity of orbit (376.4)	-	-	-	-	-	-	-	-	-
Enophthalmos (376.5)	-	-	-	-	-	-	-	-	-
Retained (old) foreign body following penetrating wound of orbit (376.6)	-	-	-	-	-	-	-	-	-
Other disorders of orbit (376.8)	.0	.0	-	.0	-	-	-	-	-
Unspecified (376.9)	.0	-	.0	-	.0	-	-	-	-
Disorders of optic nerve and visual pathways (377)	.0	-	.0	-	-	-	0.0	-	0.0
Papilledema (377.0)	-	-	-	-	-	-	-	-	-
Optic atrophy (377.1)	-	-	-	-	-	-	-	-	-
Other disorders of optic disc (377.2)	-	-	-	-	-	-	-	-	-
Optic neuritis (377.3)	.0	-	.0	-	-	-	.0	-	.0
Other disorders of optic nerve (377.4)	-	-	-	-	-	-	-	-	-
Disorders of optic chiasm (377.5)	-	-	-	-	-	-	-	-	-
Disorders of other visual pathways (377.6)	-	-	-	-	-	-	-	-	-
Disorders of visual cortex (377.7)	-	-	-	-	-	-	-	-	-
Unspecified (377.9)	-	-	-	-	-	-	-	-	-
Strabismus and other disorders of binocular eye movements (378)									
Convergent concomitant strabismus (378.0)	-	-	-	-	-	-	-	-	-
Divergent concomitant strabismus (378.1)	-	-	-	-	-	-	-	-	-
Intermittent heterotropia (378.2)	-	-	-	-	-	-	-	-	-
Other and unspecified heterotropia (378.3)	-	-	-	-	-	-	-	-	-
Heterophoria (378.4)	-	-	-	-	-	-	-	-	-
Paralytic strabismus (378.5)	-	-	-	-	-	-	-	-	-
Mechanical strabismus (378.6)	-	-	-	-	-	-	-	-	-
Other strabismus (378.7)	-	-	-	-	-	-	-	-	-
Other disorders of binocular eye movements (378.8)	-	-	-	-	-	-	-	-	-
Unspecified (378.9)	-	-	-	-	-	-	-	-	-
Other disorders of eye (379)									
Scleritis and episcleritis (379.0)	-	-	-	-	-	-	-	-	-
Other disorders of sclera (379.1)	-	-	-	-	-	-	-	-	-
Disorders of vitreous body (379.2)	-	-	-	-	-	-	-	-	-
Aphakia and other disorders of lens (379.3)	-	-	-	-	-	-	-	-	-
Anomalies of pupillary function (379.4)	-	-	-	-	-	-	-	-	-
Nystagmus and other irregular eye movements (379.5)	-	-	-	-	-	-	-	-	-
Other disorders of eye and adnexa (379.8)	-	-	-	-	-	-	-	-	-
Unspecified (379.9)	-	-	-	-	-	-	-	-	-
Diseases of the ear and mastoid process (380-389)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Disorders of external ear (380)	.0	.0	.0	.0	.0	-	-	-	-
Perichondritis of pinna (380.0)	-	-	-	-	-	-	-	-	-
Infective otitis externa (380.1)	.0	.0	.0	.0	.0	-	-	-	-
Other otitis externa (380.2)	-	-	-	-	-	-	-	-	-
Noninfective disorders of pinna (380.3)	-	-	-	-	-	-	-	-	-
Impacted cerumen (380.4)	-	-	-	-	-	-	-	-	-
Acquired stenosis of external ear canal (380.5)	-	-	-	-	-	-	-	-	-
Other disorders of external ear (380.8)	-	-	-	-	-	-	-	-	-
Unspecified (380.9)	-	-	-	-	-	-	-	-	-
Nonsuppurative otitis media and Eustachian tube disorders (381)	.0	.0	-	.0	-	-	-	-	-
Acute nonsuppurative otitis media (381.0)	.0	.0	-	.0	-	-	-	-	-
Chronic serous otitis media (381.1)	-	-	-	-	-	-	-	-	-
Chronic mucoid otitis media (381.2)	-	-	-	-	-	-	-	-	-
Other and unspecified chronic nonsuppurative otitis media (381.3)	-	-	-	-	-	-	-	-	-
Nonsuppurative otitis media, not specified as acute or chronic (381.4)	-	-	-	-	-	-	-	-	-
Eustachian salpingitis (381.5)	-	-	-	-	-	-	-	-	-
Obstruction of Eustachian tube (381.6)	-	-	-	-	-	-	-	-	-
Patulous Eustachian tube (381.7)	-	-	-	-	-	-	-	-	-
Other disorders of Eustachian tube (381.8)	-	-	-	-	-	-	-	-	-
Unspecified Eustachian tube disorder (381.9)	-	-	-	-	-	-	-	-	-
Suppurative and unspecified otitis media (382)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute suppurative otitis media (382.0)	.0	.0	-	.0	-	-	-	-	-
Chronic tubotympanic suppurative otitis media (382.1)	-	-	-	-	-	-	-	-	-
Chronic attic/central suppurative otitis media (382.2)	-	-	-	-	-	-	-	-	-
Unspecified chronic suppurative otitis media (382.3)	.0	.0	-	.0	-	-	-	-	-
Unspecified suppurative otitis media (382.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified otitis media (382.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Mastoiditis and related conditions (383)	.0	.0	.0	.0	.0	-	-	-	.0
Acute mastoiditis (383.0)	.0	.0	-	.0	-	-	-	-	-
Chronic mastoiditis (383.1)	-	-	-	-	-	-	-	-	-
Petrositis (383.2)	.0	-	.0	-	.0	-	-	-	-

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
<b>Mastoiditis and related conditions-Con.</b>									
Other (383.8)	-	-	-	-	-	-	-	-	-
Unspecified mastoiditis (383.8)	8	3	5	3	4	-	1	-	1
<b>Other disorders of tympanic membrane (384)</b>									
Acute myringitis without mention of otitis media (384.0)	2	-	2	-	2	-	-	-	-
Chronic myringitis without mention of otitis media (384.1)	-	-	-	-	-	-	-	-	-
Perforation of tympanic membrane (384.2)	2	-	2	-	2	-	-	-	-
Other (384.8)	-	-	-	-	-	-	-	-	-
Unspecified (384.9)	-	-	-	-	-	-	-	-	-
<b>Other disorders of middle ear and mastoid (385)</b>									
Tympanosclerosis (385.0)	1	1	-	1	-	-	-	-	-
Adhesive middle ear disease (385.1)	-	-	-	-	-	-	-	-	-
Other acquired abnormality of ear ossicles (385.2)	-	-	-	-	-	-	-	-	-
Cholesteatoma of middle ear and mastoid (385.3)	1	1	-	1	-	-	-	-	-
Other (385.8)	-	-	-	-	-	-	-	-	-
Unspecified (385.9)	-	-	-	-	-	-	-	-	-
<b>Vertiginous syndromes and other disorders of vestibular system (386)</b>									
Meniere's disease (386.0)	2	-	2	-	2	-	-	-	-
Other and unspecified peripheral vertigo (386.1)	1	-	1	-	1	-	-	-	-
Vertigo of central origin (386.2)	-	-	-	-	-	-	-	-	-
Labyrinthitis (386.3)	1	-	1	-	1	-	-	-	-
Labyrinthine fistula (386.4)	-	-	-	-	-	-	-	-	-
Labyrinthine dysfunction (386.5)	-	-	-	-	-	-	-	-	-
Other disorders of labyrinth (386.8)	-	-	-	-	-	-	-	-	-
Unspecified vertiginous syndromes and labyrinthine disorders (386.9)	-	-	-	-	-	-	-	-	-
<b>Otosclerosis (387)</b>									
Otosclerosis involving oval window, nonobliterative (387.0)	-	-	-	-	-	-	-	-	-
Otosclerosis involving oval window, obliterative (387.1)	-	-	-	-	-	-	-	-	-
Cochlear otosclerosis (387.2)	-	-	-	-	-	-	-	-	-
Other (387.8)	-	-	-	-	-	-	-	-	-
Unspecified (387.9)	-	-	-	-	-	-	-	-	-
<b>Other disorders of ear (388)</b>									
Degenerative and vascular disorders of ear (388.0)	1	-	1	-	1	-	-	-	-
Noise effects on inner ear (388.1)	1	-	1	-	1	-	-	-	-
Sudden hearing loss, unspecified (388.2)	-	-	-	-	-	-	-	-	-
Tinnitus (388.3)	-	-	-	-	-	-	-	-	-
Other abnormal auditory perception (388.4)	-	-	-	-	-	-	-	-	-
Disorders of acoustic nerve (388.5)	-	-	-	-	-	-	-	-	-
Otorrhea (388.6)	-	-	-	-	-	-	-	-	-
Otalgia (388.7)	-	-	-	-	-	-	-	-	-
Other (388.8)	-	-	-	-	-	-	-	-	-
Unspecified (388.9)	-	-	-	-	-	-	-	-	-
<b>Deafness (389)</b>									
Conductive deafness (389.0)	2	-	2	-	2	-	-	-	-
Sensorineural deafness (389.1)	-	-	-	-	-	-	-	-	-
Mixed conductive and sensorineural deafness (389.2)	-	-	-	-	-	-	-	-	-
Deaf mutism, not elsewhere classified (389.7)	-	-	-	-	-	-	-	-	-
Other specified forms of deafness (389.8)	-	-	-	-	-	-	-	-	-
Unspecified deafness (389.9)	2	-	2	-	2	-	-	-	-
<b>VII. Diseases of the circulatory system (390-459)</b>									
<b>Acute rheumatic fever (390-392)</b>									
Acute rheumatic fever without mention of heart involvement (390)	76	36	40	29	34	7	6	5	6
Rheumatic fever with heart involvement (391)	19	10	9	8	7	2	2	1	2
Acute rheumatic pericarditis (391.0)	56	25	31	20	27	5	4	4	4
Acute rheumatic endocarditis (391.1)	41	21	20	17	19	4	1	4	1
Acute rheumatic myocarditis (391.2)	7	2	5	1	2	1	3	-	3
Other acute rheumatic heart disease (391.8)	3	1	2	1	2	-	-	-	-
Acute rheumatic heart disease, unspecified (391.9)	5	1	4	1	4	-	-	-	-
Rheumatic chorea (392)	1	1	-	1	-	-	-	-	-
With heart involvement (392.0)	-	-	-	-	-	-	-	-	-
Without mention of heart involvement (392.9)	1	1	-	1	-	-	-	-	-
Chronic rheumatic heart disease (393-398)	6,345	1,909	4,436	1,717	4,094	192	342	149	266
Chronic rheumatic pericarditis (393)	1	-	1	-	-	-	1	-	-
<b>Diseases of mitral valve (394)</b>									
Mitral stenosis (394.0)	2,974	837	2,137	769	1,972	68	185	55	133
Rheumatic mitral insufficiency (394.1)	958	180	778	166	728	14	50	11	40
Mitral stenosis with insufficiency (394.2)	164	55	109	50	100	5	9	2	4
Other and unspecified (394.9)	97	20	77	18	72	2	5	2	4
	1,755	582	1,173	535	1,072	47	101	40	85
<b>Diseases of aortic valve (395)</b>									
Rheumatic aortic stenosis (395.0)	223	113	110	96	102	15	8	10	7
Rheumatic aortic insufficiency (395.1)	100	41	59	38	54	3	5	2	5
Rheumatic aortic stenosis with insufficiency (395.2)	38	26	12	19	11	7	1	4	1
Other and unspecified (395.9)	17	6	11	6	10	-	1	-	-
	68	40	28	35	27	5	1	4	1
Diseases of mitral and aortic valves (396)	1,057	387	670	345	622	42	48	31	40
<b>Diseases of other endocardial structures (397)</b>									
Diseases of tricuspid valve (397.0)	499	139	360	118	326	21	34	18	25
Rheumatic diseases of pulmonary valve (397.1)	124	38	85	28	66	11	19	10	16
Rheumatic diseases of endocardium, valve unspecified (397.9)	2	-	2	-	2	-	-	-	-
	373	100	273	90	258	10	15	8	9

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Mastoiditis and related conditions-Con.									
Other (383.8)	-	-	-	-	-	-	-	-	-
Unspecified mastoiditis (383.9)	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0
Other disorders of tympanic membrane (384)									
Acute myringitis without mention of otitis media (384.0)	.0	-	.0	-	.0	-	-	-	-
Chronic myringitis without mention of otitis media (384.1)	-	-	-	-	-	-	-	-	-
Perforation of tympanic membrane (384.2)	.0	-	.0	-	.0	-	-	-	-
Other (384.8)	-	-	-	-	-	-	-	-	-
Unspecified (384.9)	-	-	-	-	-	-	-	-	-
Other disorders of middle ear and mastoid (385)									
Typanosclerosis (385.0)	.0	.0	-	.0	-	-	-	-	-
Adhesive middle ear disease (385.1)	-	-	-	-	-	-	-	-	-
Other acquired abnormality of ear ossicles (385.2)	-	-	-	-	-	-	-	-	-
Cholesteatoma of middle ear and mastoid (385.3)	.0	.0	-	.0	-	-	-	-	-
Other (385.8)	-	-	-	-	-	-	-	-	-
Unspecified (385.9)	-	-	-	-	-	-	-	-	-
Vertiginous syndromes and other disorders of vestibular system (386)									
Meniere's disease (386.0)	.0	-	.0	-	.0	-	-	-	-
Other and unspecified peripheral vertigo (386.1)	.0	-	.0	-	.0	-	-	-	-
Vertigo of central origin (386.2)	-	-	-	-	-	-	-	-	-
Labyrinthitis (386.3)	.0	-	.0	-	.0	-	-	-	-
Labyrinthine fistula (386.4)	-	-	-	-	-	-	-	-	-
Labyrinthine dysfunction (386.5)	-	-	-	-	-	-	-	-	-
Other disorders of labyrinth (386.8)	-	-	-	-	-	-	-	-	-
Unspecified vertiginous syndromes and labyrinthine disorders (386.9)	-	-	-	-	-	-	-	-	-
Otosclerosis (387)									
Otosclerosis involving oval window, nonobliterative (387.0)	-	-	-	-	-	-	-	-	-
Otosclerosis involving oval window, obliterative (387.1)	-	-	-	-	-	-	-	-	-
Cochlear otosclerosis (387.2)	-	-	-	-	-	-	-	-	-
Other (387.8)	-	-	-	-	-	-	-	-	-
Unspecified (387.9)	-	-	-	-	-	-	-	-	-
Other disorders of ear (388)									
Degenerative and vascular disorders of ear (388.0)	.0	-	.0	-	.0	-	-	-	-
Noise effects on inner ear (388.1)	.0	-	.0	-	.0	-	-	-	-
Sudden hearing loss, unspecified (388.2)	-	-	-	-	-	-	-	-	-
Tinnitus (388.3)	-	-	-	-	-	-	-	-	-
Other abnormal auditory perception (388.4)	-	-	-	-	-	-	-	-	-
Disorders of acoustic nerve (388.5)	-	-	-	-	-	-	-	-	-
Otorrhea (388.6)	-	-	-	-	-	-	-	-	-
Otalgia (388.7)	-	-	-	-	-	-	-	-	-
Other (388.8)	-	-	-	-	-	-	-	-	-
Unspecified (388.9)	-	-	-	-	-	-	-	-	-
Deafness (389)									
Conductive deafness (389.0)	.0	-	.0	-	.0	-	-	-	-
Sensorineural deafness (389.1)	-	-	-	-	-	-	-	-	-
Mixed conductive and sensorineural deafness (389.2)	-	-	-	-	-	-	-	-	-
Deaf mutism, not elsewhere classified (389.7)	-	-	-	-	-	-	-	-	-
Other specified forms of deafness (389.8)	-	-	-	-	-	-	-	-	-
Unspecified deafness (389.9)	.0	-	.0	-	.0	-	-	-	-
VII. Diseases of the circulatory system (390-459)									
Acute rheumatic fever (390-392)	.0	.0	.0	.0	.0	0.0	.0	0.0	.0
Rheumatic fever without mention of heart involvement (390)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Rheumatic fever with heart involvement (391)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute rheumatic pericarditis (391.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute rheumatic endocarditis (391.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute rheumatic myocarditis (391.2)	-	-	-	-	-	-	-	-	-
Other acute rheumatic heart disease (391.8)	.0	.0	.0	.0	.0	-	-	-	-
Acute rheumatic heart disease, unspecified (391.9)	.0	.0	.0	.0	.0	-	-	-	-
Rheumatic chorea (392)	.0	.0	-	.0	-	-	-	-	-
With heart involvement (392.0)	-	-	-	-	-	-	-	-	-
Without mention of heart involvement (392.9)	.0	.0	-	.0	-	-	-	-	-
Chronic rheumatic heart disease (393-398)	2.6	1.6	3.5	1.7	3.8	1.0	1.7	1.0	1.7
Chronic rheumatic pericarditis (393)	.0	-	.0	-	-	-	.0	-	-
Diseases of mitral valve (394)	1.2	.7	1.7	.8	1.9	.4	.8	.4	.8
Mitral stenosis (394.0)	.4	.2	.6	.2	.7	.1	.2	.1	.3
Rheumatic mitral insufficiency (394.1)	.1	.0	.1	.0	.1	.0	.0	.0	.0
Mitral stenosis with insufficiency (394.2)	.0	.0	.1	.0	.1	.0	.0	.0	.0
Other and unspecified (394.9)	.7	.5	.9	.5	1.0	.3	.5	.3	.5
Diseases of aortic valve (395)	.1	.1	.1	.1	.1	.1	.0	.1	.0
Rheumatic aortic stenosis (395.0)	.0	.0	.0	.0	.1	.0	.0	.0	.0
Rheumatic aortic insufficiency (395.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Rheumatic aortic stenosis with insufficiency (395.2)	.0	.0	.0	.0	.0	-	.0	-	-
Other and unspecified (395.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Diseases of mitral and aortic valves (396)	.4	.3	.5	.3	.6	.2	.2	.2	.3
Diseases of other endocardial structures (397)	.2	.1	.3	.1	.3	.1	.2	.1	.2
Diseases of tricuspid valve (397.0)	.1	.0	.1	.0	.1	.1	.1	.1	.1
Rheumatic diseases of pulmonary valve (397.1)	.0	-	.0	-	.0	-	-	-	-
Rheumatic diseases of endocardium, valve unspecified (397.9)	.2	.1	.2	.1	.2	.1	.1	.1	.1







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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total Male	Total Female	Black Male	Black Female
<b>Conduction disorders—Con.</b>									
Other left bundle branch block (428.3)	13	3	10	2	9	1	1	1	1
Right bundle branch block (428.4)	5	4	1	3	1	1	—	1	—
Bundle branch block, unspecified (428.5)	6	5	1	4	1	1	—	1	—
Other heart block (428.6)	6	—	4	2	4	—	—	—	—
Anomalous atrioventricular excitation (426.7)	39	26	13	22	12	4	1	2	—
Other (426.8)	264	131	133	97	105	34	28	32	26
Unspecified (426.9)	166	74	94	67	83	7	11	5	11
<b>Cardiac dysrhythmias (427)</b>									
Paroxysmal supraventricular tachycardia (427.0)	57,132	27,947	29,185	23,428	24,776	4,519	4,409	4,246	4,187
Paroxysmal ventricular tachycardia (427.1)	16	6	10	6	8	2	—	—	2
Paroxysmal tachycardia, unspecified (427.2)	595	350	245	309	188	41	47	38	43
Atrial fibrillation and flutter (427.3)	3	3	—	3	—	—	—	—	—
Ventricular fibrillation and flutter (427.4)	2,865	826	1,739	829	1,612	97	127	83	112
Cardiac arrest (427.5)	1,543	824	819	823	529	101	90	91	88
Premature beats (427.6)	47,500	23,381	24,139	19,419	20,287	3,942	3,952	3,717	3,670
Other (427.8)	123	71	52	55	42	16	10	16	10
Unspecified (427.9)	611	248	363	216	324	32	39	27	37
	4,076	2,058	2,018	1,768	1,776	290	242	274	227
<b>Heart failure (428)</b>									
Congestive heart failure (428.0)	42,940	17,812	25,328	15,570	22,687	2,042	2,661	1,889	2,483
Left heart failure (428.1)	37,371	14,885	22,385	13,287	20,141	1,898	2,245	1,587	2,109
Unspecified (428.9)	215	106	109	97	85	9	14	7	14
	5,354	2,621	2,833	2,186	2,431	335	402	315	360
<b>Ill-defined descriptions and complications of heart disease (429)</b>									
Myocarditis, unspecified (429.0)	76,037	38,198	38,839	31,817	34,216	6,081	5,623	5,853	5,298
Myocardial degeneration (429.1)	682	333	349	258	289	77	60	76	55
Cardiovascular disease, unspecified (429.2)	763	407	356	338	311	69	45	84	40
Cardiomegaly (429.3)	72,827	35,903	37,524	29,551	32,385	5,752	5,159	5,246	4,853
Rupture of chordae tendinae (429.5)	88	588	330	380	243	188	87	181	84
Rupture of papillary muscle (429.6)	14	7	7	7	6	1	—	—	—
Other (429.8)	2	—	2	—	2	—	—	—	—
Unspecified (429.9)	109	63	46	63	43	10	3	10	9
	2,742	1,517	1,225	1,232	987	285	268	276	263
<b>Cerebrovascular diseases (430-438)</b>									
Subarachnoid hemorrhage (430)	150,517	59,759	90,758	50,892	79,393	9,067	11,375	8,098	10,381
Intracerebral hemorrhage (431)	6,781	2,472	4,309	2,068	3,544	404	765	342	845
Other and unspecified intracranial hemorrhage (432)	16,857	6,575	10,282	6,794	8,606	1,781	1,878	1,547	1,488
Nontraumatic extradural hemorrhage (432.0)	2,385	1,161	1,224	693	995	288	229	240	205
Subdural hemorrhage (432.1)	5	1	4	—	3	1	1	1	1
Unspecified intracranial hemorrhage (432.9)	394	208	186	171	153	37	33	34	29
	1,986	952	1,034	722	839	230	195	205	175
<b>Occlusion and stenosis of precerebral arteries (433)</b>									
Basilar artery (433.0)	1,236	652	584	578	542	74	42	88	36
Carotid artery (433.1)	362	205	157	170	142	35	15	33	13
Vertebral artery (433.2)	762	384	378	354	357	30	21	26	20
Multiple and bilateral (433.3)	32	21	11	11	11	2	—	2	—
Other (433.8)	63	34	29	27	25	7	4	7	3
Unspecified (433.9)	9	6	3	6	2	—	1	—	1
	8	2	6	2	5	—	—	—	—
<b>Occlusion of cerebral arteries (434)</b>									
Cerebral thrombosis (434.0)	22,008	8,612	13,394	7,517	11,990	1,085	1,404	898	1,294
Cerebral embolism (434.1)	9,856	3,407	6,449	3,077	5,928	330	523	304	499
Unspecified (434.9)	741	309	432	280	402	29	30	23	26
	11,409	4,896	6,513	4,160	5,662	736	851	661	769
<b>Transient cerebral ischemia (435)</b>									
	372	129	243	119	230	10	19	7	12
<b>Acute but ill-defined cerebrovascular disease (436)</b>									
	82,450	32,036	50,414	27,467	44,268	4,569	6,146	4,140	5,738
<b>Other and ill-defined cerebrovascular diseases (437)</b>									
Cerebral atherosclerosis (437.0)	10,467	3,625	6,842	3,172	6,202	453	640	413	596
Other generalized ischemic cerebrovascular disease (437.1)	5,118	1,607	3,511	1,431	3,276	176	235	164	224
Hypertensive encephalopathy (437.2)	607	258	351	207	305	49	48	43	42
Cerebral aneurysm, nonruptured (437.3)	81	40	41	24	28	16	15	15	14
Cerebral arteritis (437.4)	389	159	232	143	188	13	44	10	41
Moyamoya disease (437.5)	60	21	39	20	31	1	8	1	7
Nonpyogenic thrombosis of intracranial venous sinus (437.6)	14	5	9	2	7	3	2	2	2
Other (437.8)	—	—	—	—	—	—	—	—	—
Unspecified (437.9)	78	36	42	26	34	10	8	9	8
	4,121	1,504	2,617	1,319	2,335	185	282	169	258
<b>Late effects of cerebrovascular diseases (438)</b>									
Diseases of arteries, arterioles, and capillaries (440-446)	5,963	2,497	3,466	2,084	3,006	413	480	353	397
<b>Atherosclerosis (440)</b>									
Of aorta (440.0)	45,271	22,141	23,130	20,262	21,071	1,878	2,059	1,858	1,897
Of renal artery (440.1)	22,086	8,327	13,759	7,529	12,732	798	1,027	739	855
Of arteries of the extremities (440.2)	44	30	14	26	13	2	1	—	1
Of other specified arteries (440.8)	26	14	12	14	10	—	2	—	2
Generalized and unspecified (440.9)	1,018	418	600	366	528	52	72	48	66
	1	1	4	1	3	—	1	—	1
	20,993	7,864	13,129	7,120	12,178	744	951	690	883
<b>Aortic aneurysm (441)</b>									
Dissecting aneurysm, any part (441.0)	15,719	10,429	5,290	9,758	4,770	671	520	545	461
Thoracic aneurysm, ruptured (441.1)	2,871	1,087	1,784	1,488	1,019	201	165	174	144
Thoracic aneurysm without mention of rupture (441.2)	1,217	647	570	593	509	64	61	50	52
Abdominal aneurysm, ruptured (441.3)	529	272	257	248	220	24	37	23	33
Abdominal aneurysm without mention of rupture (441.4)	6,514	4,784	1,730	4,590	1,929	184	101	154	82
Aortic aneurysm of unspecified site, ruptured (441.5)	1,683	1,173	510	1,115	473	58	37	47	35
Aortic aneurysm of unspecified site without mention of rupture (441.6)	2,262	1,464	788	1,364	707	100	81	77	70
	653	402	251	372	213	30	38	20	35
<b>Other aneurysm (442)</b>									
Of artery of upper extremity (442.0)	675	420	255	372	209	48	46	42	41
Of renal artery (442.1)	—	—	—	—	—	—	—	—	—
Of iliac artery (442.2)	31	16	15	16	9	—	6	—	4
Of artery of lower extremity (442.3)	170	137	33	115	27	22	6	19	6
	41	27	14	24	10	3	4	3	4



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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Other aneurysm-Con.									
Of other specified artery (442.0)	103	48	55	42	48	8	7	4	5
Of unspecified site (442.9)	330	192	138	175	115	17	23	16	22
Other peripheral vascular disease (443)	3,240	1,462	1,778	1,247	1,511	215	267	202	259
Raynaud's syndrome (443.0)	18	5	13	5	12	-	-	-	-
Thromboangiitis obliterans (Buerger's disease) (443.1)	18	16	2	11	2	5	-	5	-
Other (443.8)	22	9	13	9	12	-	1	-	1
Unspecified (443.9)	3,182	1,432	1,750	1,222	1,485	210	265	197	257
Arterial embolism and thrombosis (444)	1,468	571	897	524	841	47	56	48	52
Of abdominal aorta (444.0)	118	44	74	42	71	2	3	2	2
Of other aorta (444.1)	302	122	180	107	171	15	9	15	8
Of arteries of the extremities (444.2)	595	208	387	191	360	17	27	17	28
Of other specified artery (444.8)	121	46	75	41	70	5	5	5	5
Of unspecified artery (444.9)	332	151	181	143	169	8	12	7	11
Polyarteritis nodosa and allied conditions (446)	743	276	467	239	392	37	75	32	71
Polyarteritis nodosa (446.0)	129	61	68	56	62	5	6	2	6
Acute febrile mucocutaneous lymphnode syndrome (MCLS) (446.1)	3	1	2	1	1	-	1	-	-
Hypersensitivity angitis (446.2)	107	38	69	33	57	5	12	-	11
Lethal midline granuloma (446.3)	1	-	-	-	-	-	-	-	-
Wegener's granulomatosis (446.4)	150	80	70	77	70	3	-	2	-
Giant cell arteritis (446.5)	113	23	80	23	89	-	1	-	1
Thrombotic microangiopathy (446.6)	230	71	159	47	107	24	52	23	51
Takayasu disease (446.7)	10	1	9	1	6	-	3	-	2
Other disorders of arteries and arterioles (447)	1,292	641	651	578	587	63	64	52	54
Arteriovenous fistula, acquired (447.0)	7	-	4	1	2	2	2	2	2
Stricture of artery (447.1)	193	66	67	58	54	10	13	8	12
Rupture of artery (447.2)	249	178	71	169	64	15	7	13	6
Hyperplasia of renal artery (447.3)	-	-	-	-	-	-	-	-	-
Colliac artery compression syndrome (447.4)	2	-	2	-	-	-	-	-	-
Necrosis of artery (447.5)	-	-	-	-	-	-	-	-	-
Arteritis, unspecified (447.6)	508	172	336	158	308	14	28	11	21
Other (447.8)	19	12	7	7	7	2	-	-	-
Unspecified (447.9)	374	210	164	190	150	20	14	18	13
Diseases of capillaries (448)	48	15	33	15	28	-	4	-	4
Hereditary hemorrhagic telangiectasia (448.0)	31	10	21	10	19	-	2	-	2
Nevus, non-neoplastic (448.1)	1	1	-	1	-	-	-	-	-
Other and unspecified (448.8)	16	4	12	4	10	-	2	-	2
Diseases of veins and lymphatics, and other diseases of circulatory system (451-459)	4,569	2,282	2,307	1,852	1,935	410	372	384	351
Phlebitis and thrombophlebitis (451)	1,463	659	804	553	690	106	114	103	111
Of superficial vessels of lower extremities (451.0)	4	3	1	3	1	-	-	-	-
Of deep vessels of lower extremities (451.1)	531	248	283	188	231	50	52	50	52
Of lower extremities, unspecified (451.2)	483	222	261	183	230	39	31	38	28
Of other sites (451.8)	38	10	28	8	22	1	4	1	3
Of unspecified site (451.9)	409	176	233	180	208	16	27	14	27
Portal vein thrombosis (452)	34	16	18	15	15	1	3	1	2
Other venous embolism and thrombosis (453)	391	178	213	148	190	30	23	29	23
Budd-Chiari syndrome (453.0)	37	13	24	12	22	1	2	1	2
Thrombophlebitis migrans (453.1)	-	-	-	-	-	-	-	-	-
Of vena cava (453.2)	46	18	28	15	24	3	4	2	4
Of renal vein (453.3)	16	8	8	8	7	2	1	1	1
Of other specified veins (453.8)	188	93	95	76	85	17	10	17	10
Of unspecified site (453.9)	104	46	58	39	52	7	6	7	6
Varicose veins of lower extremities (454)	177	88	89	67	74	21	15	18	14
With ulcer (454.0)	52	14	38	10	29	4	9	4	8
With inflammation (454.1)	13	7	6	5	6	2	-	2	-
With ulcer and inflammation (454.2)	8	3	5	3	5	-	-	-	-
Without mention of ulcer or inflammation (454.9)	104	64	40	49	34	15	6	12	6
Hemorrhoids (455)	11	9	2	8	2	1	-	-	-
Internal hemorrhoids without mention of complication (455.0)	2	1	1	1	1	-	-	-	-
Internal thrombosed hemorrhoids (455.1)	-	-	-	-	-	-	-	-	-
Internal hemorrhoids with other complication (455.2)	-	-	-	-	-	-	-	-	-
External hemorrhoids without mention of complication (455.3)	-	-	-	-	-	-	-	-	-
External thrombosed hemorrhoids (455.4)	1	1	-	1	-	-	-	-	-
External hemorrhoids with other complication (455.5)	-	-	-	-	-	-	-	-	-
Unspecified hemorrhoids without mention of complication (455.6)	2	1	1	1	1	-	-	-	-
Unspecified thrombosed hemorrhoids (455.7)	-	-	-	-	-	-	-	-	-
Unspecified hemorrhoids with other complication (455.8)	4	4	-	3	-	1	-	-	-
Residual hemorrhoidal skin tags (455.9)	2	2	-	2	-	-	-	-	-
Varicose veins of other sites (456)	410	309	109	250	88	59	19	58	12
Esophageal varices with bleeding (456.0)	358	266	92	215	82	51	10	50	9
Esophageal varices without mention of bleeding (456.1)	32	23	9	15	7	8	2	8	2
Sublingual varices (456.3)	-	-	-	-	-	-	-	-	-
Scrotal varices (456.4)	-	-	-	-	-	-	-	-	-
Palvic varices (456.5)	-	-	-	-	-	-	-	-	-
Valvular varices (456.6)	-	-	-	-	-	-	-	-	-
Other (456.8)	28	20	8	20	7	-	1	-	1
Noninfective disorders of lymphatic channels (457)	31	15	16	8	14	7	2	7	1
Other lymphedema (457.1)	16	8	8	4	8	4	-	4	-
Lymphangitis (457.2)	3	2	1	1	1	1	-	1	-
Other noninfective disorders of lymphatic channels (457.8)	12	5	7	3	5	2	2	2	1
Unspecified (457.9)	-	-	-	-	-	-	-	-	-
Hypotension (458)	1,127	548	579	433	457	115	122	104	116
Orthostatic hypotension (458.0)	22	12	10	10	9	2	1	2	1
Chronic hypotension (458.1)	-	-	-	-	-	-	-	-	-
Unspecified (458.9)	1,105	536	569	423	448	113	121	102	115

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Other aneurysm-Con.									
Of other specified artery (442.6)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Of unspecified site (442.9)	.1	.2	.1	.2	.1	.1	.1	.1	.1
Other peripheral vascular disease (443)	1.3	1.2	1.4	1.2	1.4	1.2	1.3	1.4	1.6
Raynaud's syndrome (443.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Thromboangiitis obliterans (Buerger's disease) (443.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (443.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (443.9)	1.3	1.2	1.4	1.2	1.4	1.1	1.3	1.4	1.6
Arterial embolism and thrombosis (444)	.6	.5	.7	.5	.8	.3	.3	.3	.3
Of abdominal aorta (444.0)	.0	.0	.1	.0	.1	.0	.0	.0	.0
Of other aorta (444.1)	.1	.1	.1	.1	.2	.1	.1	.1	.1
Of arteries of the extremities (444.2)	.2	.2	.3	.2	.3	.1	.1	.1	.2
Of other specified artery (444.6)	.0	.0	.1	.0	.1	.0	.0	.0	.0
Of unspecified artery (444.9)	.1	.1	.1	.1	.2	.0	.1	.0	.1
Polyarteritis nodosa and allied conditions (446)	.3	.2	.4	.2	.4	.2	.4	.2	.4
Polyarteritis nodosa (446.0)	.1	.1	.1	.1	.1	.0	.0	.0	.0
Acute febrile mucocutaneous lymph node syndrome (MCLS) (446.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Hypersensitivity angitis (446.2)	.0	.0	.1	.0	.1	.0	.1	.0	.1
Lethal midline granuloma (446.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Wegener's granulomatosis (446.4)	.1	.1	.1	.1	.1	.0	.0	.0	.0
Giant cell arteritis (446.5)	.0	.0	.1	.0	.1	.0	.0	.0	.0
Thrombotic microangiopathy (446.6)	.1	.1	.1	.0	.1	.1	.3	.2	.3
Takayasu disease (446.7)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other disorders of arteries and arterioles (447)	.5	.5	.5	.5	.6	.3	.3	.4	.3
Arteriovenous fistula, acquired (447.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Stricture of artery (447.1)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Rupture of artery (447.2)	.1	.1	.1	.2	.1	.1	.0	.1	.0
Hypoplasia of renal artery (447.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Celiac artery compression syndrome (447.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Necrosis of artery (447.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Arteritis, unspecified (447.6)	.2	.1	.3	.2	.3	.1	.1	.1	.1
Other (447.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (447.9)	.2	.2	.1	.2	.1	.1	.1	.1	.1
Diseases of capillaries (448)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Hereditary hemorrhagic telangiectasia (448.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nevus, non-neoplastic (448.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other and unspecified (448.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Diseases of veins and lymphatics, and other diseases of circulatory system (451-459)	1.9	1.9	1.8	1.8	1.8	2.2	1.9	2.7	2.2
Phlebitis and thrombophlebitis (451)	.6	.6	.6	.5	.7	.6	.6	.7	.7
Of superficial vessels of lower extremities (451.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Of deep vessels of lower extremities (451.1)	.2	.2	.2	.2	.2	.3	.3	.3	.3
Of lower extremities, unspecified (451.2)	.2	.2	.2	.2	.2	.2	.2	.2	.2
Of other sites (451.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Of unspecified site (451.9)	.2	.1	.2	.2	.2	.1	.1	.1	.2
Portal vein thrombosis (452)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other venous embolism and thrombosis (453)	.2	.1	.2	.1	.2	.2	.1	.2	.1
Budd-Chiari syndrome (453.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Thrombophlebitis migrans (453.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Of vena cava (453.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Of renal vein (453.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Of other specified veins (453.6)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Of unspecified site (453.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Varicose veins of lower extremities (454)	.1	.1	.1	.1	.1	.1	.1	.1	.1
With ulcer (454.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
With inflammation (454.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
With ulcer and inflammation (454.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Without mention of ulcer or inflammation (454.9)	.0	.1	.0	.0	.0	.1	.0	.1	.0
Hemorrhoids (455)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Internal hemorrhoids without mention of complication (455.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Internal thrombosed hemorrhoids (455.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Internal hemorrhoids with other complication (455.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
External hemorrhoids without mention of complication (455.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
External thrombosed hemorrhoids (455.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
External hemorrhoids with other complication (455.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified thrombosed hemorrhoids (455.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified hemorrhoids without mention of complication (455.7)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified thrombosed hemorrhoids (455.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Residual hemorrhoidal skin tags (455.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Varicose veins of other sites (456)	.2	.3	.1	.2	.1	.3	.1	.4	.1
Esophageal varices with bleeding (456.0)	.1	.2	.1	.2	.1	.3	.0	.3	.1
Esophageal varices without mention of bleeding (456.1)	.0	.0	.0	.0	.0	.0	.0	.1	.0
Sublingual varices (456.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Scrotal varices (456.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Pelvic varices (456.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Vulval varices (456.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (456.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Noninfective disorders of lymphatic channels (457)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other lymphedema (457.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lymphangitis (457.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other noninfective disorders of lymphatic channels (457.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (457.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Hypotension (458)	.5	.5	.5	.4	.4	.6	.6	.7	.7
Orthostatic hypotension (458.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Chronic hypotension (458.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (458.9)	.4	.4	.5	.4	.4	.6	.6	.7	.7

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Diseases of veins and lymphatics, and other diseases of circulatory system—Con.									
Other disorders of circulatory system (459) .....	817	440	477	370	397	70	80	64	72
Hemorrhage, unspecified (459.0) .....	457	242	215	197	173	45	42	41	36
Post-phlebotic syndrome (459.1) .....	—	—	—	—	—	—	—	—	—
Compression of vein (459.2) .....	35	17	18	14	13	3	5	3	5
Other (459.8) .....	37	9	28	8	21	1	7	1	6
Unspecified (459.9) .....	388	172	216	151	180	21	28	19	25
VIII. Diseases of the respiratory system (460-519)									
Acute respiratory infections (460-466) .....	949	415	534	346	478	69	56	65	46
Acute nasopharyngitis (common cold) (460) .....	6	3	3	1	2	2	1	2	1
Acute sinusitis (461) .....	10	7	3	6	3	1	—	1	—
Maxillary (461.0) .....	—	—	—	—	—	—	—	—	—
Frontal (461.1) .....	—	—	—	—	—	—	—	—	—
Ethmoidal (461.2) .....	1	1	—	—	—	1	—	1	—
Sphenoidal (461.3) .....	—	—	—	—	—	—	—	—	—
Other (461.8) .....	1	—	1	—	1	—	—	—	—
Unspecified (461.9) .....	8	6	2	6	2	—	—	—	—
Acute pharyngitis (462) .....	17	8	9	4	8	4	1	4	—
Acute tonsillitis (463) .....	1	1	—	1	—	—	—	—	—
Acute laryngitis and tracheitis (464) .....	90	55	35	36	27	19	8	18	7
Acute laryngitis (464.0) .....	10	5	5	5	2	—	3	5	3
Acute tracheitis (464.1) .....	20	12	8	6	7	4	1	3	1
Acute laryngotracheitis (464.2) .....	4	2	2	1	2	1	—	1	—
Acute epiglottitis (464.3) .....	54	35	19	21	16	14	3	14	3
Croup (464.4) .....	2	1	1	1	—	—	1	—	—
Acute upper respiratory infections of multiple or unspecified sites (465) .....	190	60	130	52	120	8	10	8	8
Acute laryngopharyngitis (465.0) .....	—	—	—	—	—	—	—	—	—
Other multiple sites (465.8) .....	—	—	—	—	—	—	—	—	—
Unspecified site (465.9) .....	190	60	130	52	120	8	10	8	8
Acute bronchitis and bronchiolitis (466) .....	695	281	354	246	318	35	36	32	30
Acute bronchitis (466.0) .....	543	234	309	215	263	19	26	18	22
Acute bronchiolitis (466.1) .....	92	47	45	31	35	16	10	14	8
Other diseases of upper respiratory tract (470-478) .....	320	168	152	136	123	32	29	29	28
Deflected nasal septum (470) .....	—	—	—	—	—	—	—	—	—
Nasal polyps (471) .....	1	—	1	—	1	—	—	—	—
Polyp of nasal cavity (471.0) .....	—	—	—	—	—	—	—	—	—
Polypoid sinus degeneration (471.1) .....	—	—	—	—	—	—	—	—	—
Other polyp of sinus (471.8) .....	—	—	—	—	—	—	—	—	—
Unspecified (471.9) .....	1	—	1	—	1	—	—	—	—
Chronic pharyngitis and nasopharyngitis (472) .....	2	1	1	1	—	—	1	—	1
Chronic rhinitis (472.0) .....	1	1	—	1	—	—	—	—	—
Chronic pharyngitis (472.1) .....	1	—	1	—	—	—	1	—	1
Chronic nasopharyngitis (472.2) .....	—	—	—	—	—	—	—	—	—
Chronic sinusitis (473) .....	78	50	28	41	21	9	7	9	7
Maxillary (473.0) .....	9	6	3	5	3	1	—	1	—
Frontal (473.1) .....	2	1	1	—	1	1	—	1	—
Ethmoidal (473.2) .....	2	1	1	1	1	—	—	—	—
Sphenoidal (473.3) .....	4	3	1	2	1	1	—	1	—
Other (473.8) .....	10	7	3	6	2	1	1	1	1
Unspecified (473.9) .....	51	32	19	27	13	5	6	5	6
Chronic disease of tonsils and adenoids (474) .....	4	3	1	3	1	—	—	—	—
Chronic tonsillitis (474.0) .....	—	—	—	—	—	—	—	—	—
Hypertrophy of tonsils and adenoids (474.1) .....	1	1	—	1	—	—	—	—	—
Adenoid vegetations (474.2) .....	—	—	—	—	—	—	—	—	—
Other chronic disease of tonsils and adenoids (474.8) .....	2	1	1	1	1	—	—	—	—
Unspecified (474.9) .....	1	1	—	1	—	—	—	—	—
Peritonsillar abscess (475) .....	31	11	20	6	19	3	1	2	1
Chronic laryngitis and laryngotracheitis (476) .....	5	2	3	2	2	—	1	—	1
Chronic laryngitis (476.0) .....	1	—	1	—	1	—	—	—	—
Chronic laryngotracheitis (476.1) .....	4	2	2	2	1	—	1	—	1
Allergic rhinitis (477) .....	2	1	1	1	1	—	—	—	—
Due to pollen (477.0) .....	—	—	—	—	—	—	—	—	—
Due to other allergen (477.8) .....	—	—	—	—	—	—	—	—	—
Cause unspecified (477.9) .....	2	1	1	1	1	—	—	—	—
Other diseases of upper respiratory tract (478) .....	197	100	97	80	78	20	19	18	18
Hypertrophy of nasal turbinates (478.0) .....	—	—	—	—	—	—	—	—	—
Other diseases of nasal cavity and sinuses (478.1) .....	2	—	2	—	1	—	1	—	1
Other diseases of pharynx, not elsewhere classified (478.2) .....	62	33	29	28	25	5	4	4	4
Paralysis of vocal cords or larynx (478.3) .....	31	11	20	9	16	2	4	2	4
Polyp of vocal cord or larynx (478.4) .....	—	—	—	—	—	—	—	—	—
Other diseases of vocal cords (478.5) .....	1	1	—	1	—	—	—	—	—
Edema of larynx (478.6) .....	19	8	11	7	8	1	3	1	3
Other diseases of larynx, not elsewhere classified (478.7) .....	65	39	26	28	19	11	7	10	6
Upper respiratory tract hypersensitivity reaction, site unspecified (478.8) .....	—	—	—	—	—	—	—	—	—
Other and unspecified diseases of upper respiratory tract (478.9) .....	17	8	9	7	9	1	—	1	—

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix J]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Diseases of veins and lymphatics, and other diseases of circulatory system-Con.									
Other disorders of circulatory system (459) .....	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5
Hemorrhage, unspecified (459.0) .....	.2	.2	.2	.2	.2	.2	.2	.3	.2
Post-phlebotic syndrome (459.1) .....	-	-	-	-	-	-	-	-	-
Compression of vein (459.2) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (459.8) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (459.9) .....	.2	.1	.2	.1	.2	.1	.1	.1	.2
VIII. Diseases of the respiratory system (460-519)									
Acute respiratory infections (460-468) .....	.4	.3	.4	.3	.5	.4	.3	.5	.3
Acute nasopharyngitis (common cold) (460) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute sinusitis (461) .....	.0	.0	.0	.0	.0	.0	-	.0	-
Maxillary (461.0) .....	-	-	-	-	-	-	-	-	-
Frontal (461.1) .....	-	-	-	-	-	-	-	-	-
Ethmoidal (461.2) .....	.0	.0	-	-	-	.0	-	.0	-
Sphenoidal (461.3) .....	-	-	-	-	-	-	-	-	-
Other (461.8) .....	.0	-	.0	-	.0	-	-	-	-
Unspecified (461.9) .....	.0	.0	.0	.0	.0	-	-	-	-
Acute pharyngitis (462) .....	.0	.0	.0	.0	.0	.0	.0	.0	-
Acute tonsillitis (463) .....	.0	.0	-	.0	-	-	-	-	-
Acute laryngitis and tracheitis (464) .....	.0	.0	.0	.0	.0	.1	.0	.1	.0
Acute laryngitis (464.0) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute tracheitis (464.1) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute laryngotracheitis (464.2) .....	.0	.0	.0	.0	.0	.0	.0	.0	-
Acute epiglottitis (464.3) .....	.0	.0	.0	.0	.0	.1	.0	.1	.0
Croup (464.4) .....	.0	.0	.0	.0	.0	.0	.0	-	-
Acute upper respiratory infections of multiple or unspecified sites (465) .....	.1	.1	.1	.1	.1	.0	.0	.1	.1
Acute laryngopharyngitis (465.0) .....	-	-	-	-	-	-	-	-	-
Other multiple sites (465.8) .....	-	-	-	-	-	-	-	-	-
Unspecified site (465.9) .....	.1	.1	.1	.1	.1	.0	.0	.1	.1
Acute bronchitis and bronchiolitis (466) .....	.3	.2	.3	.2	.3	.2	.2	.2	.2
Acute bronchitis (466.0) .....	.2	.2	.2	.2	.3	.1	.1	.1	.1
Acute bronchiolitis (466.1) .....	.0	.0	.0	.0	.0	.1	.0	.1	.1
Other diseases of upper respiratory tract (470-478) .....	.1	.1	.1	.1	.1	.2	.1	.2	.2
Deviated nasal septum (470) .....	-	-	-	-	-	-	-	-	-
Nasal polyps (471) .....	.0	-	.0	-	.0	-	-	-	-
Polyp of nasal cavity (471.0) .....	-	-	-	-	-	-	-	-	-
Polypoid sinus degeneration (471.1) .....	-	-	-	-	-	-	-	-	-
Other polyp of sinus (471.8) .....	-	-	-	-	-	-	-	-	-
Unspecified (471.9) .....	.0	-	.0	-	.0	-	-	-	-
Chronic pharyngitis and nasopharyngitis (472) .....	.0	.0	.0	.0	-	-	.0	-	.0
Chronic rhinitis (472.0) .....	.0	.0	-	.0	-	-	-	-	-
Chronic pharyngitis (472.1) .....	.0	-	.0	-	-	-	.0	-	.0
Chronic nasopharyngitis (472.2) .....	-	-	-	-	-	-	-	-	-
Chronic sinusitis (473) .....	.0	.0	.0	.0	.0	.0	.0	.1	.0
Maxillary (473.0) .....	.0	.0	.0	.0	.0	.0	-	.0	-
Frontal (473.1) .....	.0	.0	.0	.0	.0	.0	-	.0	-
Ethmoidal (473.2) .....	.0	.0	.0	.0	.0	.0	-	-	-
Sphenoidal (473.3) .....	.0	.0	.0	.0	.0	.0	-	.0	-
Other (473.8) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (473.9) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Chronic disease of tonsils and adenoids (474) .....	.0	.0	.0	.0	.0	-	-	-	-
Chronic tonsillitis (474.0) .....	-	-	-	-	-	-	-	-	-
Hypertrophy of tonsils and adenoids (474.1) .....	.0	.0	-	.0	-	-	-	-	-
Adenoid vegetations (474.2) .....	-	-	-	-	-	-	-	-	-
Other chronic disease of tonsils and adenoids (474.6) .....	.0	.0	.0	.0	.0	-	-	-	-
Unspecified (474.8) .....	.0	.0	-	.0	-	-	-	-	-
Peritonsillar abscess (475) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Chronic laryngitis and laryngotracheitis (476) .....	.0	.0	.0	.0	.0	-	.0	-	.0
Chronic laryngitis (476.0) .....	.0	-	.0	-	.0	-	-	-	-
Chronic laryngotracheitis (476.1) .....	.0	.0	.0	.0	.0	-	.0	-	.0
Allergic rhinitis (477) .....	.0	.0	.0	.0	.0	-	-	-	-
Due to pollen (477.0) .....	-	-	-	-	-	-	-	-	-
Due to other allergen (477.8) .....	-	-	-	-	-	-	-	-	-
Cause unspecified (477.9) .....	.0	.0	.0	.0	.0	-	-	-	-
Other diseases of upper respiratory tract (478) .....	.1	.1	.1	.1	.1	.1	.1	.1	.1
Hypertrophy of nasal turbinates (478.0) .....	-	-	-	-	-	-	-	-	-
Other diseases of nasal cavity and sinuses (478.1) .....	.0	-	.0	-	.0	-	.0	-	.0
Other diseases of pharynx, not elsewhere classified (478.2) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Paralysis of vocal cords or larynx (478.3) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Polyp of vocal cord or larynx (478.4) .....	-	-	-	-	-	-	-	-	-
Other diseases of vocal cords (478.5) .....	.0	.0	-	.0	-	-	-	-	-
Edema of larynx (478.6) .....	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other diseases of larynx, not elsewhere classified (478.7) .....	.0	.0	.0	.0	.0	.1	.0	.1	.0
Upper respiratory tract hypersensitivity reaction, site unspecified (478.8) .....	-	-	-	-	-	-	-	-	-
Other and unspecified diseases of upper respiratory tract (478.9) .....	.0	.0	.0	.0	.0	.0	-	.0	-



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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Pneumonia and influenza (480-487) .....	77,862	38,834	40,828	32,262	37,308	4,572	3,520	4,047	3,144
Viral pneumonia (480) .....	882	308	374	268	337	40	37	30	29
Pneumonia due to adenovirus (480.0) .....	1	1	—	1	—	—	—	—	—
Pneumonia due to respiratory syncytial virus (480.1) .....	17	9	8	8	7	1	1	1	—
Pneumonia due to parainfluenza virus (480.2) .....	2	2	—	1	—	1	—	—	—
Pneumonia due to other virus, not elsewhere classified (480.8) .....	3	1	2	1	1	—	1	—	—
Viral pneumonia, unspecified (480.9) .....	659	295	364	257	329	38	35	28	29
Pneumococcal pneumonia (481) .....	2,726	1,365	1,361	1,063	1,168	302	193	274	172
Other bacterial pneumonia (482) .....	3,373	1,860	1,513	1,578	1,326	282	187	246	158
Pneumonia due to Klebsiella pneumoniae (482.0) .....	331	203	128	158	107	45	21	38	16
Pneumonia due to Pseudomonas (482.1) .....	596	369	227	317	201	52	28	43	22
Pneumonia due to Hemophilus influenzae (H. influenzae) (482.2) .....	107	50	57	43	49	7	6	6	6
Pneumonia due to Streptococcus (482.3) .....	291	157	134	119	111	38	23	33	18
Pneumonia due to Staphylococcus (482.4) .....	761	408	353	362	309	46	44	40	42
Pneumonia due to other specified bacteria (482.8) .....	302	192	110	164	95	28	15	26	12
Bacterial pneumonia, unspecified (482.9) .....	885	481	504	415	454	66	50	60	42
Pneumonia due to other specified organism (483) .....	127	71	56	61	48	10	8	9	8
Bronchopneumonia, organism unspecified (485) .....	7,728	3,755	3,973	3,140	3,583	607	390	562	352
Pneumonia, organism unspecified (486) .....	61,083	28,802	32,281	25,504	29,621	3,298	2,660	2,898	2,384
Influenza (487) .....	1,943	673	1,270	640	1,225	33	45	28	41
With pneumonia (487.0) .....	884	323	561	310	545	13	16	13	16
With other respiratory manifestations (487.1) .....	1,025	334	691	315	664	19	27	14	24
With other manifestations (487.8) .....	34	16	18	15	16	1	2	1	2
Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	82,853	48,939	33,914	44,827	31,848	4,112	2,068	3,644	1,892
Bronchitis, not specified as acute or chronic (490) .....	857	273	384	239	382	34	22	28	19
Chronic bronchitis (491) .....	3,063	1,719	1,344	1,611	1,279	108	65	93	53
Simple chronic bronchitis (491.0) .....	83	51	32	51	32	—	—	—	—
Mucopurulent chronic bronchitis (491.1) .....	98	20	16	19	15	1	1	1	—
Obstructive chronic bronchitis (491.2) .....	2,178	1,255	923	1,179	891	76	32	69	27
Other chronic bronchitis (491.8) .....	62	28	34	25	23	3	11	3	9
Unspecified (491.9) .....	704	365	339	337	318	28	21	20	17
Emphysema (492) .....	15,513	9,686	5,827	8,953	5,638	733	191	648	168
Asthma (493) .....	4,897	1,822	2,775	1,299	2,174	523	601	460	552
Extrinsic asthma (493.0) .....	38	17	21	12	15	5	6	5	4
Intrinsic asthma (493.1) .....	19	5	14	3	12	2	2	2	1
Asthma, unspecified (493.9) .....	4,840	1,800	2,740	1,284	2,147	516	593	453	547
Bronchiectasis (494) .....	867	339	546	294	510	45	38	29	16
Extrinsic allergic alveolitis (495) .....	14	9	5	9	4	—	1	—	1
Farmers' lung (495.0) .....	6	5	1	5	1	—	—	—	—
Bagassosis (495.1) .....	—	—	—	—	—	—	—	—	—
Bird fanciers' lung (495.2) .....	—	—	—	—	—	—	—	—	—
Suberosis (495.3) .....	—	—	—	—	—	—	—	—	—
Maltworkers' lung (495.4) .....	—	—	—	—	—	—	—	—	—
Mushroom-workers' lung (495.5) .....	—	—	—	—	—	—	—	—	—
Maple-bark-strippers' lung (495.6) .....	—	—	—	—	—	—	—	—	—
"Ventilation" pneumonitis (495.7) .....	—	—	—	—	—	—	—	—	—
Other allergic pneumonitis (495.8) .....	—	—	—	—	—	—	—	—	—
Unspecified allergic alveolitis (495.9) .....	8	4	4	4	3	—	1	—	1
Chronic airways obstruction, not elsewhere classified (496) .....	58,122	35,091	23,031	32,422	21,881	2,669	1,150	2,386	1,023
Pneumoconioses and other lung diseases due to external agents (500-508) .....	9,032	5,167	3,885	4,520	3,412	647	463	585	413
Coalworkers' pneumoconiosis (500) .....	765	757	8	736	7	21	1	20	1
Asbestosis (501) .....	213	206	7	196	7	10	—	9	—
Pneumoconiosis due to other silica or silicates (502) .....	135	128	7	102	5	26	2	28	2
Pneumoconiosis due to other inorganic dust (503) .....	7	5	2	4	2	1	—	1	—
Pneumopathy due to inhalation of other dust (504) .....	8	7	1	7	1	—	—	—	—
Pneumoconiosis, unspecified (505) .....	91	88	3	80	3	8	—	8	—
Respiratory conditions due to chemical fumes and vapors (506) .....	23	15	8	10	6	5	2	5	2
Bronchitis and pneumonitis due to fumes and vapors (506.0) .....	17	10	7	6	5	4	2	4	2
Acute pulmonary edema due to fumes and vapors (506.1) .....	2	2	—	2	—	—	—	—	—
Upper respiratory inflammation due to fumes and vapors (506.2) .....	2	—	—	—	—	—	—	—	—
Other acute and subacute respiratory conditions due to fumes and vapors (506.3) .....	2	1	1	1	1	—	—	—	—
Chronic respiratory conditions due to fumes and vapors (506.4) .....	2	2	—	1	—	1	—	1	—
Unspecified (506.9) .....	—	—	—	—	—	—	—	—	—
Pneumonitis due to solids and liquids (507) .....	7,755	3,945	3,810	3,369	3,362	576	448	516	408
Due to inhalation of food or vomit (507.0) .....	7,749	3,940	3,809	3,365	3,361	575	448	515	408
Due to inhalation of oils and essences (507.1) .....	5	4	1	3	1	1	—	1	—
Other (507.8) .....	1	1	—	1	—	—	—	—	—
Respiratory conditions due to other and unspecified external agents (508) .....	35	16	19	16	18	—	—	—	—
Acute pulmonary manifestations due to radiation (508.0) .....	14	6	8	6	8	—	—	—	—
Chronic and other pulmonary manifestations due to radiation (508.1) .....	13	7	6	7	8	—	—	—	—
Other (508.8) .....	7	3	4	3	4	—	—	—	—
Unspecified (508.9) .....	1	—	1	—	1	—	—	—	—







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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix ]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Diseases of oral cavity, salivary glands, and jaws-Con.									
Dentofacial anomalies, including malocclusion (524)	-	-	-	-	-	-	-	-	-
Major anomalies of jaw size (524.0)	-	-	-	-	-	-	-	-	-
Anomalies of relationship of jaw to cranial base (524.1)	-	-	-	-	-	-	-	-	-
Anomalies of dental arch relationship (524.2)	-	-	-	-	-	-	-	-	-
Anomalies of tooth position (524.3)	-	-	-	-	-	-	-	-	-
Malocclusion, unspecified (524.4)	-	-	-	-	-	-	-	-	-
Dentofacial functional abnormalities (524.5)	-	-	-	-	-	-	-	-	-
Temporomandibular joint disorders (524.6)	-	-	-	-	-	-	-	-	-
Other dentofacial anomalies (524.8)	-	-	-	-	-	-	-	-	-
Unspecified (524.9)	-	-	-	-	-	-	-	-	-
Other diseases and conditions of the tooth and supporting structures (525)	9	1	2	-	2	1	-	1	-
Exfoliation of teeth due to systemic causes (525.0)	-	-	-	-	-	-	-	-	-
Loss of teeth due to accident, extraction or local periodontal disease (525.1)	-	-	-	-	-	-	-	-	-
Atrophy of edentulous alveolar ridge (525.2)	-	-	-	-	-	-	-	-	-
Retained dental root (525.3)	-	-	-	-	-	-	-	-	-
Other (525.8)	2	1	1	-	1	1	-	1	-
Unspecified (525.9)	1	-	1	-	1	-	-	-	-
Diseases of the jaws (526)	7	4	3	4	-	-	3	-	2
Developmental odontogenic cysts (526.0)	-	-	-	-	-	-	-	-	-
Fissural cysts of jaw (526.1)	-	-	-	-	-	-	-	-	-
Other cysts of jaws (526.2)	-	-	-	-	-	-	-	-	-
Central giant cell (reparative) granuloma (526.3)	-	-	-	-	-	-	-	-	-
Inflammatory conditions (526.4)	5	3	2	3	-	-	2	-	2
Alveolitis of jaw (526.5)	1	-	1	-	-	-	1	-	-
Other diseases of the jaws (526.8)	1	1	-	1	-	-	-	-	-
Unspecified (526.9)	-	-	-	-	-	-	-	-	-
Diseases of the salivary glands (527)	37	8	29	7	25	1	4	1	4
Atrophy (527.0)	-	-	-	-	-	-	-	-	-
Hypertrophy (527.1)	-	-	-	-	-	-	-	-	-
Sialoadenitis (527.2)	29	6	23	6	22	-	1	-	1
Abscess (527.3)	6	2	4	1	1	1	3	1	3
Fistula (527.4)	-	-	-	-	-	-	-	-	-
Sialolithiasis (527.5)	-	-	-	-	-	-	-	-	-
Mucocoele (527.6)	-	-	-	-	-	-	-	-	-
Disturbance of salivary secretion (527.7)	-	-	-	-	-	-	-	-	-
Other (527.8)	-	-	-	-	-	-	-	-	-
Unspecified (527.9)	2	-	2	-	2	-	-	-	-
Diseases of the oral soft tissues, excluding lesions specific for gingiva and tongue (528)	35	16	19	10	16	6	9	6	3
Stomatitis (528.0)	5	1	4	1	4	-	-	-	-
Carcinoma oris (528.1)	1	-	1	-	-	-	1	-	1
Oral aphthae (528.2)	-	-	-	-	-	-	-	-	-
Cellulitis and abscess (528.3)	14	7	7	4	7	3	-	3	-
Cysts (528.4)	-	-	-	-	-	-	-	-	-
Diseases of lips (528.5)	-	-	-	-	-	-	-	-	-
Leukoplakia of oral mucosa, including tongue (528.6)	1	1	-	-	-	1	-	1	-
Other disturbances of oral epithelium, including tongue (528.7)	-	-	-	-	-	-	-	-	-
Oral submucous fibrosis, including of tongue (528.8)	-	-	-	-	-	-	-	-	-
Other and unspecified (528.9)	14	7	7	5	5	2	2	2	2
Diseases and other conditions of the tongue (529)	3	1	2	1	1	-	1	-	1
Glossitis (529.0)	1	-	1	-	1	-	-	-	-
Geographic tongue (529.1)	-	-	-	-	-	-	-	-	-
Median rhomboid glossitis (529.2)	-	-	-	-	-	-	-	-	-
Hypertrophy of tongue papillae (529.3)	-	-	-	-	-	-	-	-	-
Atrophy of tongue papillae (529.4)	-	-	-	-	-	-	-	-	-
Plicated tongue (529.5)	-	-	-	-	-	-	-	-	-
Glossodynia (529.6)	1	1	-	1	-	-	-	-	-
Other conditions of the tongue (529.8)	1	-	1	-	-	-	1	-	1
Unspecified (529.9)	-	-	-	-	-	-	-	-	-
Diseases of esophagus, stomach, and duodenum (530-537)	8,449	4,760	4,689	4,207	4,279	553	410	479	362
Diseases of esophagus (530)	1,602	956	646	658	774	98	72	88	64
Achalasia and cardiospasm (530.0)	80	38	42	25	37	9	5	3	5
Esophagitis (530.1)	454	228	226	202	207	26	18	24	16
Ulcer of esophagus (530.2)	120	74	46	64	40	10	6	10	6
Stricture and stenosis of esophagus (530.3)	288	126	160	112	149	14	11	13	10
Perforation of esophagus (530.4)	209	131	78	110	71	15	7	13	7
Dyskinesia of esophagus (530.5)	242	125	117	121	110	4	7	1	5
Diverticulum of esophagus, acquired (530.6)	62	33	29	29	29	4	-	4	-
Gastro-esophageal laceration-hemorrhage syndrome (530.7)	67	39	28	36	23	3	5	2	2
Other disorders of esophagus (530.8)	236	135	101	118	81	17	10	16	9
Unspecified (530.9)	46	27	19	25	17	2	2	2	2
Gastric ulcer (531)	2,008	921	1,088	788	982	153	106	134	87
Acute with hemorrhage (531.0)	27	14	13	13	12	1	1	1	-
Acute with perforation (531.1)	7	4	3	4	3	-	-	-	-
Acute with hemorrhage and perforation (531.2)	1	-	1	-	1	-	-	-	-
Acute without mention of hemorrhage or perforation (531.3)	5	2	3	-	3	2	-	-	-
Chronic or unspecified with hemorrhage (531.4)	960	484	476	408	428	76	48	64	40
Chronic or unspecified with perforation (531.5)	714	290	424	241	388	49	36	47	31
Chronic or unspecified with hemorrhage and perforation (531.6)	81	46	35	37	34	9	1	7	1
Chronic without mention of hemorrhage or perforation (531.7)	2	1	1	1	-	-	1	-	1
Unspecified as acute or chronic without mention of hemorrhage or perforation (531.9)	212	80	132	64	113	16	19	15	14
Duodenal ulcer (532)	2,177	1,155	1,022	1,047	950	108	72	91	65
Acute with hemorrhage (532.0)	21	11	10	10	10	1	-	1	-
Acute with perforation (532.1)	8	3	5	2	4	1	1	1	1
Acute with hemorrhage and perforation (532.2)	4	-	4	-	4	-	-	-	-
Acute without mention of hemorrhage or perforation (532.3)	2	2	-	2	-	-	-	-	-
Chronic or unspecified with hemorrhage (532.4)	994	588	408	534	381	62	27	42	25
Chronic or unspecified with perforation (532.5)	880	401	479	360	442	41	37	37	33

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Diseases of oral cavity, salivary glands, and jaws-Con.									
Dentofacial anomalies, including malocclusion (524)	-	-	-	-	-	-	-	-	-
Major anomalies of jaw size (524.0)	-	-	-	-	-	-	-	-	-
Anomalies of relationship of jaw to cranial base (524.1)	-	-	-	-	-	-	-	-	-
Anomalies of dental arch relationship (524.2)	-	-	-	-	-	-	-	-	-
Anomalies of tooth position (524.3)	-	-	-	-	-	-	-	-	-
Malocclusion, unspecified (524.4)	-	-	-	-	-	-	-	-	-
Dentofacial functional abnormalities (524.5)	-	-	-	-	-	-	-	-	-
Temporomandibular joint disorders (524.6)	-	-	-	-	-	-	-	-	-
Other dentofacial anomalies (524.8)	-	-	-	-	-	-	-	-	-
Unspecified (524.9)	-	-	-	-	-	-	-	-	-
Other diseases and conditions of the teeth and supporting structures (525)	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-
Exfoliation of teeth due to systemic causes (525.0)	-	-	-	-	-	-	-	-	-
Loss of teeth due to accident, extraction or local periodontal disease (525.1)	-	-	-	-	-	-	-	-	-
Atrophy of edentulous alveolar ridge (525.2)	-	-	-	-	-	-	-	-	-
Retained dental root (525.3)	-	-	-	-	-	-	-	-	-
Other (525.8)	.0	.0	.0	-	.0	.0	-	.0	-
Unspecified (525.9)	.0	-	.0	-	.0	-	-	-	-
Diseases of the jaws (526)	.0	.0	.0	0.0	-	-	0.0	-	0.0
Developmental odontogenic cysts (526.0)	-	-	-	-	-	-	-	-	-
Fissural cysts of jaw (526.1)	-	-	-	-	-	-	-	-	-
Other cysts of jaws (526.2)	-	-	-	-	-	-	-	-	-
Central giant cell (reparative) granuloma (526.3)	-	-	-	-	-	-	-	-	-
Inflammatory conditions (526.4)	.0	.0	.0	.0	-	.0	-	.0	-
Alveolitis of jaw (526.5)	.0	.0	.0	.0	-	.0	-	.0	-
Other diseases of the jaws (526.8)	.0	.0	.0	.0	-	.0	-	.0	-
Unspecified (526.9)	-	-	-	-	-	-	-	-	-
Diseases of the salivary glands (527)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Atrophy (527.0)	-	-	-	-	-	-	-	-	-
Hypertrophy (527.1)	-	-	-	-	-	-	-	-	-
Sialoadenitis (527.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Abscess (527.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Fistula (527.4)	-	-	-	-	-	-	-	-	-
Sialolithiasis (527.5)	-	-	-	-	-	-	-	-	-
Mucocoele (527.6)	-	-	-	-	-	-	-	-	-
Disturbance of salivary secretion (527.7)	-	-	-	-	-	-	-	-	-
Other (527.8)	-	-	-	-	-	-	-	-	-
Unspecified (527.9)	.0	-	.0	-	.0	-	-	-	-
Diseases of the oral soft tissues, excluding lesions specific for gingiva and tongue (528)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Stomatitis (528.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Cancerum oris (528.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oral aphthae (528.2)	-	-	-	-	-	-	-	-	-
Cellulitis and abscess (528.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Cysts (528.4)	-	-	-	-	-	-	-	-	-
Diseases of lips (528.5)	-	-	-	-	-	-	-	-	-
Leukoplakia of oral mucosa, including tongue (528.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other disturbances of oral epithelium, including tongue (528.7)	-	-	-	-	-	-	-	-	-
Oral submucous fibrosis, including of tongue (528.8)	-	-	-	-	-	-	-	-	-
Other and unspecified (528.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Diseases and other conditions of the tongue (529)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Glossitis (529.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Geographic tongue (529.1)	-	-	-	-	-	-	-	-	-
Median rhomboid glossitis (529.2)	-	-	-	-	-	-	-	-	-
Hypertrophy of tongue papillae (529.3)	-	-	-	-	-	-	-	-	-
Atrophy of tongue papillae (529.4)	-	-	-	-	-	-	-	-	-
Plicated tongue (529.5)	-	-	-	-	-	-	-	-	-
Glossodynia (529.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other conditions of the tongue (529.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (529.9)	-	-	-	-	-	-	-	-	-
Diseases of esophagus, stomach, and duodenum (530-537)	3.8	4.0	3.7	4.1	4.0	3.0	2.0	3.3	2.3
Diseases of esophagus (530)	.7	.8	.7	.8	.7	.5	.4	.6	.4
Achalasia and cardiospasm (530.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Esophagitis (530.1)	.2	.2	.2	.2	.2	.1	.1	.2	.1
Ulcer of esophagus (530.2)	.0	.1	.0	.1	.0	.1	.0	.1	.0
Stricture and stenosis of esophagus (530.3)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Perforation of esophagus (530.4)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Dyskinesia of esophagus (530.5)	.1	.1	.1	.1	.1	.0	.0	.0	.0
Diverticulum of esophagus, acquired (530.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Gastro-esophageal laceration-hemorrhage syndrome (530.7)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other disorders of esophagus (530.8)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Unspecified (530.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Gastric ulcer (531)	.8	.8	.9	.8	.9	.8	.5	.9	.5
Acute with hemorrhage (531.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute with perforation (531.1)	.0	.0	.0	.0	.0	-	-	-	-
Acute with hemorrhage and perforation (531.2)	.0	-	.0	-	.0	-	-	-	-
Acute without mention of hemorrhage or perforation (531.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Chronic or unspecified with hemorrhage (531.4)	.4	.4	.4	.4	.4	.4	.2	.4	.3
Chronic or unspecified with perforation (531.5)	.3	.2	.3	.2	.4	.3	.2	.3	.2
Chronic or unspecified with hemorrhage and perforation (531.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Chronic without mention of hemorrhage or perforation (531.7)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified as acute or chronic without mention of hemorrhage or perforation (531.9)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Duodenal ulcer (532)	.9	1.0	.8	1.0	.9	.6	.4	.6	.4
Acute with hemorrhage (532.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute with perforation (532.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute with hemorrhage and perforation (532.2)	.0	-	.0	-	.0	-	-	-	-
Acute without mention of hemorrhage or perforation (532.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Chronic or unspecified with hemorrhage (532.4)	.4	.5	.3	.5	.4	.3	.1	.3	.2
Chronic or unspecified with perforation (532.5)	.4	.3	.4	.4	.4	.2	.2	.3	.2

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Duodenal ulcer-Con.									
Chronic or unspecified with hemorrhage and perforation (532.6)	108	62	46	55	42	7	4	5	3
Chronic without mention of hemorrhage or perforation (532.7)	5	3	2	3	2	-	-	-	-
Unspecified as acute or chronic without mention of hemorrhage or perforation (532.9)	155	87	68	81	65	6	3	5	3
Peptic ulcer, site unspecified (533)	2,249	1,106	1,143	892	1,046	114	95	99	84
Acute with hemorrhage (533.0)	20	11	9	10	6	1	1	1	1
Acute with perforation (533.1)	6	3	2	3	1	-	-	-	1
Acute with hemorrhage and perforation (533.2)	-	-	-	-	-	-	-	-	-
Acute without mention of hemorrhage or perforation (533.3)	2	2	-	1	-	1	-	1	-
Chronic or unspecified with hemorrhage (533.4)	1,335	681	654	617	595	64	58	55	50
Chronic or unspecified with perforation (533.5)	533	235	298	215	273	20	25	10	24
Chronic or unspecified with hemorrhage and perforation (533.6)	54	25	29	24	29	1	-	1	-
Chronic without mention of hemorrhage or perforation (533.7)	9	6	3	5	3	1	-	1	-
Unspecified as acute or chronic without mention of hemorrhage or perforation (533.9)	281	143	148	117	139	26	9	21	8
Gastrojejunal ulcer (534)	71	39	32	36	32	3	-	2	-
Acute with hemorrhage (534.0)	1	-	1	-	1	-	-	-	-
Acute with perforation (534.1)	-	-	-	-	-	-	-	-	-
Acute with hemorrhage and perforation (534.2)	-	-	-	-	-	-	-	-	-
Acute without mention of hemorrhage or perforation (534.3)	-	-	-	-	-	-	-	-	-
Chronic or unspecified with hemorrhage (534.4)	41	20	21	17	21	3	-	2	-
Chronic or unspecified with perforation (534.5)	14	12	2	12	2	-	-	-	-
Chronic or unspecified with hemorrhage and perforation (534.6)	-	-	-	-	-	-	-	-	-
Chronic without mention of hemorrhage or perforation (534.7)	-	-	-	-	-	-	-	-	-
Unspecified as acute or chronic without mention of hemorrhage or perforation (534.9)	15	7	8	7	8	-	-	-	-
Gastritis and duodenitis (535)	654	366	288	308	251	57	37	48	35
Acute gastritis (535.0)	83	46	37	36	36	10	1	7	1
Atrophic gastritis (535.1)	25	12	13	11	12	1	1	1	1
Gastric mucosal hypertrophy (535.2)	3	3	-	2	-	1	-	1	-
Alcoholic gastritis (535.3)	67	50	17	38	10	12	7	9	7
Other gastritis (535.4)	189	115	84	104	76	11	8	9	8
Unspecified gastritis and gastroduodenitis (535.5)	268	132	136	111	116	21	20	20	18
Duodenitis (535.6)	9	8	1	7	1	1	-	1	-
Disorders of function of stomach (536)	108	47	61	46	51	1	10	1	10
Achlorhydria (536.0)	-	-	-	-	-	-	-	-	-
Acute dilatation of stomach (536.1)	12	7	5	7	3	-	2	-	2
Habit vomiting (536.2)	2	-	2	-	-	-	-	-	-
Dyspepsia and other disorders of function of stomach (536.8)	52	23	29	23	24	-	5	-	5
Unspecified (536.9)	42	17	25	16	22	1	3	1	3
Other disorders of stomach and duodenum (537)	379	170	209	151	191	19	18	16	17
Adult hypertrophic pyloric stenosis (537.0)	121	57	64	50	58	7	6	7	6
Gastric diverticulum (537.1)	-	-	-	-	-	-	-	-	-
Chronic duodenal ileus (537.2)	-	-	-	-	-	-	-	-	-
Other obstruction of duodenum (537.3)	5	2	3	2	3	-	-	-	-
Fistula of stomach or duodenum (537.4)	51	22	29	22	26	-	3	-	2
Gastroparesis (537.5)	-	-	-	-	-	-	-	-	-
Hourglass stricture or stenosis of stomach (537.8)	-	-	-	-	-	-	-	-	-
Other (537.9)	75	25	50	23	48	2	2	2	2
Unspecified (537.9)	127	64	63	54	55	10	8	7	8
Appendicitis (540-543)	473	241	232	181	187	60	45	57	42
Acute appendicitis (540)	419	211	208	158	170	53	38	50	36
With generalized peritonitis (540.0)	371	193	178	142	149	51	29	49	27
With peritoneal abscess (540.1)	28	11	17	10	10	1	7	1	7
Without mention of peritonitis (540.9)	20	7	13	6	11	1	2	-	2
Appendicitis, unqualified (541)	46	28	20	21	13	5	7	5	6
Other appendicitis (542)	3	3	-	1	-	2	-	2	-
Other diseases of appendix (543)	5	1	4	1	4	-	-	-	-
Hernia of abdominal cavity (550-559)	1,327	530	797	459	720	71	77	64	72
Inguinal hernia (550)	220	165	55	136	50	28	5	25	5
Inguinal hernia with gangrene (550.0)	19	14	5	11	5	3	-	1	-
Inguinal hernia with obstruction without mention of gangrene (550.1)	152	108	44	88	41	20	3	19	3
Inguinal hernia without mention of obstruction or gangrene (550.9)	49	43	6	37	4	8	2	5	2
Other hernia of abdominal cavity, with gangrene (551)	133	52	81	45	66	7	15	7	15
Femoral with gangrene (551.0)	12	1	11	-	10	1	1	1	1
Umbilical with gangrene (551.1)	23	13	10	12	9	1	1	1	1
Ventral (incisional) with gangrene (551.2)	38	12	24	9	20	3	4	3	4
Diaphragmatic with gangrene (551.3)	9	3	6	3	6	-	-	-	-
Of other specified sites with gangrene (551.8)	12	4	8	4	6	-	2	-	2
Of unspecified site with gangrene (551.9)	41	19	22	17	15	2	7	2	7
Other hernia of abdominal cavity with obstruction, without mention of gangrene (552)	471	148	325	132	295	14	30	12	27
Femoral with obstruction (552.0)	57	7	50	7	47	-	3	-	2
Umbilical with obstruction (552.1)	41	13	28	10	21	3	7	2	5
Ventral (incisional) with obstruction (552.2)	115	30	85	28	78	4	7	4	7
Diaphragmatic with obstruction (552.3)	94	28	68	25	66	1	2	1	2
Of other specified sites with obstruction (552.8)	27	10	17	9	17	1	-	1	-
Of unspecified site with obstruction (552.9)	137	60	77	55	66	5	11	4	11
Other hernia of abdominal cavity without mention of obstruction or gangrene (553)	503	167	336	148	309	21	27	20	25
Femoral (553.0)	5	1	4	1	3	-	1	-	1
Umbilical (553.1)	35	14	21	10	16	4	5	4	4
Ventral (incisional) (553.2)	73	26	47	21	39	6	8	4	8
Diaphragmatic (553.3)	306	80	226	76	218	4	8	4	7
Of other specified sites (553.8)	8	4	4	3	4	1	-	1	-
Of unspecified site (553.9)	76	42	34	35	29	7	5	7	5

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988-Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Duodenal ulcer-Con.									
Chronic or unspecified with hemorrhage and perforation (532.6)	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Chronic without mention of hemorrhage or perforation (532.7)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified as acute or chronic without mention of hemorrhage or perforation (532.9)	.1	.1	.1	.1	.1	.0	.0	.0	.0
Peptic ulcer, site unspecified (533)	.9	.8	.8	1.0	1.0	.6	.5	.7	.5
Acute with hemorrhage (533.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute with perforation (533.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute with hemorrhage and perforation (533.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute without mention of hemorrhage or perforation (533.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Chronic or unspecified with hemorrhage (533.4)	.5	.6	.5	.6	.6	.3	.3	.4	.3
Chronic or unspecified with perforation (533.5)	.2	.2	.2	.2	.2	.1	.1	.1	.2
Chronic or unspecified with hemorrhage and perforation (533.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Chronic without mention of hemorrhage or perforation (533.7)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified as acute or chronic without mention of hemorrhage or perforation (533.9)	.1	.1	.1	.1	.1	.1	.0	.1	.1
Gastrojejunal ulcer (534)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute with hemorrhage (534.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute with perforation (534.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute with hemorrhage and perforation (534.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute without mention of hemorrhage or perforation (534.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Chronic or unspecified with hemorrhage (534.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Chronic or unspecified with perforation (534.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Chronic or unspecified with hemorrhage and perforation (534.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Chronic without mention of hemorrhage or perforation (534.7)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified as acute or chronic without mention of hemorrhage or perforation (534.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Gastritis and duodenitis (535)	.3	.3	.2	.3	.2	.3	.2	.3	.2
Acute gastritis (535.0)	.0	.0	.0	.0	.0	.1	.0	.0	.0
Atrophic gastritis (535.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Gastric mucosal hypertrophy (535.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Alcoholic gastritis (535.3)	.0	.0	.0	.0	.0	.1	.0	.1	.0
Other gastritis (535.4)	.1	.1	.1	.1	.1	.1	.0	.1	.1
Unspecified gastritis and gastroduodenitis (535.5)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Duodenitis (535.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Disorders of function of stomach (536)	.0	.0	.0	.0	.0	.0	.0	.0	.1
Achlorhydria (536.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Acute dilatation of stomach (536.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Habit vomiting (536.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dyspepsia and other disorders of function of stomach (536.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (536.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other disorders of stomach and duodenum (537)	.2	.1	.2	.1	.2	.1	.1	.1	.1
Adult hypertrophic pyloric stenosis (537.0)	.0	.0	.1	.0	.1	.0	.0	.0	.0
Gastric diverticulum (537.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Chronic duodenal ileus (537.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other obstruction of duodenum (537.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Fistula of stomach or duodenum (537.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Gastroptosis (537.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Hourglass stricture or stenosis of stomach (537.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (537.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (537.9)	.1	.1	.0	.1	.1	.1	.0	.0	.1
Appendicitis (540-543)	.2	.2	.2	.2	.2	.3	.2	.4	.3
Acute appendicitis (540)	.2	.2	.2	.2	.2	.3	.2	.3	.2
With generalized peritonitis (540.0)	.2	.2	.1	.1	.1	.3	.1	.3	.2
With peritoneal abscess (540.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Without mention of peritonitis (540.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Appendicitis, unqualified (541)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other appendicitis (542)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other diseases of appendix (543)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Hernia of abdominal cavity (550-553)	.5	.4	.6	.5	.7	.4	.4	.4	.5
Inguinal hernia (550)	.1	.1	.0	.1	.0	.2	.0	.2	.0
Inguinal hernia with gangrene (550.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Inguinal hernia with obstruction without mention of gangrene (550.1)	.1	.1	.0	.1	.0	.1	.0	.1	.0
Inguinal hernia without mention of obstruction or gangrene (550.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hernia of abdominal cavity, with gangrene (551)	.1	.0	.1	.0	.1	.0	.1	.0	.1
Femoral with gangrene (551.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Umbilical with gangrene (551.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ventral (incisional) with gangrene (551.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Diaphragmatic with gangrene (551.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Of other specified sites with gangrene (551.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Of unspecified site with gangrene (551.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hernia of abdominal cavity with obstruction, without mention of gangrene (552)	.2	.1	.3	.1	.3	.1	.1	.1	.2
Femoral with obstruction (552.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Umbilical with obstruction (552.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ventral (incisional) with obstruction (552.2)	.0	.0	.1	.0	.1	.0	.0	.0	.0
Diaphragmatic with obstruction (552.3)	.0	.0	.1	.0	.1	.0	.0	.0	.0
Of other specified sites with obstruction (552.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Of unspecified site with obstruction (552.9)	.1	.1	.1	.1	.1	.0	.1	.0	.1
Other hernia of abdominal cavity without mention of obstruction or gangrene (553)	.2	.1	.3	.1	.3	.1	.1	.1	.2
Femoral (553.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Umbilical (553.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ventral (incisional) (553.2)	.0	.0	.0	.0	.0	.0	.0	.0	.1
Diaphragmatic (553.3)	.1	.1	.2	.1	.2	.0	.0	.0	.0
Of other specified sites (553.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Of unspecified site (553.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0



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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Noninfective enteritis and colitis (555-558)	8,591	3,188	5,403	2,784	4,943	404	460	358	414
Regional enteritis (555)	358	134	224	123	209	11	15	8	15
Small intestine (555.0)	14	8	6	8	6	-	-	-	-
Large intestine (555.1)	19	8	11	8	9	-	2	-	2
Small intestine with large intestine (555.2)	1	1	-	1	-	-	-	-	-
Unspecified site (555.9)	324	117	207	106	184	11	13	8	13
Idiopathic proctocolitis (556)	329	147	182	134	173	13	9	13	9
Vascular insufficiency of intestine (557)	6,804	2,507	4,297	2,197	3,942	310	355	276	318
Acute (557.0)	4,779	1,705	3,074	1,506	2,832	199	242	178	218
Chronic (557.1)	311	128	183	114	175	14	8	13	6
Unspecified (557.9)	1,714	674	1,040	577	935	97	105	85	95
Other noninfective gastroenteritis and colitis (558)	1,100	400	700	330	618	70	81	61	71
Other diseases of intestines and peritoneum (560-569)	11,202	4,124	7,078	3,480	6,280	634	788	578	746
Intestinal obstruction without mention of hernia (560)	4,272	1,511	2,761	1,247	2,440	284	321	248	311
Intussusception (560.0)	24	12	12	7	8	5	4	5	4
Paralytic ileus (560.1)	294	135	159	121	140	14	19	12	19
Volvulus (560.2)	570	268	302	210	267	58	35	56	34
Impaction of intestine (560.3)	160	42	118	37	108	5	10	5	10
Other intestinal obstruction (560.8)	325	106	219	80	187	26	32	23	31
Unspecified intestinal obstruction (560.9)	2,899	948	1,951	792	1,730	156	221	147	213
Diverticula of intestine (562)	3,010	940	2,070	866	1,988	74	162	66	153
Small intestine (562.0)	28	13	15	12	12	1	3	1	3
Colon (562.1)	2,982	927	2,055	854	1,896	73	159	65	150
Functional digestive disorders, not elsewhere classified (564)	216	84	132	71	125	13	7	12	7
Constipation (564.0)	38	11	27	8	25	3	2	3	2
Irritable colon (564.1)	78	33	45	29	43	4	2	4	2
Other postoperative functional disorders (564.4)	-	-	-	-	-	-	-	-	-
Functional diarrhea (564.5)	-	-	-	-	-	-	-	-	-
Anal spasm (564.6)	-	-	-	-	-	-	-	-	-
Megacolon, other than Hirschsprung's (564.7)	72	32	40	28	38	4	2	3	2
Other functional disorders of intestine (564.8)	23	6	17	5	16	1	1	1	1
Unspecified (564.9)	5	2	3	1	3	1	-	1	-
Anal fissure and fistula (565)	12	7	5	5	4	2	1	2	1
Anal fissure (565.0)	1	1	-	1	-	-	-	-	-
Anal fistula (565.1)	11	6	5	4	4	2	1	2	1
Abscess of anal and rectal regions (568)	124	46	78	39	59	7	19	6	19
Peritonitis (567)	1,415	644	771	524	658	120	113	110	106
Pneumococcal peritonitis (567.1)	1	-	1	-	1	-	-	-	-
Other suppurative peritonitis (567.2)	517	254	263	185	225	58	38	54	36
Other peritonitis (567.8)	16	7	9	5	8	2	1	2	1
Unspecified (567.9)	881	383	498	324	424	59	74	54	69
Other disorders of peritoneum (568)	225	110	115	83	100	27	15	25	13
Peritoneal adhesions (568.0)	140	69	71	48	63	21	8	20	8
Other (568.8)	79	37	42	32	35	5	7	5	5
Unspecified (568.9)	6	4	2	3	2	1	-	-	-
Other disorders of intestine (569)	1,928	782	1,146	655	966	127	150	109	136
Anal and rectal polyp (569.0)	2	1	1	1	1	-	-	-	-
Rectal prolapse (569.1)	18	2	16	2	14	-	2	-	2
Stenosis of rectum and anus (569.2)	7	3	4	1	4	2	-	1	-
Hemorrhage of rectum and anus (569.3)	100	32	68	25	59	7	9	7	7
Other disorders of rectum and anus (569.4)	56	23	33	18	30	5	3	4	3
Abscess of intestine (569.5)	44	14	30	13	29	1	1	1	1
Other (569.8)	1,281	507	754	438	653	74	101	83	91
Unspecified (569.9)	440	200	240	162	208	38	34	33	32
Other diseases of digestive system (570-579)	45,214	26,763	18,451	22,389	15,459	4,374	2,992	3,833	2,808
Acute and subacute necrosis of liver (570)	383	203	180	159	140	44	40	35	35
Chronic liver disease and cirrhosis (571)	26,409	17,196	9,213	14,381	7,543	2,615	1,970	2,476	1,427
Alcoholic fatty liver (571.0)	915	664	251	391	138	273	113	269	107
Acute alcoholic hepatitis (571.1)	739	508	231	402	180	108	51	86	40
Alcoholic cirrhosis of liver (571.2)	7,883	5,707	2,176	4,742	1,686	965	480	844	420
Alcoholic liver damage, unspecified (571.3)	2,255	1,651	604	1,271	426	380	178	318	144
Chronic hepatitis (571.4)	812	377	435	321	369	56	66	33	49
Cirrhosis of liver without mention of alcohol (571.5)	12,409	7,825	4,784	6,794	4,181	891	659	792	583
Biliary cirrhosis (571.6)	393	61	332	58	313	3	18	2	13
Other chronic nonalcoholic liver disease (571.8)	689	439	260	315	177	124	83	108	75
Unspecified chronic liver disease without mention of alcohol (571.9)	304	164	140	147	123	17	17	13	16
Liver abscess and sequelae of chronic liver disease (572)	3,994	2,385	1,609	1,952	1,275	433	334	383	295
Abscess of liver (572.0)	160	84	76	85	53	19	23	18	21
Portal pyemia (572.1)	3	2	1	2	1	-	-	-	-
Hepatic coma (572.2)	458	283	173	208	133	75	40	67	33
Portal hypertension (572.3)	163	101	62	90	57	11	5	9	4
Hepatorenal syndrome (572.4)	630	409	221	333	186	76	35	64	30
Other sequelae of chronic liver disease (572.8)	2,582	1,506	1,076	1,254	845	252	231	227	207
Other disorders of liver (573)	1,497	856	641	676	507	180	134	161	115
Chronic passive congestion of liver (573.0)	33	22	11	17	10	5	1	5	1
Hepatitis unspecified (573.3)	498	251	247	201	190	50	57	40	50
Hepatic infarction (573.4)	24	9	15	8	13	1	2	1	2
Other (573.8)	161	88	73	67	60	21	13	19	7
Unspecified (573.9)	781	486	295	383	234	103	61	96	65

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix ]

Cause of death	Race								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Noninfective enteritis and colitis (555-558)	3.5	2.7	4.3	2.7	4.7	2.2	2.3	2.5	2.6
Regional enteritis (555)	.1	.1	.2	.1	.2	.1	.1	.1	.1
Small intestine (555.0)	.0	.0	.0	.0	.0	-	-	-	-
Large intestine (555.1)	.0	.0	.0	.0	.0	-	.0	-	.0
Small intestine with large intestine (555.2)	.0	.0	-	.0	-	-	-	-	-
Unspecified site (555.9)	.1	.1	.2	.1	.2	.1	.1	.1	.1
Idiopathic proctocolitis (556)	.1	.1	.1	.1	.2	.1	.0	.1	.1
Vascular insufficiency of intestine (557)	2.8	2.1	3.4	2.2	3.7	1.7	1.8	1.9	2.0
Acute (557.0)	1.9	1.4	2.4	1.5	2.7	1.1	1.2	1.2	1.4
Chronic (557.1)	.1	.1	.1	.1	.2	.1	.0	.1	.0
Unspecified (557.9)	.7	.6	.8	.6	.9	.5	.5	.6	.6
Other noninfective gastroenteritis and colitis (558)	.4	.3	.6	.3	.6	.4	.4	.4	.4
Other diseases of intestines and peritoneum (560-569)	4.6	3.4	5.6	3.4	5.9	3.5	3.9	4.0	4.7
Intestinal obstruction without mention of hernia (560)	1.7	1.3	2.2	1.2	2.9	1.4	1.6	1.7	2.0
Intussusception (560.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Paralytic ileus (560.1)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Volvulus (560.2)	.2	.2	.2	.2	.3	.2	.2	.4	.2
Impaction of intestine (560.3)	.1	.0	.1	.0	.1	.0	.0	.0	.1
Other intestinal obstruction (560.8)	.1	.1	.2	.1	.2	.1	.2	.2	.2
Unspecified intestinal obstruction (560.9)	1.2	.8	1.5	.8	1.6	.9	1.1	1.0	1.3
Diverticula of intestine (562)	1.2	.8	1.8	.9	1.8	.4	.8	.5	1.0
Small intestine (562.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Colon (562.1)	1.2	.8	1.8	.8	1.8	.4	.8	.5	.9
Functional digestive disorders, not elsewhere classified (564)	.1	.1	.1	.1	.1	.1	.0	.1	.0
Constipation (564.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Irritable colon (564.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other postoperative functional disorders (564.4)	-	-	-	-	-	-	-	-	-
Functional diarrhea (564.5)	-	-	-	-	-	-	-	-	-
Anal spasm (564.6)	-	-	-	-	-	-	-	-	-
Megacolon, other than Hirschsprung's (564.7)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other functional disorders of intestine (564.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (564.9)	.0	.0	.0	.0	.0	.0	.0	.0	-
Anal fissure and fistula (565)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Anal fissure (565.0)	.0	.0	-	.0	-	-	-	-	-
Anal fistula (565.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Abscess of anal and rectal regions (566)	.1	.0	.1	.0	.1	.0	.1	.0	.1
Peritonitis (567)	.6	.5	.6	.5	.6	.7	.6	.8	.7
Pneumococcal peritonitis (567.1)	.0	-	.0	-	.0	-	-	-	-
Other suppurative peritonitis (567.2)	.2	.2	.2	.2	.2	.3	.2	.4	.2
Other peritonitis (567.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (567.9)	.4	.3	.4	.3	.4	.3	.4	.4	.4
Other disorders of peritoneum (568)	.1	.1	.1	.1	.1	.1	.1	.2	.1
Peritoneal adhesions (568.0)	.1	.1	.1	.0	.1	.1	.0	.1	.1
Other (568.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (568.9)	.0	.0	.0	.0	.0	.0	-	-	-
Other disorders of intestine (569)	.8	.7	.9	.6	.9	.7	.7	.8	.9
Anal and rectal polyp (569.0)	.0	.0	.0	.0	.0	-	-	-	-
Rectal prolapse (569.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Stenosis of rectum and anus (569.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Hemorrhage of rectum and anus (569.3)	.0	.0	.1	.0	.1	.0	.0	.0	.0
Other disorders of rectum and anus (569.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Abscess of intestine (569.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (569.8)	.5	.4	.6	.4	.6	.4	.5	.4	.6
Unspecified (569.9)	.2	.2	.2	.2	.2	.2	.2	.2	.2
Other diseases of digestive system (570-579)	18.4	22.4	14.6	22.1	14.6	23.6	14.9	26.8	16.4
Acute and subacute necrosis of liver (570)	.2	.2	.1	.2	.1	.2	.2	.2	.2
Chronic liver disease and cirrhosis (571)	10.7	14.4	7.3	14.2	7.1	15.3	8.3	17.3	8.0
Alcoholic fatty liver (571.0)	.4	.8	.2	.4	.1	1.5	.8	1.9	.7
Acute alcoholic hepatitis (571.1)	.3	.4	.2	.4	.2	.6	.3	.7	.3
Alcoholic cirrhosis of liver (571.2)	3.2	4.8	1.7	4.7	1.6	5.3	2.4	5.9	2.6
Alcoholic liver damage, unspecified (571.3)	.9	1.4	.5	1.8	.4	2.1	.9	2.2	.9
Chronic hepatitis (571.4)	.3	.3	.3	.3	.3	.3	.3	.2	.3
Cirrhosis of liver without mention of alcohol (571.5)	5.0	6.4	3.8	6.8	3.9	4.9	3.3	5.5	3.5
Biliary cirrhosis (571.6)	.2	.1	.3	.1	.3	.0	.1	.0	.1
Other chronic nonalcoholic liver disease (571.8)	.3	.4	.2	.3	.2	.7	.4	.8	.5
Unspecified chronic liver disease without mention of alcohol (571.9)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Liver abscess and sequelae of chronic liver disease (572)	1.6	2.0	1.3	1.9	1.2	2.4	1.7	2.7	1.9
Abscess of liver (572.0)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Portal pyemia (572.1)	.0	.0	.0	.0	.0	-	-	-	-
Hepatic coma (572.2)	.2	.2	.1	.2	.1	.4	.2	.5	.2
Portal hypertension (572.3)	.1	.1	.0	.1	.1	.1	.0	.1	.0
Hepatorenal syndrome (572.4)	.3	.3	.2	.3	.2	.4	.2	.4	.2
Other sequelae of chronic liver disease (572.8)	1.1	1.3	.9	1.2	.8	1.4	1.2	1.6	1.3
Other disorders of liver (573)	.6	.7	.5	.7	.5	1.0	.7	1.1	.7
Chronic passive congestion of liver (573.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Hepatitis unspecified (573.3)	.2	.2	.2	.2	.2	.3	.3	.3	.3
Hepatic infarction (573.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (573.8)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Unspecified (573.9)	.9	.4	.2	.4	.2	.6	.3	.7	.3

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex; United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
<b>Other diseases of digestive system—Con.</b>									
Cholelithiasis (574) .....	1,372	557	815	506	794	51	81	37	69
Calculus of gallbladder with acute cholecystitis (574.0) .....	147	63	84	54	77	9	7	6	8
Calculus of gallbladder with other cholecystitis (574.1) .....	287	105	182	98	159	7	23	6	16
Calculus of gallbladder without mention of cholecystitis (574.2) .....	631	255	376	229	395	28	41	18	39
Calculus of bile duct with acute cholecystitis (574.3) .....	24	12	12	12	11	—	1	—	1
Calculus of bile duct with other cholecystitis (574.4) .....	25	15	10	14	10	1	—	1	—
Calculus of bile duct without mention of cholecystitis (574.5) .....	258	107	151	99	142	8	9	6	7
Other disorders of gallbladder (575) .....	1,743	828	915	737	812	91	103	70	88
Acute cholecystitis (575.0) .....	650	317	333	281	289	36	44	30	37
Other cholecystitis (575.1) .....	569	260	309	228	276	32	33	21	26
Obstruction of gallbladder (575.2) .....	5	2	3	2	2	—	1	—	—
Hydrops of gallbladder (575.3) .....	5	1	4	1	4	—	—	—	—
Perforation of gallbladder (575.4) .....	86	48	38	45	34	3	4	1	4
Fistula of gallbladder (575.5) .....	11	4	7	3	7	1	—	1	—
Cholesterosis of gallbladder (575.6) .....	—	—	—	—	—	—	—	—	—
Other (575.8) .....	28	15	13	15	12	—	1	—	1
Unspecified (575.9) .....	389	181	208	162	188	19	20	17	18
Other disorders of biliary tract (576) .....	974	449	525	392	479	57	46	44	37
Cholangitis (576.1) .....	433	217	216	193	193	24	23	16	16
Obstruction of bile duct (576.2) .....	271	116	155	102	140	14	15	12	14
Perforation of bile duct (576.3) .....	2	—	2	—	2	—	—	—	—
Fistula of bile duct (576.4) .....	6	3	5	3	3	—	2	—	1
Spasm of sphincter of Oddi (576.5) .....	1	—	—	—	—	—	—	—	—
Other (576.8) .....	228	99	129	81	124	18	5	15	5
Unspecified (576.9) .....	31	13	18	12	17	1	1	1	1
Diseases of pancreas (577) .....	2,672	1,455	1,217	1,173	1,029	282	189	257	173
Acute pancreatitis (577.0) .....	2,287	1,192	1,045	974	884	218	161	196	145
Chronic pancreatitis (577.1) .....	211	120	91	85	80	35	11	34	11
Cyst and pseudocyst of pancreas (577.2) .....	100	70	30	54	25	16	5	16	5
Other diseases of pancreas (577.8) .....	57	34	23	29	14	5	9	4	9
Unspecified (577.9) .....	67	39	28	31	25	8	3	7	3
Gastrointestinal hemorrhage (578) .....	6,055	2,760	3,265	2,375	2,880	415	385	364	360
Homolysis (578.0) .....	27	8	19	7	17	1	2	1	2
Melena (578.1) .....	6	3	3	2	3	1	—	1	—
Hemorrhage of gastrointestinal tract, unspecified (578.9) .....	6,022	2,779	3,243	2,366	2,860	413	383	362	356
Intestinal malabsorption (579) .....	115	44	71	38	61	6	10	6	9
Celiac disease (579.0) .....	11	3	8	3	8	—	—	—	—
Tropical sprue (579.1) .....	15	8	7	7	7	1	—	1	—
Pancreatic steatorrhea (579.4) .....	—	—	—	—	—	—	—	—	—
Other (579.8) .....	16	5	11	5	8	—	3	—	2
Unspecified (579.9) .....	73	28	45	23	38	5	7	5	7
<b>X. Diseases of the genitourinary system (580-629)</b>									
Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	22,392	10,880	11,512	8,788	9,129	2,084	2,383	1,908	2,249
Acute glomerulonephritis (580) .....	108	53	55	40	44	13	11	13	10
With lesion of proliferative glomerulonephritis (580.0) .....	—	—	—	—	—	—	—	—	—
With lesion of rapidly progressive glomerulonephritis (580.4) .....	—	—	—	—	—	—	—	—	—
With other specified pathological lesion in kidney (580.8) .....	3	—	3	—	3	—	—	—	—
Unspecified (580.9) .....	105	53	52	40	41	13	11	13	10
Nephrotic syndrome (581) .....	202	105	97	91	74	14	23	14	22
With lesion of proliferative glomerulonephritis (581.0) .....	—	—	—	—	—	—	—	—	—
With lesion of membranous glomerulonephritis (581.1) .....	—	—	—	—	—	—	—	—	—
With lesion of membranoproliferative glomerulonephritis (581.2) .....	—	—	—	—	—	—	—	—	—
With lesion of minimal change glomerulonephritis (581.3) .....	6	5	1	5	—	—	1	—	1
With other specified pathological lesion in kidney (581.8) .....	3	1	2	—	2	1	—	1	—
Unspecified (581.9) .....	193	99	94	86	72	13	22	13	21
Chronic glomerulonephritis (582) .....	1,067	558	509	444	409	114	100	101	90
With lesion of proliferative glomerulonephritis (582.0) .....	—	—	—	—	—	—	—	—	—
With lesion of membranous glomerulonephritis (582.1) .....	2	1	1	1	1	—	—	—	—
With lesion of membranoproliferative glomerulonephritis (582.2) .....	2	1	1	1	1	—	—	—	—
With lesion of rapidly progressive glomerulonephritis (582.4) .....	1	1	—	—	—	—	—	—	—
With other specified pathological lesion in kidney (582.8) .....	30	14	16	13	13	1	3	1	3
Unspecified (582.9) .....	1,032	541	491	428	394	113	87	100	87
Nephritis and nephropathy, not specified as acute or chronic (583) .....	392	207	165	174	167	33	18	30	14
With lesion of proliferative glomerulonephritis (583.0) .....	7	7	—	6	—	1	—	1	—
With lesion of membranous glomerulonephritis (583.1) .....	31	20	11	17	7	3	4	3	4
With lesion of membranoproliferative glomerulonephritis (583.2) .....	14	10	4	10	2	—	2	—	—
With lesion of rapidly progressive glomerulonephritis (583.4) .....	16	6	10	6	9	—	1	—	1
With lesion of renal cortical necrosis (583.8) .....	4	2	2	1	2	1	—	1	—
With lesion of renal medullary necrosis (583.7) .....	2	1	1	1	1	—	—	—	—
With other specified pathological lesion in kidney (583.6) .....	60	26	34	22	32	4	2	3	2
With unspecified pathological lesion in kidney (583.9) .....	258	135	123	111	114	24	9	22	7
Acute renal failure (584) .....	3,502	1,721	1,781	1,434	1,480	287	291	265	278
With lesion of tubular necrosis (584.5) .....	241	128	112	113	95	16	17	15	16
With lesion of renal cortical necrosis (584.6) .....	2	—	—	—	—	—	—	—	—
With lesion of renal medullary (papillary) necrosis (584.7) .....	3	—	3	—	3	—	—	—	—
With other specified pathological lesion in kidney (584.8) .....	—	—	—	—	—	—	—	—	—
Unspecified (584.9) .....	3,256	1,590	1,666	1,319	1,392	271	274	250	263
Chronic renal failure (585) .....	5,281	2,601	2,680	1,976	1,901	626	779	684	734
Renal failure, unspecified (586) .....	11,731	5,586	6,145	4,589	4,992	997	1,153	910	1,094
Renal sclerosis, unspecified (587) .....	62	29	34	26	30	2	4	2	4



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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Nephritis, nephrotic syndrome, and nephrosis-Con.									
Disorders resulting from impaired renal function (588)	43	20	23	12	19	8	4	8	3
Renal osteodystrophy (588.0)	10	4	6	2	5	2	1	2	1
Nephrogenic diabetes insipidus (588.1)	3	2	1	2	1	-	-	-	-
Other (588.8)	30	14	16	8	13	6	3	6	2
Unspecified (588.9)	-	-	-	-	-	-	-	-	-
Small kidney of unknown cause (589)	4	1	3	-	3	1	-	1	-
Unilateral (589.0)	-	-	-	-	-	-	-	-	-
Bilateral (589.1)	-	-	-	-	-	-	-	-	-
Unspecified (589.9)	4	1	3	-	3	1	-	1	-
Other diseases of urinary system (590-599)	17,256	8,579	10,677	5,326	9,059	1,253	1,618	1,165	1,504
Infections of kidney (590)	1,610	496	1,114	414	1,001	82	113	74	101
Chronic pyelonephritis and chronic pyonephrosis (590.0)	335	113	222	91	205	22	17	19	16
Acute pyelonephritis and acute pyonephrosis (590.1)	295	85	210	70	187	15	23	19	21
Renal and perinephric abscess (590.2)	99	21	78	19	63	2	15	1	11
Pyeloureteritis cystica (590.3)	-	-	-	-	-	-	-	-	-
Pyelonephritis or pyonephrosis, not specified as acute or chronic (590.8)	829	257	572	219	517	38	55	36	50
Infection of kidney, unspecified (590.9)	52	20	32	15	29	5	3	5	3
Hydronephrosis (591)	102	47	55	37	48	10	7	10	7
Calculus of kidney and ureter (592)	342	123	219	103	199	20	20	18	18
Calculus of kidney (592.0)	293	97	196	80	179	17	17	16	15
Calculus of ureter (592.1)	30	20	10	17	9	3	1	2	1
Urinary calculus, unspecified (592.9)	19	6	13	6	11	-	2	-	2
Other disorders of kidney and ureter (593)	2,991	1,524	1,467	1,090	1,019	434	448	406	420
Nephrotosis (593.0)	-	-	-	-	-	-	-	-	-
Hypertrophy of kidney (593.1)	-	-	-	-	-	-	-	-	-
Cyst of kidney, acquired (593.2)	6	1	5	1	5	-	-	-	-
Stricture or kinking of ureter (593.3)	2	-	2	-	2	-	-	-	-
Other ureteric obstruction (593.4)	77	37	40	33	33	4	7	4	7
Hydronephrosis (593.5)	1	1	-	1	-	-	-	-	-
Postural proteinuria (593.6)	-	-	-	-	-	-	-	-	-
Vesicoureteric reflux (593.7)	3	-	3	-	3	-	-	-	-
Other (593.8)	190	90	100	76	88	14	12	12	11
Unspecified (593.9)	2,712	1,395	1,317	979	868	416	429	390	402
Calculus of lower urinary tract (594)	21	15	6	14	4	1	2	1	2
Calculus in diverticulum of bladder (594.0)	-	-	-	-	-	-	-	-	-
Other calculus in bladder (594.1)	17	13	4	12	3	1	1	1	1
Calculus in urethra (594.2)	3	1	2	1	1	-	1	-	1
Other lower urinary tract calculus (594.8)	-	-	-	-	-	-	-	-	-
Unspecified (594.9)	1	1	-	1	-	-	-	-	-
Cystitis (595)	178	49	127	40	123	9	4	9	4
Acute cystitis (595.0)	23	7	16	6	14	1	2	1	2
Chronic interstitial cystitis (595.1)	2	1	1	1	1	-	-	-	-
Other chronic cystitis (595.2)	29	5	24	4	23	1	1	1	1
Trigonitis (595.3)	-	-	-	-	-	-	-	-	-
Other (595.8)	16	6	10	6	9	-	1	-	1
Unspecified (595.9)	106	30	76	23	76	7	7	7	7
Other disorders of bladder (596)	183	82	91	78	82	16	9	13	9
Bladder-neck obstruction (596.0)	37	32	5	25	5	7	-	6	-
Intestinovesical fistula (596.1)	66	21	45	17	42	4	3	3	3
Vesical fistula, not elsewhere classified (596.2)	7	4	3	4	3	-	-	-	-
Diverticulum of bladder (596.3)	2	1	1	1	1	-	-	-	-
Atony of bladder (596.4)	15	6	9	5	9	1	-	1	-
Other functional disorders of bladder (596.5)	6	1	5	1	5	-	-	-	-
Rupture of bladder, nontraumatic (596.6)	18	11	7	9	6	2	1	1	1
Hemorrhage into bladder wall (596.7)	2	2	-	-	-	-	-	-	-
Other (596.8)	23	11	12	9	7	2	5	2	5
Unspecified (596.9)	7	3	4	3	4	-	-	-	-
Urethritis, not sexually transmitted, and urethral syndrome (597)	10	6	4	4	4	2	-	2	-
Urethral abscess (597.0)	5	2	3	2	3	-	-	-	-
Other urethritis (597.8)	5	4	1	2	1	2	-	2	-
Urethral stricture (598)	43	41	2	30	2	11	-	11	-
Infective (598.0)	-	-	-	-	-	-	-	-	-
Traumatic (598.1)	-	-	-	-	-	-	-	-	-
Postoperative (598.2)	-	-	-	-	-	-	-	-	-
Other (598.8)	-	-	-	-	-	-	-	-	-
Unspecified (598.9)	43	41	2	30	2	11	-	11	-
Other disorders of urethra and urinary tract (599)	11,778	4,186	7,592	3,518	6,577	688	1,015	821	843
Urinary tract infection, site not specified (599.0)	11,443	3,854	7,489	3,316	6,485	628	1,004	591	622
Urethral fistula (599.1)	4	3	1	3	1	-	-	-	-
Urethral diverticulum (599.2)	-	-	-	-	-	-	-	-	-
Urethral caruncle (599.3)	-	-	-	-	-	-	-	-	-
Urethral false passage (599.4)	1	-	1	-	1	-	-	-	-
Prolapsed urethral mucosa (599.5)	-	-	-	-	-	-	-	-	-
Urinary obstruction, unspecified (599.6)	254	197	57	172	51	25	6	25	6
Hematuria (599.7)	38	17	21	14	19	3	2	3	2
Other (599.8)	7	4	3	3	3	1	-	1	-
Unspecified (599.9)	31	11	20	10	17	1	3	1	3



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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix ]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Diseases of male genital organs (600-608) .....	708	708	...	603	...	105	...	92	...
Hyperplasia of prostate (600) .....	454	454	...	391	...	63	...	58	...
Inflammatory diseases of prostate (601) .....	44	44	...	36	...	6	...	4	...
Acute prostatitis (601.0) .....	2	2	...	2	...	-	...	-	...
Chronic prostatitis (601.1) .....	6	6	...	5	...	1	...	-	...
Abscess of prostate (601.2) .....	5	5	...	5	...	-	...	-	...
Prostatocystitis (601.3) .....	-	-	...	-	...	-	...	-	...
Other (601.8) .....	-	-	...	-	...	-	...	-	...
Unspecified (601.9) .....	31	31	...	28	...	5	...	4	...
Other disorders of prostate (602) .....	123	123	...	109	...	14	...	11	...
Calculus of prostate (602.0) .....	-	-	...	-	...	-	...	-	...
Congestion or hemorrhage of prostate (602.1) .....	3	3	...	3	...	-	...	-	...
Atrophy of prostate (602.2) .....	1	1	...	1	...	-	...	-	...
Other (602.8) .....	-	-	...	-	...	-	...	-	...
Unspecified (602.9) .....	119	119	...	105	...	14	...	11	...
Hydrocele (603) .....	1	1	...	1	...	-	...	-	...
Encysted hydrocele (603.0) .....	-	-	...	-	...	-	...	-	...
Infected hydrocele (603.1) .....	-	-	...	-	...	-	...	-	...
Other (603.8) .....	-	-	...	-	...	-	...	-	...
Unspecified (603.9) .....	1	1	...	1	...	-	...	-	...
Orchitis and epididymitis (604) .....	13	13	...	9	...	4	...	3	...
Orchitis, epididymitis, and epididymo-orchitis, with abscess (604.0) .....	1	1	...	1	...	-	...	-	...
Orchitis, epididymitis, and epididymo-orchitis, without mention of abscess (604.9) .....	12	12	...	8	...	4	...	3	...
Redundant prepuce and phimosis (605) .....	2	2	...	2	...	-	...	-	...
Infertility, male (606) .....	-	-	...	-	...	-	...	-	...
Disorders of penis (607) .....	12	12	...	9	...	3	...	3	...
Leukoplakia of penis (607.0) .....	-	-	...	-	...	-	...	-	...
Balanoposthitis (607.1) .....	-	-	...	-	...	-	...	-	...
Other inflammatory disorders of penis (607.2) .....	8	8	...	5	...	3	...	3	...
Priapism (607.3) .....	1	1	...	1	...	-	...	-	...
Other (607.8) .....	1	1	...	1	...	-	...	-	...
Unspecified (607.9) .....	3	3	...	3	...	-	...	-	...
Other disorders of male genital organs (608) .....	59	59	...	44	...	15	...	13	...
Seminal vesiculitis (608.0) .....	-	-	...	-	...	-	...	-	...
Spermatocele (608.1) .....	-	-	...	-	...	-	...	-	...
Torsion of testis (608.2) .....	-	-	...	-	...	-	...	-	...
Atrophy of testis (608.3) .....	-	-	...	-	...	-	...	-	...
Other inflammatory disorders of male genital organs (608.4) .....	38	38	...	30	...	8	...	7	...
Other (608.8) .....	20	20	...	14	...	6	...	5	...
Unspecified (608.9) .....	1	1	...	-	...	1	...	1	...
Disorders of breast (610-611) .....	35	1	34	1	29	-	5	-	5
Benign mammary dysplasias (610) .....	-	-	-	-	-	-	-	-	-
Solitary cyst of breast (610.0) .....	-	-	-	-	-	-	-	-	-
Diffuse cystic mastopathy (610.1) .....	-	-	-	-	-	-	-	-	-
Fibroadenosis of breast (610.2) .....	-	-	-	-	-	-	-	-	-
Fibrosclerosis of breast (610.3) .....	-	-	-	-	-	-	-	-	-
Mammary duct ectasia (610.4) .....	-	-	-	-	-	-	-	-	-
Other (610.8) .....	-	-	-	-	-	-	-	-	-
Mammary dysplasia, unspecified (610.9) .....	-	-	-	-	-	-	-	-	-
Other disorders of breast (611) .....	35	1	34	1	29	-	5	-	5
Inflammatory disease of breast (611.0) .....	5	-	5	-	3	-	2	-	2
Hypertrophy of breast (611.1) .....	-	-	-	-	-	-	-	-	-
Fissure of nipple (611.2) .....	-	-	-	-	-	-	-	-	-
Fat necrosis of breast (611.3) .....	1	-	1	-	1	-	-	-	-
Atrophy of breast (611.4) .....	-	-	-	-	-	-	-	-	-
Galactocele (611.5) .....	-	...	-	...	-	...	-	...	-
Galactorrhea not associated with childbirth (611.6) .....	-	...	-	...	-	...	-	...	-
Signs and symptoms in breast (611.7) .....	1	-	1	-	1	-	-	-	-
Other (611.8) .....	1	-	1	-	1	-	-	-	-
Unspecified (611.9) .....	27	1	28	1	23	-	3	-	3
Inflammatory disease of female pelvic organs (614-616) .....	144	...	144	...	99	...	45	...	41
Inflammatory disease of ovary, fallopian tube, pelvic cellular tissue, and peritoneum (614) .....	111	...	111	...	73	...	38	...	35
Acute salpingitis and oophoritis (614.0) .....	1	...	1	...	-	...	1	...	1
Chronic salpingitis and oophoritis (614.1) .....	-	...	-	...	-	...	-	...	-
Salpingitis and oophoritis, not specified as acute, subacute, or chronic (614.2) .....	24	...	24	...	15	...	9	...	9
Acute parametritis and pelvic cellulitis (614.3) .....	-	...	-	...	-	...	-	...	-
Chronic or unspecified parametritis and pelvic cellulitis (614.4) .....	68	...	68	...	49	...	19	...	17
Acute or unspecified pelvic peritonitis, female (614.5) .....	3	...	3	...	2	...	1	...	1
Pelvic peritoneal adhesions, female (614.6) .....	3	...	3	...	2	...	1	...	1
Other chronic pelvic peritonitis, female (614.7) .....	-	...	-	...	-	...	-	...	-
Other specified inflammatory disease of female pelvic organs and tissues (614.8) .....	1	...	1	...	-	...	1	...	1
Unspecified inflammatory disease of female pelvic organs and tissues (614.9) .....	11	...	11	...	5	...	6	...	5
Inflammatory diseases of uterus, except cervix (615) .....	15	...	15	...	11	...	4	...	3
Acute (615.0) .....	-	...	-	...	-	...	-	...	-
Chronic (615.1) .....	1	...	1	...	1	...	-	...	-
Unspecified (615.9) .....	14	...	14	...	10	...	4	...	3
Inflammatory disease of cervix, vagina, and vulva (616) .....	10	...	10	...	15	...	3	...	3
Cervicitis and endocervicitis (616.0) .....	-	...	-	...	-	...	-	...	-
Vaginitis and vulvovaginitis (616.1) .....	9	...	9	...	8	...	1	...	1
Cyst of Bartholin's gland (616.2) .....	-	...	-	...	-	...	-	...	-
Abscess of Bartholin's gland (616.3) .....	-	...	-	...	-	...	-	...	-
Other abscess of vulva (616.4) .....	7	...	7	...	5	...	2	...	2
Ulceration of vulva (616.5) .....	1	...	1	...	1	...	-	...	-

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Diseases of male genital organs (600-608)	0.3	0.8	...	0.8	...	0.6	...	0.6	...
Hyperplasia of prostate (600)	.2	.4	...	.4	...	.3	...	.4	...
Inflammatory diseases of prostate (601)	.0	.0	...	.0	...	.0	...	.0	...
Acute prostatitis (601.0)	.0	.0	...	.0	...	.0	...	.0	...
Chronic prostatitis (601.1)	.0	.0	...	.0	...	.0	...	.0	...
Abscess of prostate (601.2)	.0	.0	...	.0	...	.0	...	.0	...
Prostatocystitis (601.3)	.0	.0	...	.0	...	.0	...	.0	...
Other (601.8)	.0	.0	...	.0	...	.0	...	.0	...
Unspecified (601.8)	.0	.0	...	.0	...	.0	...	.0	...
Other disorders of prostate (602)	.1	.1	...	.1	...	.1	...	.1	...
Calculus of prostate (602.0)	.0	.0	...	.0	...	.0	...	.0	...
Congestion or hemorrhage of prostate (602.1)	.0	.0	...	.0	...	.0	...	.0	...
Atrophy of prostate (602.2)	.0	.0	...	.0	...	.0	...	.0	...
Other (602.8)	.0	.0	...	.0	...	.0	...	.0	...
Unspecified (602.8)	.0	.1	...	.1	...	.1	...	.1	...
Hydrocele (603)	.0	.0	...	.0	...	.0	...	.0	...
Encysted hydrocele (603.0)	.0	.0	...	.0	...	.0	...	.0	...
Infected hydrocele (603.1)	.0	.0	...	.0	...	.0	...	.0	...
Other (603.8)	.0	.0	...	.0	...	.0	...	.0	...
Unspecified (603.8)	.0	.0	...	.0	...	.0	...	.0	...
Orchitis and epididymitis (604)	.0	.0	...	.0	...	.0	...	.0	...
Orchitis, epididymitis, and epididymo-orchitis, with abscess (604.0)	.0	.0	...	.0	...	.0	...	.0	...
Orchitis, epididymitis, and epididymo-orchitis, without mention of abscess (604.9)	.0	.0	...	.0	...	.0	...	.0	...
Redundant prepuce and phimosis (605)	.0	.0	...	.0	...	.0	...	.0	...
Infertility, male (606)	.0	.0	...	.0	...	.0	...	.0	...
Disorders of penis (607)	.0	.0	...	.0	...	.0	...	.0	...
Leukoplakia of penis (607.0)	.0	.0	...	.0	...	.0	...	.0	...
Balanoposthitis (607.1)	.0	.0	...	.0	...	.0	...	.0	...
Other inflammatory disorders of penis (607.2)	.0	.0	...	.0	...	.0	...	.0	...
Priapism (607.3)	.0	.0	...	.0	...	.0	...	.0	...
Other (607.8)	.0	.0	...	.0	...	.0	...	.0	...
Unspecified (607.8)	.0	.0	...	.0	...	.0	...	.0	...
Other disorders of male genital organs (608)	.0	.0	...	.0	...	.1	...	.1	...
Seminal vesiculitis (608.0)	.0	.0	...	.0	...	.0	...	.0	...
Spermatocoele (608.1)	.0	.0	...	.0	...	.0	...	.0	...
Torsion of testis (608.2)	.0	.0	...	.0	...	.0	...	.0	...
Atrophy of testis (608.3)	.0	.0	...	.0	...	.0	...	.0	...
Other inflammatory disorders of male genital organs (608.4)	.0	.0	...	.0	...	.0	...	.0	...
Other (608.8)	.0	.0	...	.0	...	.0	...	.0	...
Unspecified (608.8)	.0	.0	...	.0	...	.0	...	.0	...
Disorders of breast (610-611)	.0	.0	0.0	.0	0.0	.0	0.0	.0	0.0
Benign mammary dysplasias (610)	.0	.0	...	.0	...	.0	...	.0	...
Solitary cyst of breast (610.0)	.0	.0	...	.0	...	.0	...	.0	...
Diffuse cystic mastopathy (610.1)	.0	.0	...	.0	...	.0	...	.0	...
Fibroadenosis of breast (610.2)	.0	.0	...	.0	...	.0	...	.0	...
Fibrosclerosis of breast (610.3)	.0	.0	...	.0	...	.0	...	.0	...
Mammary duct ectasia (610.4)	.0	.0	...	.0	...	.0	...	.0	...
Other (610.8)	.0	.0	...	.0	...	.0	...	.0	...
Mammary dysplasia, unspecified (610.9)	.0	.0	...	.0	...	.0	...	.0	...
Other disorders of breast (611)	.0	.0	...	.0	...	.0	...	.0	...
Inflammatory disease of breast (611.0)	.0	.0	...	.0	...	.0	...	.0	...
Hypertrophy of breast (611.1)	.0	.0	...	.0	...	.0	...	.0	...
Fissure of nipple (611.2)	.0	.0	...	.0	...	.0	...	.0	...
Fat necrosis of breast (611.3)	.0	.0	...	.0	...	.0	...	.0	...
Atrophy of breast (611.4)	.0	.0	...	.0	...	.0	...	.0	...
Galactocoele (611.5)	.0	.0	...	.0	...	.0	...	.0	...
Galactorrhea not associated with childbirth (611.6)	.0	.0	...	.0	...	.0	...	.0	...
Signs and symptoms in breast (611.7)	.0	.0	...	.0	...	.0	...	.0	...
Other (611.8)	.0	.0	...	.0	...	.0	...	.0	...
Unspecified (611.8)	.0	.0	...	.0	...	.0	...	.0	...
Inflammatory disease of female pelvic organs (614-616)	.1	...	.1	...	.1	...	.2	...	.3
Inflammatory disease of ovary, fallopian tube, pelvic cellular tissue, and peritoneum (614)	.0	...	.1	...	.1	...	.2	...	.2
Acute salpingitis and oophoritis (614.0)	.0	...	.0	...	.0	...	.0	...	.0
Chronic salpingitis and oophoritis (614.1)	.0	...	.0	...	.0	...	.0	...	.0
Salpingitis and oophoritis, not specified as acute, subacute, or chronic (614.2)	.0	...	.0	...	.0	...	.0	...	.1
Acute parametritis and pelvic cellulitis (614.3)	.0	...	.0	...	.0	...	.0	...	.0
Chronic or unspecified parametritis and pelvic cellulitis (614.4)	.0	...	.1	...	.1	...	.1	...	.1
Acute or unspecified pelvic peritonitis, female (614.5)	.0	...	.0	...	.0	...	.0	...	.0
Pelvic peritoneal adhesions, female (614.6)	.0	...	.0	...	.0	...	.0	...	.0
Other chronic pelvic peritonitis, female (614.7)	.0	...	.0	...	.0	...	.0	...	.0
Other specified inflammatory disease of female pelvic organs and tissues (614.8)	.0	...	.0	...	.0	...	.0	...	.0
Unspecified inflammatory disease of female pelvic organs and tissues (614.9)	.0	...	.0	...	.0	...	.0	...	.0
Inflammatory diseases of uterus, except cervix (615)	.0	...	.0	...	.0	...	.0	...	.0
Acute (615.0)	.0	...	.0	...	.0	...	.0	...	.0
Chronic (615.1)	.0	...	.0	...	.0	...	.0	...	.0
Unspecified (615.9)	.0	...	.0	...	.0	...	.0	...	.0
Inflammatory disease of cervix, vagina, and vulva (616)	.0	...	.0	...	.0	...	.0	...	.0
Cervicitis and endocervicitis (616.0)	.0	...	.0	...	.0	...	.0	...	.0
Vaginitis and vulvovaginitis (616.1)	.0	...	.0	...	.0	...	.0	...	.0
Cyst of Bartholin's gland (616.2)	.0	...	.0	...	.0	...	.0	...	.0
Abscess of Bartholin's gland (616.3)	.0	...	.0	...	.0	...	.0	...	.0
Other abscess of vulva (616.4)	.0	...	.0	...	.0	...	.0	...	.0
Ulceration of vulva (616.5)	.0	...	.0	...	.0	...	.0	...	.0











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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Pregnancy with abortive outcome—Con.									
Unspecified abortion (637)	8	...	8	...	3	...	5	...	5
Complicated by genital tract and pelvic infection (637.0)	1	...	1	...	—	...	1	...	1
Complicated by delayed or excessive hemorrhage (637.1)	—	...	—	...	—	...	—	...	—
Complicated by damage to pelvic organs and tissues (637.2)	1	...	1	...	—	...	1	...	1
Complicated by renal failure (637.3)	—	...	—	...	—	...	—	...	—
Complicated by metabolic disorder (637.4)	—	...	—	...	—	...	—	...	—
Complicated by shock (637.5)	2	...	2	...	1	...	1	...	1
Complicated by embolism (637.6)	2	...	2	...	1	...	1	...	1
With other specified complications (637.7)	1	...	1	...	—	...	1	...	1
With unspecified complications (637.8)	—	...	—	...	—	...	—	...	—
Without mention of complication (637.9)	1	...	1	...	1	...	—	...	—
Failed attempted abortion (638)	—	...	—	...	—	...	—	...	—
Complicated by genital tract and pelvic infection (638.0)	—	...	—	...	—	...	—	...	—
Complicated by delayed or excessive hemorrhage (638.1)	—	...	—	...	—	...	—	...	—
Complicated by damage to pelvic organs and tissues (638.2)	—	...	—	...	—	...	—	...	—
Complicated by renal failure (638.3)	—	...	—	...	—	...	—	...	—
Complicated by metabolic disorder (638.4)	—	...	—	...	—	...	—	...	—
Complicated by shock (638.5)	—	...	—	...	—	...	—	...	—
Complicated by embolism (638.6)	—	...	—	...	—	...	—	...	—
With other specified complications (638.7)	—	...	—	...	—	...	—	...	—
With unspecified complications (638.8)	—	...	—	...	—	...	—	...	—
Without mention of complication (638.9)	—	...	—	...	—	...	—	...	—
Complications mainly related to pregnancy (640-648)	109	...	109	...	65	...	44	...	37
Hemorrhage in early pregnancy (640)	—	...	—	...	—	...	—	...	—
Antepartum hemorrhage, abruptio placentae, and placenta praevia (641)	23	...	23	...	13	...	10	...	6
Hypertension complicating pregnancy, childbirth, and the puerperium (642)	59	...	59	...	37	...	22	...	21
Benign essential hypertension complicating pregnancy, childbirth, and the puerperium (642.0)	1	...	1	...	1	...	—	...	—
Hypertension secondary to renal disease, complicating pregnancy, childbirth, and the puerperium (642.1)	—	...	—	...	—	...	—	...	—
Other pre-existing hypertension complicating pregnancy, childbirth, and the puerperium (642.2)	—	...	—	...	—	...	—	...	—
Transient hypertension of pregnancy (642.3)	—	...	—	...	—	...	—	...	—
Mild or unspecified pre-eclampsia (642.4)	24	...	24	...	17	...	7	...	7
Severe pre-eclampsia (642.5)	4	...	4	...	2	...	2	...	2
Eclampsia (642.6)	23	...	23	...	13	...	10	...	9
Pre-eclampsia or eclampsia superimposed on pre-existing hypertension (642.7)	1	...	1	...	1	...	—	...	—
Unspecified hypertension complicating pregnancy, childbirth, and the puerperium (642.9)	6	...	6	...	3	...	3	...	3
Excessive vomiting in pregnancy (643)	—	...	—	...	—	...	—	...	—
Early or threatened labor (644)	1	...	1	...	1	...	—	...	—
Prolonged pregnancy (645)	—	...	—	...	—	...	—	...	—
Other complications of pregnancy, not elsewhere classified (646)	10	...	10	...	7	...	3	...	1
Papraceous fetus (646.0)	—	...	—	...	—	...	—	...	—
Edema or excessive weight gain in pregnancy without mention of hypertension (646.1)	1	...	1	...	1	...	—	...	—
Unspecified renal disease in pregnancy without mention of hypertension (646.2)	—	...	—	...	—	...	—	...	—
Habitual aborter (646.3)	—	...	—	...	—	...	—	...	—
Peripheral neuritis in pregnancy (646.4)	—	...	—	...	—	...	—	...	—
Asymptomatic bacteriuria in pregnancy (646.5)	—	...	—	...	—	...	—	...	—
Infections of genitourinary tract in pregnancy (646.6)	4	...	4	...	1	...	3	...	1
Liver disorders in pregnancy (646.7)	3	...	3	...	3	...	—	...	—
Other specified complications of pregnancy (646.8)	2	...	2	...	2	...	—	...	—
Unspecified complication of pregnancy (646.9)	—	...	—	...	—	...	—	...	—
Infective and parasitic conditions in the mother classifiable elsewhere but complicating pregnancy, childbirth, and the puerperium (647)	4	...	4	...	1	...	3	...	3
Syphilis (647.0)	—	...	—	...	—	...	—	...	—
Gonorrhea (647.1)	—	...	—	...	—	...	—	...	—
Other venereal diseases (647.2)	—	...	—	...	—	...	—	...	—
Tuberculosis (647.3)	—	...	—	...	—	...	—	...	—
Malaria (647.4)	—	...	—	...	—	...	—	...	—
Rubella (647.5)	—	...	—	...	—	...	—	...	—
Other viral diseases (647.6)	1	...	1	...	1	...	—	...	—
Other specified infective and parasitic diseases (647.8)	3	...	3	...	—	...	3	...	3
Unspecified infection or infestation (647.9)	—	...	—	...	—	...	—	...	—
Other current conditions in the mother classifiable elsewhere but complicating pregnancy, childbirth, and the puerperium (648)	12	...	12	...	6	...	6	...	6
Diabetes mellitus (648.0)	—	...	—	...	—	...	—	...	—
Thyroid dysfunction (648.1)	—	...	—	...	—	...	—	...	—
Anemia (648.2)	—	...	—	...	—	...	—	...	—
Drug dependence (648.3)	—	...	—	...	—	...	—	...	—
Mental disorders (648.4)	—	...	—	...	—	...	—	...	—
Congenital cardiovascular disorders (648.5)	—	...	—	...	—	...	—	...	—
Other cardiovascular diseases (648.6)	8	...	8	...	6	...	2	...	2
Bone and joint disorders of back, pelvis, and lower limbs (648.7)	—	...	—	...	—	...	—	...	—
Abnormal glucose tolerance (648.8)	—	...	—	...	—	...	—	...	—
Other (648.9)	4	...	4	...	—	...	4	...	4
Normal delivery, and other indications for care in pregnancy, labor, and delivery (650-658)	8	...	8	...	6	...	2	...	2
Delivery in a completely normal case (650)	1	...	1	...	1	...	—	...	—
Multiple gestation (651)	1	...	1	...	—	...	1	...	1
Malposition and malpresentation of fetus (652)	—	...	—	...	—	...	—	...	—
Disproportion (653)	2	...	2	...	2	...	—	...	—
Abnormality of organs and soft tissues of pelvis (654)	—	...	—	...	—	...	—	...	—



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Table 1-23. Deaths and Death Rates for Each Cause, by Race, and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Normal delivery, and other indications for care in pregnancy, labor, and delivery-Con.									
Known or suspected fetal abnormality affecting management of mother (855)	—	—	—	—	—	—	—	—	—
Other fetal and placental problems affecting management of mother (858)	1	—	1	—	—	—	1	—	1
Polyhydramnios (857)	—	—	—	—	—	—	—	—	—
Other problems associated with amniotic cavity and membranes (858)	3	—	3	—	3	—	—	—	—
Other indications for care or intervention related to labor and delivery and not elsewhere classified (859)	—	—	—	—	—	—	—	—	—
Complications occurring mainly in the course of labor and delivery (860-868)	42	—	42	—	22	—	20	—	16
Obstructed labor (860)	—	—	—	—	—	—	—	—	—
Abnormality of forces of labor (861)	—	—	—	—	—	—	—	—	—
Long labor (862)	—	—	—	—	—	—	—	—	—
Umbilical cord complications (863)	1	—	1	—	—	—	1	—	1
Trauma to perineum and vulva during delivery (864)	—	—	—	—	—	—	—	—	—
Other obstetrical trauma (865)	3	—	3	—	2	—	1	—	1
Postpartum hemorrhage (866)	12	—	12	—	6	—	6	—	2
Retained placenta or membranes without hemorrhage (867)	1	—	1	—	1	—	—	—	—
Complications of the administration of anesthetic or other sedation in labor and delivery (868)	3	—	3	—	1	—	2	—	2
Other complications of labor and delivery, not elsewhere classified (869)	22	—	22	—	12	—	10	—	10
Complications of the puerperium (870-876)	110	—	110	—	64	—	46	—	41
Major puerperal infection (870)	9	—	9	—	8	—	1	—	1
Venous complications in pregnancy and the puerperium (871)	15	—	15	—	9	—	6	—	6
Pyrexia of unknown origin during the puerperium (872)	—	—	—	—	—	—	—	—	—
Obstetrical pulmonary embolism (873)	47	—	47	—	29	—	18	—	15
Other and unspecified complications of the puerperium, not elsewhere classified (874)	39	—	39	—	18	—	21	—	19
Infections of the breast and nipple associated with childbirth (875)	—	—	—	—	—	—	—	—	—
Other disorders of the breast associated with childbirth and disorders of lactation (876)	—	—	—	—	—	—	—	—	—
<b>XII. Diseases of the skin and subcutaneous tissue (880-708)</b>									
Infections of skin and subcutaneous tissue (880-885)	791	318	473	268	398	50	75	49	70
Carbuncle and furuncle (880)	4	1	3	1	3	—	—	—	—
Face (880.0)	1	—	1	—	1	—	—	—	—
Neck (880.1)	1	1	—	1	—	—	—	—	—
Trunk (880.2)	—	—	—	—	—	—	—	—	—
Upper arm and forearm (880.3)	—	—	—	—	—	—	—	—	—
Hand (880.4)	—	—	—	—	—	—	—	—	—
Buttock (880.5)	—	—	—	—	—	—	—	—	—
Leg, except foot (880.6)	—	—	—	—	—	—	—	—	—
Foot (880.7)	—	—	—	—	—	—	—	—	—
Other specified site (880.8)	1	—	1	—	1	—	—	—	—
Unspecified site (880.9)	1	—	1	—	1	—	—	—	—
Cellulitis and abscess of finger and toe (881)	—	—	—	—	—	—	—	—	—
Finger (881.0)	—	—	—	—	—	—	—	—	—
Toe (881.1)	—	—	—	—	—	—	—	—	—
Unspecified digit (881.9)	—	—	—	—	—	—	—	—	—
Other cellulitis and abscess (882)	618	254	364	213	306	41	58	40	53
Face (882.0)	17	6	11	5	9	1	2	1	2
Neck (882.1)	13	8	5	7	5	1	—	—	—
Trunk (882.2)	79	30	49	24	40	6	9	6	8
Upper arm and forearm (882.3)	36	17	19	14	16	3	3	3	3
Hand, except fingers (882.4)	14	6	8	5	7	1	1	1	1
Buttock (882.5)	18	7	11	7	8	—	3	—	2
Leg, except foot (882.6)	181	75	116	63	98	12	20	12	20
Foot, except toes (882.7)	32	13	19	11	16	2	3	2	2
Other specified site (882.8)	7	2	5	2	4	—	1	—	1
Unspecified site (882.9)	211	90	121	75	105	15	16	14	14
Acute lymphadenitis (883)	2	—	2	—	2	—	—	—	—
Impetigo (884)	6	2	4	1	4	1	—	1	—
Pilonidal cyst (885)	3	1	2	1	2	—	—	—	—
With abscess (885.0)	1	—	1	—	1	—	—	—	—
Without mention of abscess (885.1)	2	1	1	1	1	—	—	—	—
Other local infections of skin and subcutaneous tissue (886)	158	60	98	52	81	8	17	8	17
Pyoderma (886.0)	4	1	3	1	3	—	—	—	—
Pyogenic granuloma (886.1)	12	5	7	4	5	1	2	1	2
Other local infections of skin and subcutaneous tissue (886.8)	1	—	1	—	1	—	—	—	—
Unspecified local infections of skin and subcutaneous tissue (886.9)	141	54	87	47	72	7	15	7	15

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Normal delivery, and other indications for care in pregnancy, labor, and delivery-Con.									
Known or suspected fetal abnormality affecting management of mother (855)	-	...	-	...	-	...	-	...	-
Other fetal and placental problems affecting management of mother (858)	0.0	...	0.0	...	-	...	0.0	...	0.0
Polyhydramnios (857)	-	...	-	...	-	...	-	...	-
Other problems associated with amniotic cavity and membranes (858)	.0	...	.0	...	0.0	...	-	...	-
Other indications for care or intervention related to labor and delivery and not elsewhere classified (859)	-	...	-	...	-	...	-	...	-
Complications occurring mainly in the course of labor and delivery (860-869)	.0	...	.0	...	.0	...	.1	...	.1
Obstructed labor (860)	-	...	-	...	-	...	-	...	-
Abnormality of forces of labor (861)	-	...	-	...	-	...	-	...	-
Long labor (862)	-	...	-	...	-	...	-	...	-
Umbilical cord complications (863)	.0	...	.0	...	-	...	.0	...	.0
Trauma to perineum and vulva during delivery (864)	-	...	-	...	-	...	-	...	-
Other obstetrical trauma (865)	.0	...	.0	...	.0	...	.0	...	.0
Postpartum hemorrhage (866)	.0	...	.0	...	.0	...	.0	...	.0
Retained placenta or membranes without hemorrhage (867)	.0	...	.0	...	.0	...	-	...	-
Complications of the administration of anesthetic or other sedation in labor and delivery (868)	.0	...	.0	...	.0	...	.0	...	.0
Other complications of labor and delivery, not elsewhere classified (869)	.0	...	.0	...	.0	...	.0	...	.1
Complications of the puerperium (870-876)	.0	...	.1	...	.1	...	.2	...	.3
Major puerperal infection (870)	.0	...	.0	...	.0	...	.0	...	.0
Venous complications in pregnancy and the puerperium (871)	.0	...	.0	...	.0	...	.0	...	.0
Pyrexia of unknown origin during the puerperium (872)	-	...	-	...	-	...	-	...	-
Obstetrical pulmonary embolism (873)	.0	...	.0	...	.0	...	.1	...	.1
Other and unspecified complications of the puerperium, not elsewhere classified (874)	.0	...	.0	...	.0	...	.1	...	.1
Infections of the breast and nipple associated with childbirth (875)	-	...	-	...	-	...	-	...	-
Other disorders of the breast associated with childbirth and disorders of lactation (876)	-	...	-	...	-	...	-	...	-
XII. Diseases of the skin and subcutaneous tissue (880-709)									
Infections of skin and subcutaneous tissue (880-886)	.3	0.3	.4	0.3	.4	0.3	.4	0.3	.4
Carbuncle and furuncle (880)	.0	.0	.0	.0	.0	-	-	-	-
Face (880.0)	.0	-	.0	-	.0	-	-	-	-
Neck (880.1)	.0	.0	.0	.0	.0	-	-	-	-
Trunk (880.2)	-	-	-	-	-	-	-	-	-
Upper arm and forearm (880.3)	-	-	-	-	-	-	-	-	-
Hand (880.4)	-	-	-	-	-	-	-	-	-
Buttock (880.5)	-	-	-	-	-	-	-	-	-
Leg, except foot (880.6)	-	-	-	-	-	-	-	-	-
Foot (880.7)	-	-	-	-	-	-	-	-	-
Other specified site (880.8)	.0	-	.0	-	.0	-	-	-	-
Unspecified site (880.9)	.0	-	.0	-	.0	-	-	-	-
Cellulitis and abscess of finger and toe (881)	-	-	-	-	-	-	-	-	-
Finger (881.0)	-	-	-	-	-	-	-	-	-
Toe (881.1)	-	-	-	-	-	-	-	-	-
Unspecified digit (881.9)	-	-	-	-	-	-	-	-	-
Other cellulitis and abscess (882)	.3	.2	.3	.2	.3	.2	.3	.3	.3
Face (882.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Neck (882.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Trunk (882.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Upper arm and forearm (882.3)	.0	.0	.0	.0	.0	.0	.0	.0	.1
Hand, except fingers (882.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Buttock (882.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Leg, except foot (882.6)	.0	.0	.0	.0	.0	-	.0	-	.0
Foot, except toes (882.7)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Other specified site (882.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified site (882.9)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Acute lymphadenitis (883)	.0	-	.0	-	.0	-	-	-	-
Impetigo (884)	.0	.0	.0	.0	.0	.0	-	.0	-
Filonidal cyst (885)	.0	.0	.0	.0	.0	-	-	-	-
With abscess (885.0)	.0	-	.0	-	.0	-	-	-	-
Without mention of abscess (885.1)	.0	.0	.0	.0	.0	-	-	-	-
Other local infections of skin and subcutaneous tissue (888)	.1	.1	.1	.1	.1	.0	.1	.1	.1
Pyoderma (888.0)	.0	.0	.0	.0	.0	-	-	-	-
Pyogenic granuloma (888.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other local infections of skin and subcutaneous tissue (888.8)	.0	.0	.0	.0	.0	-	-	-	-
Unspecified local infections of skin and subcutaneous tissue (888.9)	.1	.0	.1	.0	.1	.0	.1	.0	.1





















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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Other acquired deformities of limbs-Con.									
Acquired deformities of other parts of limbs (736.8)	1	-	1	-	-	-	1	-	1
Acquired deformity of limb, site unspecified (736.9)	-	-	-	-	-	-	-	-	-
Curvature of spine (737)	283	72	211	66	203	6	8	6	8
Adolescent postural kyphosis (737.0)	1	-	1	-	1	-	-	-	-
Kyphosis, acquired (737.1)	68	8	59	8	59	-	-	-	-
Lordosis, acquired (postural) (737.2)	1	-	1	-	1	-	-	-	-
Kyphoscoliosis and scoliosis (737.3)	213	62	151	58	143	6	8	6	8
Other (737.8)	-	-	-	-	-	-	-	-	-
Unspecified (737.9)	-	-	-	-	-	-	-	-	-
Other acquired deformity (738)	10	4	6	4	6	-	-	-	-
Acquired deformity of nose (738.0)	-	-	-	-	-	-	-	-	-
Other acquired deformity of head (738.1)	-	-	-	-	-	-	-	-	-
Acquired deformity of neck (738.2)	-	-	-	-	-	-	-	-	-
Acquired deformity of chest and rib (738.3)	8	3	5	3	5	-	-	-	-
Acquired spondylolisthesis (738.4)	-	-	-	-	-	-	-	-	-
Other acquired deformity of back or spine (738.5)	-	-	-	-	-	-	-	-	-
Acquired deformity of pelvis (738.6)	-	-	-	-	-	-	-	-	-
Cauliflower ear (738.7)	-	-	-	-	-	-	-	-	-
Acquired deformity of other specified site (738.8)	-	-	-	-	-	-	-	-	-
Acquired deformity of unspecified site (738.9)	2	1	1	1	1	-	-	-	-
Nonallopathic lesions, not elsewhere classified (739)									
Head region (739.0)	-	-	-	-	-	-	-	-	-
Cervical region (739.1)	-	-	-	-	-	-	-	-	-
Thoracic region (739.2)	-	-	-	-	-	-	-	-	-
Lumbar region (739.3)	-	-	-	-	-	-	-	-	-
Sacral region (739.4)	-	-	-	-	-	-	-	-	-
Pelvic region (739.5)	-	-	-	-	-	-	-	-	-
Lower extremities (739.6)	-	-	-	-	-	-	-	-	-
Upper extremities (739.7)	-	-	-	-	-	-	-	-	-
Flb cage (739.8)	-	-	-	-	-	-	-	-	-
Abdomen and other (739.9)	-	-	-	-	-	-	-	-	-
XIV. Congenital anomalies (740-759)									
Congenital anomalies (740-759)	12,753	6,775	5,978	5,491	4,843	1,284	1,135	1,069	950
Anencephalus and similar anomalies (740)	545	209	336	176	281	33	55	22	44
Anencephalus (740.0)	540	208	332	175	277	33	55	22	44
Craniorachischisis (740.1)	2	-	2	-	2	-	-	-	-
Iniencephaly (740.2)	3	1	2	1	2	-	-	-	-
Spina bifida (741)	167	75	92	60	82	15	10	14	10
With hydrocephalus (741.0)	101	50	51	40	46	10	5	10	5
Without mention of hydrocephalus (741.9)	66	25	41	20	36	5	5	4	5
Other congenital anomalies of nervous system (742)	1,006	527	479	425	386	102	83	85	70
Encephalocele (742.0)	87	34	53	29	26	5	7	5	6
Microcephalus (742.1)	110	52	58	38	45	14	13	13	9
Reduction deformities of brain (742.2)	139	60	79	46	64	14	15	11	12
Congenital hydrocephalus (742.3)	290	159	131	125	100	34	31	26	29
Other specified anomalies of brain (742.4)	57	32	25	24	21	8	4	7	2
Other specified anomalies of spinal cord (742.5)	142	78	64	78	62	2	2	2	2
Other specified anomalies of nervous system (742.8)	19	6	13	5	11	1	2	1	2
Unspecified anomalies of brain, spinal cord, and nervous system (742.9)	182	106	76	80	67	26	9	22	8
Congenital anomalies of eye (743)	3	2	1	2	1	-	-	-	-
Anophthalmos (743.0)	1	1	-	1	-	-	-	-	-
Microphthalmos (743.1)	-	-	-	-	-	-	-	-	-
Buphthalmos (743.2)	-	-	-	-	-	-	-	-	-
Congenital cataract and lens anomalies (743.3)	-	-	-	-	-	-	-	-	-
Coloboma and other anomalies of anterior segments (743.4)	-	-	-	-	-	-	-	-	-
Congenital anomalies of posterior segment (743.5)	-	-	-	-	-	-	-	-	-
Congenital anomalies of eyelids, lacrimal system, and orbit (743.8)	-	-	-	-	-	-	-	-	-
Other specified anomalies of eye (743.8)	1	-	1	-	1	-	-	-	-
Unspecified anomalies of eye (743.9)	1	1	-	1	-	-	-	-	-
Congenital anomalies of ear, face, and neck (744)	6	5	1	2	1	3	-	3	-
Anomalies of ear causing impairment of hearing (744.0)	-	-	-	-	-	-	-	-	-
Accessory auricle (744.1)	-	-	-	-	-	-	-	-	-
Other specified anomalies of ear (744.2)	-	-	-	-	-	-	-	-	-
Unspecified anomalies of ear (744.3)	1	-	1	-	1	-	-	-	-
Branchial cleft, cyst or fistula; preauricular sinus (744.4)	-	-	-	-	-	-	-	-	-
Webbing of neck (744.5)	1	1	-	-	-	1	-	1	-
Other specified anomalies of face and neck (744.6)	2	2	-	1	-	1	-	1	-
Unspecified anomalies of face and neck (744.9)	2	2	-	1	-	1	-	1	-
Bulbus cordis anomalies and anomalies of cardiac septal closure (745)	1,540	791	749	649	618	142	131	105	110
Common truncus (745.0)	119	63	56	50	49	13	7	11	6
Transposition of great vessels (745.1)	275	182	93	154	82	28	11	23	9
Tetralogy of Fallot (745.2)	255	136	119	115	96	21	23	15	17
Common ventricle (745.3)	63	43	20	31	19	12	1	6	1
Ventricular septal defect (745.4)	439	211	228	174	183	37	46	28	38
Ostium secundum type atrial septal defect (745.5)	205	75	130	64	107	11	23	7	22
Endocardial cushion defects (745.6)	170	76	94	57	76	19	18	15	16
Cor biloculare (745.7)	1	-	1	-	1	-	-	-	-
Other (745.8)	-	-	-	-	-	-	-	-	-
Unspecified defect of septal closure (745.9)	13	5	8	4	5	1	3	1	1
Other congenital anomalies of heart (746)	3,030	1,696	1,334	1,388	1,082	308	252	257	213
Anomalies of pulmonary valve (746.0)	43	23	20	18	15	5	5	5	5
Tricuspid atresia and stenosis, congenital (746.1)	42	25	17	21	15	4	2	4	2
Ebstein's anomaly (746.2)	64	26	38	20	29	6	9	4	7
Congenital stenosis of aortic valve (746.3)	89	58	31	53	28	5	3	4	2
Congenital insufficiency of aortic valve (746.4)	54	38	16	37	15	1	1	-	1



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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group: Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Other congenital anomalies of heart-Con.									
Congenital mitral stenosis (746.5)	13	7	6	7	5	-	-	-	-
Congenital mitral insufficiency (746.6)	7	4	3	4	3	-	-	-	-
Hypoplastic left heart syndrome (746.7)	612	374	238	314	188	60	42	54	38
Other specified anomalies of heart (746.8)	422	240	182	183	149	57	33	49	30
Unspecified anomalies of heart (746.9)	1,684	901	783	731	626	170	157	137	128
Other congenital anomalies of circulatory system (747)	1,249	640	609	498	473	142	138	123	111
Patent ductus arteriosus (747.0)	105	51	54	32	37	10	17	16	15
Coarctation of aorta (747.1)	136	69	73	49	65	14	8	11	7
Other anomalies of aorta (747.2)	29	12	17	10	15	2	2	2	2
Anomalies of pulmonary artery (747.3)	169	94	75	72	60	22	15	20	11
Anomalies of great veins (747.4)	95	64	31	54	24	10	7	9	4
Absence or hypoplasia of umbilical artery (747.5)	-	-	-	-	-	-	-	-	-
Other anomalies of peripheral vascular system (747.6)	162	75	77	61	61	14	18	13	19
Other specified anomalies of circulatory system (747.8)	408	202	206	171	166	31	40	24	31
Unspecified anomalies of circulatory system (747.9)	155	79	76	49	45	30	31	27	26
Congenital anomalies of respiratory system (748)	1,174	722	452	564	344	158	108	137	92
Choanal atresia (748.0)	3	-	3	-	2	-	1	-	1
Other anomalies of nose (748.1)	2	-	2	-	-	-	-	-	-
Web of larynx (748.2)	1	1	-	-	-	1	-	1	-
Other anomalies of larynx, trachea, and bronchus (748.3)	92	59	33	46	21	13	12	12	10
Congenital cystic lung (748.4)	8	3	5	1	4	2	1	2	1
Agenesis, hypoplasia, and dysplasia of lung (748.5)	962	586	368	471	278	125	86	106	76
Other anomalies of lung (748.6)	88	51	37	37	31	14	8	14	4
Other specified anomalies of respiratory system (748.8)	6	3	3	3	3	3	-	-	-
Unspecified anomalies of respiratory system (748.9)	12	7	5	4	5	3	-	2	-
Cleft palate and cleft lip (749)	11	4	7	3	6	1	1	1	1
Cleft palate (749.0)	5	2	3	2	2	1	1	-	1
Cleft lip (749.1)	2	1	1	-	1	1	-	1	-
Cleft palate with cleft lip (749.2)	4	1	3	1	3	-	-	-	-
Other congenital anomalies of upper alimentary tract (750)	69	31	37	26	32	5	5	5	4
Tongue tie (750.0)	-	-	-	-	-	-	-	-	-
Other anomalies of tongue (750.1)	-	-	-	-	-	-	-	-	-
Other specified anomalies of mouth and pharynx (750.2)	2	1	1	1	-	-	1	-	-
Tracheo-esophageal fistula, esophageal atresia, and stenosis (750.3)	30	12	18	10	16	2	2	2	2
Other specified anomalies of esophagus (750.4)	24	12	12	11	11	1	1	1	1
Congenital hypertrophic pyloric stenosis (750.5)	2	-	-	-	-	2	-	2	-
Congenital hiatal hernia (750.6)	2	1	1	1	-	-	1	-	1
Other specified anomalies of stomach (750.7)	1	1	-	-	-	-	-	-	-
Other specified anomalies of upper alimentary tract (750.8)	1	-	1	-	1	-	-	-	-
Unspecified anomalies of upper alimentary tract (750.9)	6	2	4	2	4	-	-	-	-
Other congenital anomalies of digestive system (751)	205	102	103	81	89	21	34	16	27
Meckel's diverticulum (751.0)	18	12	4	12	3	-	1	-	1
Atresia and stenosis of small intestine (751.1)	17	5	12	5	4	-	8	-	5
Atresia and stenosis of large intestine, rectum, and anal canal (751.2)	5	3	2	2	1	1	1	-	1
Hirschsprung's disease and other congenital functional disorders of colon (751.3)	16	12	4	8	3	3	1	3	-
Anomalies of intestinal fixation (751.4)	20	13	7	12	7	1	-	-	-
Other anomalies of intestine (751.5)	32	18	14	12	12	6	-	5	2
Anomalies of gall bladder, bile ducts, and liver (751.6)	84	32	52	29	31	9	21	7	16
Anomalies of pancreas (751.7)	5	2	3	2	3	-	-	-	-
Other specified anomalies of digestive system (751.8)	3	1	2	1	2	-	-	-	-
Unspecified anomalies of digestive system (751.9)	7	4	3	3	3	1	-	1	-
Congenital anomalies of genital organs (752)	6	3	3	2	2	1	1	1	1
Anomalies of ovaries (752.0)	-	-	-	-	-	-	-	-	-
Anomalies of fallopian tubes and broad ligaments (752.1)	-	-	-	-	-	-	-	-	-
Doubling of uterus (752.2)	-	-	-	-	-	-	-	-	-
Other anomalies of uterus (752.3)	-	-	-	-	-	-	-	-	-
Anomalies of cervix, vagina, and external female genitalia (752.4)	1	-	-	-	-	-	-	-	-
Undescended testicle (752.5)	1	-	1	-	-	-	1	-	1
Hypospadias and epispadias (752.6)	1	1	-	1	-	-	-	-	-
Indeterminate sex and pseudohermaphroditism (752.7)	1	-	1	-	1	-	-	-	-
Other specified anomalies of genital organs (752.8)	1	-	1	-	1	-	-	-	-
Unspecified anomalies of genital organs (752.9)	2	2	-	1	-	1	-	1	-
Congenital anomalies of urinary system (753)	856	530	328	481	286	69	60	60	52
Renal agenesis and dysgenesis (753.0)	423	308	115	274	92	34	23	29	19
Cystic kidney disease (753.1)	378	183	195	155	161	28	34	27	30
Obstructive defects of renal pelvis and ureter (753.2)	7	6	1	2	1	4	-	2	-
Other specified anomalies of kidney (753.3)	12	8	4	8	4	-	-	-	-
Other specified anomalies of ureter (753.4)	-	-	-	-	-	-	-	-	-
Exstrophy of urinary bladder (753.5)	-	-	-	-	-	-	-	-	-
Atresia and stenosis of urethra and bladder neck (753.6)	2	2	-	1	-	1	-	-	-
Anomalies of urachus (753.7)	-	-	-	-	-	-	-	-	-
Other specified anomalies of bladder and urethra (753.8)	2	1	1	1	-	-	1	-	1
Unspecified anomalies of urinary system (753.9)	32	22	10	20	8	2	2	2	2
Certain congenital musculoskeletal deformities (754)	8	3	5	2	4	1	1	1	1
Of skull, face, and jaw (754.0)	-	-	-	-	-	-	-	-	-
Of sternocleidomastoid muscle (754.1)	-	-	-	-	-	-	-	-	-
Of spine (754.2)	2	1	1	-	-	1	1	1	1
Congenital dislocation of hip (754.3)	1	-	1	-	-	-	-	-	-
Congenital genu recurvatum and bowing of long bones of leg (754.4)	1	-	-	-	1	-	-	-	-
Varus deformities of feet (754.5)	1	-	1	-	1	-	-	-	-
Valgus deformities of feet (754.6)	1	-	-	-	-	-	-	-	-
Other deformities of feet (754.7)	1	1	-	1	-	-	-	-	-
Other (754.8)	3	1	2	1	2	-	-	-	-
Other congenital anomalies of limbs (755)	20	12	8	9	8	3	-	3	-
Polydactyly (755.0)	2	2	-	1	-	1	-	1	-
Syndactyly (755.1)	1	-	1	-	1	-	-	-	-
Reduction deformities of upper limb (755.2)	1	-	-	-	-	-	-	-	-
Reduction deformities of lower limb (755.3)	1	-	-	-	-	-	-	-	-
Reduction deformities, unspecified limb (755.4)	1	1	-	-	-	1	-	1	-
Other anomalies of upper limb, including shoulder girdle (755.5)	1	1	-	1	-	-	-	-	-





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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
<b>Other congenital anomalies of limbs-Con.</b>									
Other anomalies of lower limb, including pelvic girdle (755.6)	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Other specified anomalies of unspecified limb (755.8)	.0	.0	.0	.0	.0	0.0	-	0.0	-
Unspecified anomalies of unspecified limb (755.9)	.0	-	.0	-	.0	-	-	-	-
<b>Other congenital musculoskeletal anomalies (756)</b>									
Anomalies of skull and face bones (756.0)	.3	.3	.3	.3	.3	.3	0.3	.3	0.3
Anomalies of spine (756.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Cervical rib (756.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other anomalies of ribs and sternum (756.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Chondrodystrophy (756.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Osteodystrophias (756.5)	.0	.0	.0	.0	.0	.1	.0	.1	.0
Anomalies of diaphragm (756.6)	.0	.2	.2	.2	.2	.2	.2	.2	.2
Anomalies of abdominal wall (756.7)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other specified anomalies of muscle, tendon, fascia, and connective tissue (756.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified anomalies of musculoskeletal system (756.9)	.0	.0	.0	.0	.0	-	-	-	-
<b>Congenital anomalies of the integument (757)</b>									
Hereditary edema of legs (757.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ichthyosis congenita (757.1)	.0	.0	.0	.0	.0	-	-	-	.0
Dermatolyphic anomalies (757.2)	.0	.0	.0	.0	.0	-	-	-	-
Other specified anomalies of skin (757.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Specified anomalies of hair (757.4)	-	-	-	-	-	-	-	-	-
Specified anomalies of nails (757.5)	-	-	-	-	-	-	-	-	-
Specified anomalies of breast (757.6)	-	-	-	-	-	-	-	-	-
Other specified anomalies of the integument (757.8)	-	-	-	-	-	-	-	-	-
Unspecified anomalies of the integument (757.9)	-	-	-	-	-	-	-	-	-
<b>Chromosomal anomalies (758)</b>									
Down's syndrome (758.0)	.5	.5	.5	.4	.5	.6	.6	.7	.6
Patau's syndrome (758.1)	.2	.2	.2	.2	.2	.2	.1	.2	.2
Edwards' syndrome (758.2)	.1	.1	.1	.1	.1	.1	.1	.2	.2
Autosomal deletion syndromes (758.3)	.2	.1	.2	.1	.2	.2	.2	.2	.2
Balanced autosomal translocation in normal individual (758.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other conditions due to autosomal anomalies (758.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Gonadal dysgenesis (758.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Klinefelter's syndrome (758.7)	.0	.0	.0	.0	.0	-	-	-	-
Other conditions due to sex chromosome anomalies (758.8)	.0	.0	.0	.0	.0	-	-	-	-
Conditions due to anomaly of unspecified chromosomes (758.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
<b>Other and unspecified congenital anomalies (759)</b>									
Anomalies of spleen (759.0)	.4	.4	.3	.4	.3	.6	.4	.6	.4
Anomalies of adrenal gland (759.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Anomalies of other endocrine glands (759.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Situs inversus (759.3)	.0	.0	.0	.0	.0	-	-	-	-
Conjoined twins (759.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Tuberous sclerosis (759.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hamartomas, not elsewhere classified (759.6)	.0	.0	.0	.0	.0	.0	-	-	-
Multiple congenital anomalies, so described (759.7)	.2	.2	.2	.2	.2	.3	.2	.3	.2
Other specified anomalies (759.8)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Congenital anomaly, unspecified (759.9)	.0	.0	.0	.0	.0	.1	.1	.1	.1
<b>XV. Certain conditions originating in the perinatal period (760-779)</b>									
<b>Certain conditions originating in the perinatal period (760-779)</b>									
	7.4	8.7	6.2	6.4	4.4	21.3	15.5	25.8	18.4
<b>Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)</b>									
Maternal hypertensive disorders (760.0)	.1	.1	.1	.0	.0	.2	.2	.2	.2
Maternal renal and urinary tract diseases (760.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Maternal infections (760.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other chronic maternal circulatory and respiratory diseases (760.3)	.0	.0	.0	.0	.0	-	-	-	-
Maternal nutritional disorders (760.4)	.0	.0	.0	.0	.0	-	-	-	-
Maternal injury (760.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Surgical operation on mother (760.6)	.0	.0	.0	.0	.0	-	-	-	-
Noxious influences transmitted via placenta or breast milk (760.7)	.0	.0	.0	.0	.0	.0	.1	.1	.1
Other (760.8)	.0	.0	.0	.0	.0	.1	.1	.1	.0
Unspecified (760.9)	.0	-	.0	-	.0	-	.0	-	.0
<b>Newborn affected by maternal complications of pregnancy (761)</b>									
Incompetent cervix (761.0)	.6	.7	.5	.5	.4	1.6	1.2	2.0	1.4
Premature rupture of membranes (761.1)	.1	.1	.1	.1	.1	.2	.2	.2	.2
Polyhydramnios (761.2)	.2	.2	.2	.1	.1	.5	.4	.8	.4
Oligohydramnios (761.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ectopic pregnancy (761.4)	.0	.0	.0	.0	.0	.0	-	.0	-
Multiple pregnancy (761.5)	.3	.3	.2	.2	.2	.8	.6	1.0	.7
Maternal death (761.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Malpresentation before labor (761.7)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other (761.8)	.0	.0	.0	.0	.0	.1	.0	.1	.1
Unspecified (761.9)	-	-	-	-	-	-	-	-	-
<b>Newborn affected by complications of placenta, cord, and membranes (762)</b>									
Placenta previa (762.0)	.4	.4	.3	.4	.2	.8	.7	1.0	.8
Other forms of placental separation and hemorrhage (762.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other and unspecified morphological and functional abnormalities of placenta (762.2)	.2	.2	.2	.2	.1	.4	.3	.4	.3
Placental transfusion syndromes (762.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Prolapsed cord (762.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other compression of umbilical cord (762.5)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other and unspecified conditions of umbilical cord (762.6)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Chorioamnionitis (762.7)	.1	.1	.1	.1	.1	.3	.3	.4	.4
Other abnormalities of chorion and amnion (762.8)	.0	.0	.0	.0	.0	-	-	-	-
Unspecified abnormality of chorion and amnion (762.9)	.0	.0	.0	.0	.0	-	-	-	-
<b>Newborn affected by other complications of labor and delivery (763)</b>									
Breech delivery and extraction (763.0)	.0	.0	.0	.0	.0	.1	.0	.1	.1
Other malpresentation, malposition, and disproportion during labor and delivery (763.1)	.0	.0	.0	.0	.0	-	-	-	-
Forceps delivery (763.2)	.0	.0	.0	.0	.0	-	-	-	-
Delivery by vacuum extractor (763.3)	.0	.0	.0	.0	.0	-	-	-	-
Cesarean delivery (763.4)	.0	.0	.0	.0	.0	-	-	-	-
Maternal anesthesia and analgesia (763.5)	.0	.0	.0	.0	.0	-	-	-	-







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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
<b>Endocrine and metabolic disturbances specific to the newborn-Con.</b>									
Hypocalcemia and hypomagnesemia of newborn (775.4)	1	-	1	-	1	-	-	-	-
Other transitory neonatal electrolyte disturbances (775.5)	2	-	2	-	-	-	2	-	2
Neonatal hypoglycemia (775.6)	-	-	-	-	-	-	-	-	-
Late metabolic acidosis of newborn (775.7)	2	2	-	-	-	2	-	2	-
Other transitory neonatal endocrine and metabolic disturbances (775.8)	-	-	-	-	-	-	-	-	-
Unspecified (775.9)	-	-	-	-	-	-	-	-	-
<b>Hematological disorders of newborn (776)</b>									
Hemorrhagic disease of newborn (776.0)	70	35	35	18	25	17	10	16	6
Transient neonatal thrombocytopenia (776.1)	3	2	1	-	1	2	-	2	-
Disseminated intravascular coagulation in newborn (776.2)	-	-	-	-	-	-	-	-	-
Other transient neonatal disorders of coagulation (776.3)	45	21	24	11	15	10	9	10	5
Polycythemia neonatorum (776.4)	1	1	-	1	-	-	-	-	-
Congenital anemia (776.5)	8	4	4	3	4	1	-	-	-
Anemia of prematurity (776.6)	10	4	6	-	5	4	1	4	1
Transient neonatal neutropenia (776.7)	-	-	-	-	-	-	-	-	-
Other specified transient hematological disorders (776.8)	-	-	-	-	-	-	-	-	-
Unspecified (776.9)	3	3	-	3	-	-	-	-	-
<b>Perinatal disorders of digestive system (777)</b>									
Meconium obstruction (777.1)	402	232	170	120	81	112	89	108	85
Intestinal obstruction due to inspissated milk (777.2)	-	-	-	-	-	-	-	-	-
Hematemesis and melena due to swallowed maternal blood (777.3)	-	-	-	-	-	-	-	-	-
Transitory ileus of newborn (777.4)	-	-	-	-	-	-	-	-	-
Necrotizing enterocolitis in fetus or newborn (777.5)	376	215	161	109	78	106	83	102	78
Perinatal intestinal perforation (777.6)	25	16	9	10	3	6	6	6	6
Other (777.8)	1	1	-	1	-	-	-	-	-
Unspecified (777.9)	-	-	-	-	-	-	-	-	-
<b>Conditions involving the integument and temperature regulation of newborn (778)</b>									
Hydrops fetalis not due to isoimmunization (778.0)	189	101	88	83	67	18	21	15	15
Sclerema neonatorum (778.1)	176	93	83	80	64	13	19	11	13
Cold injury syndrome of newborn (778.2)	-	-	-	-	-	-	-	-	-
Other hypothermia of newborn (778.3)	7	3	4	1	3	2	1	2	1
Other disturbances of temperature regulation of newborn (778.4)	2	1	1	-	-	1	1	-	1
Other and unspecified edema of newborn (778.5)	2	2	-	1	-	1	-	1	-
Congenital hydrocoele (778.6)	-	-	-	-	-	-	-	-	-
Breast engorgement in newborn (778.7)	-	-	-	-	-	-	-	-	-
Other (778.8)	1	1	-	-	-	1	-	1	-
Unspecified (778.9)	1	1	-	1	-	-	-	-	-
<b>Other and ill-defined conditions originating in the perinatal period (779)</b>									
Convulsions in newborn (779.0)	2,526	1,372	1,154	788	636	804	516	579	496
Other and unspecified cerebral irritability in newborn (779.1)	9	8	1	5	-	3	1	1	1
Cerebral depression, coma, and other abnormal cerebral signs (779.2)	1	1	1	-	-	-	1	-	1
Feeding problems in newborn (779.3)	5	3	2	3	1	-	1	-	1
Drug reactions and intoxications specific to newborn (779.4)	1	-	-	-	-	-	-	-	-
Drug withdrawal syndrome in newborn (779.5)	1	-	1	-	-	-	1	-	1
Termination of pregnancy (779.6)	41	27	14	14	11	13	3	19	3
Other (779.8)	2,454	1,328	1,125	743	618	585	508	562	486
Unspecified (779.9)	14	6	8	3	5	3	3	3	3
<b>XVI. Symptoms, signs, and ill-defined conditions (780-789)</b>									
<b>Symptoms (780-789)</b>									
General symptoms (780)	2,145	1,059	1,086	801	885	259	201	248	189
Coma and stupor (780.0)	729	437	292	285	197	172	95	168	89
Hallucinations (780.1)	10	3	7	3	6	-	1	-	1
Syncopal and collapse (780.2)	12	8	4	8	3	2	1	2	1
Convulsions (780.3)	653	412	241	248	154	164	87	160	81
Dizziness and giddiness (780.4)	-	-	-	-	-	-	-	-	-
Sleep disturbances (780.5)	-	-	-	-	-	-	-	-	-
Pyrexia of unknown origin (780.6)	48	13	35	8	29	5	6	5	6
Malaise and fatigue (780.7)	1	-	1	-	1	-	-	-	-
Hyperhidrosis (780.8)	5	1	4	-	4	1	-	1	-
Other (780.9)	-	-	-	-	-	-	-	-	-
<b>Symptoms involving nervous and musculoskeletal systems (781)</b>									
Abnormal involuntary movements (781.0)	21	12	9	10	8	2	1	2	1
Disturbances of sensation of smell and taste (781.1)	-	-	-	-	-	-	-	-	-
Abnormality of gait (781.2)	-	-	-	-	-	-	-	-	-
Lack of coordination (781.3)	-	-	-	-	-	-	-	-	-
Transient paralysis of limb (781.4)	-	-	-	-	-	-	-	-	-
Clubbing of fingers (781.5)	-	-	-	-	-	-	-	-	-
Meningismus (781.6)	-	-	-	-	-	-	-	-	-
Tetany (781.7)	-	-	-	-	-	-	-	-	-
Other (781.9)	21	12	9	10	8	2	1	2	1
<b>Symptoms involving skin and other integumentary tissue (782)</b>									
Disturbance of skin sensation (782.0)	8	8	2	6	1	-	1	-	1
Flesh and other nonspecific skin eruption (782.1)	-	-	-	-	-	-	-	-	-
Localized superficial swelling, mass, or lump (782.2)	-	-	-	-	-	-	-	-	-
Edema (782.3)	5	4	1	4	-	-	1	-	1
Jaundice unspecified, not of newborn (782.4)	3	2	1	2	1	-	-	-	-
Cyanosis (782.5)	-	-	-	-	-	-	-	-	-
Pallor and flushing (782.6)	-	-	-	-	-	-	-	-	-
Spontaneous ecchymoses (782.7)	-	-	-	-	-	-	-	-	-
Changes in skin texture (782.8)	-	-	-	-	-	-	-	-	-
Other (782.9)	-	-	-	-	-	-	-	-	-
<b>Symptoms concerning nutrition, metabolism, and development (783)</b>									
Anorexia (783.0)	26	12	16	10	15	2	1	2	1
Abnormal weight gain (783.1)	9	4	5	4	4	-	1	-	1
Abnormal loss of weight (783.2)	2	1	1	1	1	-	-	-	-
Feeding difficulties and mismanagement (783.3)	-	-	-	-	-	-	-	-	-
Lack of expected normal physiological development (783.4)	15	7	8	5	8	2	-	2	-

















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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Accident involving animal being ridden-Con.									
Rider of animal (E828.2)	90	44	46	42	46	2	-	-	-
Occupant of animal-drawn vehicle (E828.3)	-	-	-	-	-	-	-	-	-
Occupant of streetcar (E828.4)	-	-	-	-	-	-	-	-	-
Other specified person (E828.8)	-	-	-	-	-	-	-	-	-
Unspecified person (E828.9)	4	2	2	2	2	-	-	-	-
Other road vehicle accidents (E829)	4	2	2	2	2	-	-	-	-
Pedestrian (E829.0)	-	-	-	-	-	-	-	-	-
Pedal cyclist (E829.1)	-	-	-	-	-	-	-	-	-
Rider of animal (E829.2)	-	-	-	-	-	-	-	-	-
Occupant of animal-drawn vehicle (E829.3)	-	-	-	-	-	-	-	-	-
Occupant of streetcar (E829.4)	1	1	-	1	-	-	-	-	-
Other specified person (E829.8)	1	1	-	1	-	-	-	-	-
Unspecified person (E829.9)	2	-	2	-	2	-	-	-	-
Water transport accidents (E830-E838)	979	887	92	728	71	159	21	122	17
Accident to watercraft causing submersion (E830)	367	330	37	275	24	55	19	39	10
Occupant of small boat, unpowered (E830.0)	64	54	10	45	8	8	2	5	1
Occupant of small boat, powered (E830.1)	54	46	8	43	8	8	-	3	-
Occupant of other watercraft, crew (E830.2)	4	4	-	3	-	1	-	-	-
Occupant of other watercraft, other than crew (E830.3)	8	7	1	5	1	2	-	-	-
Water skier (E830.4)	-	-	-	-	-	-	-	-	-
Swimmer (E830.5)	-	-	-	-	-	-	-	-	-
Dockers, stevedores (E830.6)	-	-	-	-	-	-	-	-	-
Other specified person (E830.8)	4	4	-	3	-	1	-	-	-
Unspecified person (E830.9)	233	215	18	176	7	39	11	31	9
Accident to watercraft causing other injury (E831)	72	61	11	58	10	3	1	-	1
Occupant of small boat, unpowered (E831.0)	4	4	-	2	-	2	-	-	-
Occupant of small boat, powered (E831.1)	18	17	1	17	1	-	-	-	-
Occupant of other watercraft, crew (E831.2)	2	2	-	2	-	-	-	-	-
Occupant of other watercraft, other than crew (E831.3)	5	3	2	3	2	-	-	-	-
Water skier (E831.4)	3	1	2	1	2	-	-	-	-
Swimmer (E831.5)	-	-	-	-	-	-	-	-	-
Dockers, stevedores (E831.6)	-	-	-	-	-	-	-	-	-
Other specified person (E831.8)	-	-	-	-	-	-	-	-	-
Unspecified person (E831.9)	40	34	6	33	5	1	1	-	1
Other accidental submersion or drowning in water transport accident (E832)	400	377	23	292	17	85	6	70	5
Occupant of small boat, unpowered (E832.0)	43	35	8	28	7	7	1	6	-
Occupant of small boat, powered (E832.1)	44	40	4	28	3	12	1	11	1
Occupant of other watercraft, crew (E832.2)	16	16	-	10	-	6	-	5	-
Occupant of other watercraft, other than crew (E832.3)	2	1	1	1	1	-	-	-	-
Water skier (E832.4)	-	-	-	-	-	-	-	-	-
Swimmer (E832.5)	-	-	-	-	-	-	-	-	-
Dockers, stevedores (E832.6)	1	1	-	1	-	-	-	-	-
Other specified person (E832.8)	5	5	-	5	-	-	-	-	-
Unspecified person (E832.9)	289	279	10	219	6	60	4	48	4
Fall on stairs or ladders in water transport (E833)	3	2	1	1	1	1	-	1	-
Occupant of small boat, unpowered (E833.0)	2	2	-	1	-	1	-	1	-
Occupant of small boat, powered (E833.1)	-	-	-	-	-	-	-	-	-
Occupant of other watercraft, crew (E833.2)	-	-	-	-	-	-	-	-	-
Occupant of other watercraft, other than crew (E833.3)	-	-	-	-	-	-	-	-	-
Water skier (E833.4)	-	-	-	-	-	-	-	-	-
Swimmer (E833.5)	-	-	-	-	-	-	-	-	-
Dockers, stevedores (E833.6)	-	-	-	-	-	-	-	-	-
Other specified person (E833.8)	-	-	-	-	-	-	-	-	-
Unspecified person (E833.9)	1	-	1	-	1	-	-	-	-
Other fall from one level to another in water transport (E834)	9	9	-	5	-	4	-	4	-
Occupant of small boat, unpowered (E834.0)	-	-	-	-	-	-	-	-	-
Occupant of small boat, powered (E834.1)	1	1	-	1	-	-	-	-	-
Occupant of other watercraft, crew (E834.2)	3	3	-	2	-	1	-	1	-
Occupant of other watercraft, other than crew (E834.3)	-	-	-	-	-	-	-	-	-
Water skier (E834.4)	-	-	-	-	-	-	-	-	-
Swimmer (E834.5)	-	-	-	-	-	-	-	-	-
Dockers, stevedores (E834.6)	2	2	-	1	-	1	-	1	-
Other specified person (E834.8)	1	1	-	-	-	1	-	1	-
Unspecified person (E834.9)	2	2	-	1	-	1	-	1	-
Other and unspecified fall in water transport (E835)	8	8	-	5	-	3	-	2	-
Occupant of small boat, unpowered (E835.0)	-	-	-	-	-	-	-	-	-
Occupant of small boat, powered (E835.1)	-	-	-	-	-	-	-	-	-
Occupant of other watercraft, crew (E835.2)	3	3	-	2	-	1	-	-	-
Occupant of other watercraft, other than crew (E835.3)	-	-	-	-	-	-	-	-	-
Water skier (E835.4)	-	-	-	-	-	-	-	-	-
Swimmer (E835.5)	-	-	-	-	-	-	-	-	-
Dockers, stevedores (E835.6)	1	1	-	1	-	-	-	-	-
Other specified person (E835.8)	-	-	-	-	-	-	-	-	-
Unspecified person (E835.9)	4	4	-	2	-	2	-	2	-
Machinery accident in water transport (E836)	1	1	-	1	-	-	-	-	-
Occupant of small boat, unpowered (E836.0)	-	-	-	-	-	-	-	-	-
Occupant of small boat, powered (E836.1)	-	-	-	-	-	-	-	-	-
Occupant of other watercraft, crew (E836.2)	1	1	-	1	-	-	-	-	-
Occupant of other watercraft, other than crew (E836.3)	-	-	-	-	-	-	-	-	-
Water skier (E836.4)	-	-	-	-	-	-	-	-	-
Swimmer (E836.5)	-	-	-	-	-	-	-	-	-
Dockers, stevedores (E836.6)	-	-	-	-	-	-	-	-	-
Other specified person (E836.8)	-	-	-	-	-	-	-	-	-
Unspecified person (E836.9)	-	-	-	-	-	-	-	-	-
Explosion, fire, or burning in watercraft (E837)	17	15	2	14	2	1	-	1	-
Occupant of small boat, unpowered (E837.0)	-	-	-	-	-	-	-	-	-
Occupant of small boat, powered (E837.1)	2	2	-	1	-	1	-	1	-
Occupant of other watercraft, crew (E837.2)	6	6	-	6	-	-	-	-	-

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Accident involving animal being ridden—Con.									
Rider of animal (E828.2)	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
Occupant of animal-drawn vehicle (E828.3)	-	-	-	-	-	-	-	-	-
Occupant of atreotcar (E828.4)	-	-	-	-	-	-	-	-	-
Other specified person (E828.8)	-	-	-	-	-	-	-	-	-
Unspecified person (E828.9)	.0	.0	.0	.0	.0	-	-	-	-
Other road vehicle accidents (E829)	.0	.0	.0	.0	.0	-	-	-	-
Pedestrian (E829.0)	-	-	-	-	-	-	-	-	-
Pedal cyclist (E829.1)	-	-	-	-	-	-	-	-	-
Rider of animal (E829.2)	-	-	-	-	-	-	-	-	-
Occupant of animal-drawn vehicle (E829.3)	-	-	-	-	-	-	-	-	-
Occupant of atreotcar (E829.4)	.0	.0	-	.0	-	-	-	-	-
Other specified person (E829.8)	.0	.0	-	.0	-	-	-	-	-
Unspecified person (E829.9)	.0	-	.0	-	.0	-	-	-	-
Water transport accidents (E830-E838)	.4	.7	.1	.7	.1	.9	0.1	0.9	0.1
Accident to watercraft causing submersion (E830)	.1	.3	.0	.3	.0	.3	.1	.3	.1
Occupant of small boat, unpowered (E830.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Occupant of small boat, powered (E830.1)	.0	.0	.0	.0	.0	.0	-	.0	-
Occupant of other watercraft, crew (E830.2)	.0	.0	.0	.0	.0	.0	-	-	-
Occupant of other watercraft, other than crew (E830.3)	.0	.0	.0	.0	.0	.0	-	-	-
Water skier (E830.4)	-	-	-	-	-	-	-	-	-
Swimmer (E830.5)	-	-	-	-	-	-	-	-	-
Dockers, stevedores (E830.6)	-	-	-	-	-	-	-	-	-
Other specified person (E830.8)	.0	.0	-	.0	-	.0	-	-	-
Unspecified person (E830.9)	.1	.2	.0	.2	.0	.2	.1	.2	.1
Accident to watercraft causing other injury (E831)	.0	.1	.0	.1	.0	.0	.0	-	.0
Occupant of small boat, unpowered (E831.0)	.0	.0	-	.0	-	.0	-	-	-
Occupant of small boat, powered (E831.1)	.0	.0	.0	.0	.0	-	-	-	-
Occupant of other watercraft, crew (E831.2)	.0	.0	.0	.0	.0	-	-	-	-
Occupant of other watercraft, other than crew (E831.3)	.0	.0	.0	.0	.0	-	-	-	-
Water skier (E831.4)	.0	.0	.0	.0	.0	-	-	-	-
Swimmer (E831.5)	-	-	-	-	-	-	-	-	-
Dockers, stevedores (E831.6)	-	-	-	-	-	-	-	-	-
Other specified person (E831.8)	-	-	-	-	-	-	-	-	-
Unspecified person (E831.9)	.0	.0	.0	.0	.0	.0	.0	-	.0
Other accidental submersion or drowning in water transport accident (E832)	.2	.3	.0	.3	.0	.5	.0	.5	.0
Occupant of small boat, unpowered (E832.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Occupant of small boat, powered (E832.1)	.0	.0	.0	.0	.0	.1	.0	.1	.0
Occupant of other watercraft, crew (E832.2)	.0	.0	.0	.0	.0	-	-	-	-
Occupant of other watercraft, other than crew (E832.3)	.0	.0	.0	.0	.0	-	-	-	-
Water skier (E832.4)	-	-	-	-	-	-	-	-	-
Swimmer (E832.5)	-	-	-	-	-	-	-	-	-
Dockers, stevedores (E832.6)	.0	.0	-	.0	-	-	-	-	-
Other specified person (E832.8)	.0	.0	-	.0	-	-	-	-	-
Unspecified person (E832.9)	.1	.2	.0	.2	.0	.3	.0	.3	.0
Fall on stairs or ladders in water transport (E833)	.0	.0	.0	.0	.0	.0	-	.0	-
Occupant of small boat, unpowered (E833.0)	.0	.0	-	.0	-	.0	-	.0	-
Occupant of small boat, powered (E833.1)	-	-	-	-	-	-	-	-	-
Occupant of other watercraft, crew (E833.2)	-	-	-	-	-	-	-	-	-
Occupant of other watercraft, other than crew (E833.3)	-	-	-	-	-	-	-	-	-
Water skier (E833.4)	-	-	-	-	-	-	-	-	-
Swimmer (E833.5)	-	-	-	-	-	-	-	-	-
Dockers, stevedores (E833.6)	-	-	-	-	-	-	-	-	-
Other specified person (E833.8)	-	-	-	-	-	-	-	-	-
Unspecified person (E833.9)	.0	-	.0	-	.0	-	-	-	-
Other fall from one level to another in water transport (E834)	.0	.0	-	.0	-	.0	-	.0	-
Occupant of small boat, unpowered (E834.0)	-	-	-	-	-	-	-	-	-
Occupant of small boat, powered (E834.1)	.0	.0	-	.0	-	.0	-	.0	-
Occupant of other watercraft, crew (E834.2)	-	-	-	-	-	-	-	-	-
Occupant of other watercraft, other than crew (E834.3)	-	-	-	-	-	-	-	-	-
Water skier (E834.4)	-	-	-	-	-	-	-	-	-
Swimmer (E834.5)	-	-	-	-	-	-	-	-	-
Dockers, stevedores (E834.6)	.0	.0	-	.0	-	.0	-	.0	-
Other specified person (E834.8)	.0	.0	-	.0	-	.0	-	.0	-
Unspecified person (E834.9)	.0	.0	-	.0	-	.0	-	.0	-
Other and unspecified fall in water transport (E835)	.0	.0	-	.0	-	.0	-	.0	-
Occupant of small boat, unpowered (E835.0)	-	-	-	-	-	-	-	-	-
Occupant of small boat, powered (E835.1)	-	-	-	-	-	-	-	-	-
Occupant of other watercraft, crew (E835.2)	.0	.0	-	.0	-	.0	-	.0	-
Occupant of other watercraft, other than crew (E835.3)	-	-	-	-	-	-	-	-	-
Water skier (E835.4)	-	-	-	-	-	-	-	-	-
Swimmer (E835.5)	-	-	-	-	-	-	-	-	-
Dockers, stevedores (E835.6)	.0	.0	-	.0	-	.0	-	.0	-
Other specified person (E835.8)	-	-	-	-	-	-	-	-	-
Unspecified person (E835.9)	.0	.0	-	.0	-	.0	-	.0	-
Machinery accident in water transport (E836)	.0	.0	-	.0	-	.0	-	.0	-
Occupant of small boat, unpowered (E836.0)	-	-	-	-	-	-	-	-	-
Occupant of small boat, powered (E836.1)	-	-	-	-	-	-	-	-	-
Occupant of other watercraft, crew (E836.2)	.0	.0	-	.0	-	.0	-	.0	-
Occupant of other watercraft, other than crew (E836.3)	-	-	-	-	-	-	-	-	-
Water skier (E836.4)	-	-	-	-	-	-	-	-	-
Swimmer (E836.5)	-	-	-	-	-	-	-	-	-
Dockers, stevedores (E836.6)	-	-	-	-	-	-	-	-	-
Other specified person (E836.8)	-	-	-	-	-	-	-	-	-
Unspecified person (E836.9)	-	-	-	-	-	-	-	-	-
Explosion, fire, or burning in watercraft (E837)	.0	.0	.0	.0	.0	.0	-	.0	-
Occupant of small boat, unpowered (E837.0)	-	-	-	-	-	-	-	-	-
Occupant of small boat, powered (E837.1)	.0	.0	-	.0	-	.0	-	.0	-
Occupant of other watercraft, crew (E837.2)	.0	.0	-	.0	-	.0	-	.0	-

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Explosion, fire, or burning in watercraft-Con.									
Occupant of other watercraft, other than crew (E837.3)	-	-	-	-	-	-	-	-	-
Water skier (E837.4)	-	-	-	-	-	-	-	-	-
Swimmer (E837.5)	-	-	-	-	-	-	-	-	-
Dockers, stevedores (E837.6)	-	-	-	-	-	-	-	-	-
Other specified person (E837.8)	-	-	-	-	-	-	-	-	-
Unspecified person (E837.9)	9	7	2	7	2	-	-	-	-
Other and unspecified water transport accident (E838)	102	84	18	77	17	7	1	5	1
Occupant of small boat, unpowered (E838.0)	7	5	2	5	2	-	-	-	-
Occupant of small boat, powered (E838.1)	11	8	3	8	3	-	-	-	-
Occupant of other watercraft, crew (E838.2)	6	8	-	7	-	1	-	-	-
Occupant of other watercraft, other than crew (E838.3)	2	2	-	2	-	-	-	-	-
Water skier (E838.4)	8	7	1	6	1	1	-	-	-
Swimmer (E838.5)	7	5	2	5	2	-	-	-	-
Dockers, stevedores (E838.6)	1	1	-	1	-	-	-	-	-
Other specified person (E838.8)	3	2	1	2	1	-	-	-	-
Unspecified person (E838.9)	55	46	9	41	8	5	1	5	1
Air and space transport accidents (E840-E845)	1,012	858	154	835	152	23	2	14	2
Accident to powered aircraft at takeoff or landing (E840)	78	57	21	55	21	2	-	1	-
Occupant of spacecraft (E840.0)	-	-	-	-	-	-	-	-	-
Occupant of military aircraft, any (E840.1)	1	1	-	1	-	-	-	-	-
Crew of commercial aircraft (powered) in surface to surface transport (E840.2)	17	14	3	14	3	-	-	-	-
Other occupant of commercial aircraft (powered) in surface to surface transport (E840.3)	32	18	14	16	14	2	-	1	-
Occupant of commercial aircraft (powered) in surface to air transport (E840.4)	-	-	-	-	-	-	-	-	-
Occupant of other powered aircraft (E840.5)	27	23	4	23	4	-	-	-	-
Occupant of unpowered aircraft, except parachutist (E840.6)	-	-	-	-	-	-	-	-	-
Parachutist (military) (other) (E840.7)	-	-	-	-	-	-	-	-	-
Ground crew, airline employee (E840.8)	-	-	-	-	-	-	-	-	-
Other person (E840.9)	1	1	-	1	-	-	-	-	-
Accident to powered aircraft, other and unspecified (E841)	868	741	127	723	125	18	2	10	2
Occupant of spacecraft (E841.0)	1	1	-	1	-	-	-	-	-
Occupant of military aircraft, any (E841.1)	90	90	-	88	-	2	-	1	-
Crew of commercial aircraft (powered) in surface to surface transport (E841.2)	67	66	1	64	1	2	-	-	-
Other occupant of commercial aircraft (powered) in surface to surface transport (E841.3)	411	324	87	315	85	9	2	8	2
Occupant of commercial aircraft (powered) in surface to air transport (E841.4)	9	9	-	9	-	-	-	-	-
Occupant of other powered aircraft (E841.5)	252	219	33	215	33	4	-	2	-
Occupant of unpowered aircraft, except parachutist (E841.6)	-	-	-	-	-	-	-	-	-
Parachutist (military) (other) (E841.7)	2	2	-	2	-	-	-	-	-
Ground crew, airline employee (E841.8)	-	-	-	-	-	-	-	-	-
Other person (E841.9)	36	30	6	29	6	1	-	1	-
Accident to unpowered aircraft (E842)	31	28	3	28	3	-	-	-	-
Occupant of spacecraft (E842.0)	-	-	-	-	-	-	-	-	-
Occupant of military aircraft, any (E842.1)	-	-	-	-	-	-	-	-	-
Crew of commercial aircraft (powered) in surface to surface transport (E842.2)	-	-	-	-	-	-	-	-	-
Other occupant of commercial aircraft (powered) in surface to surface transport (E842.3)	-	-	-	-	-	-	-	-	-
Occupant of commercial aircraft (powered) in surface to air transport (E842.4)	-	-	-	-	-	-	-	-	-
Occupant of other powered aircraft (E842.5)	-	-	-	-	-	-	-	-	-
Occupant of unpowered aircraft, except parachutist (E842.6)	-	-	-	-	-	-	-	-	-
Parachutist (military) (other) (E842.7)	28	26	2	26	2	-	-	-	-
Ground crew, airline employee (E842.8)	-	-	-	-	-	-	-	-	-
Other person (E842.9)	3	2	1	2	1	-	-	-	-
Fall in, on, or from aircraft (E843)	2	2	-	2	-	-	-	-	-
Occupant of spacecraft (E843.0)	-	-	-	-	-	-	-	-	-
Occupant of military aircraft, any (E843.1)	1	1	-	1	-	-	-	-	-
Crew of commercial aircraft (powered) in surface to surface transport (E843.2)	-	-	-	-	-	-	-	-	-
Other occupant of commercial aircraft (powered) in surface to surface transport (E843.3)	-	-	-	-	-	-	-	-	-
Occupant of commercial aircraft (powered) in surface to air transport (E843.4)	-	-	-	-	-	-	-	-	-
Occupant of other powered aircraft (E843.5)	-	-	-	-	-	-	-	-	-
Occupant of unpowered aircraft, except parachutist (E843.6)	1	1	-	1	-	-	-	-	-
Parachutist (military) (other) (E843.7)	-	-	-	-	-	-	-	-	-
Ground crew, airline employee (E843.8)	-	-	-	-	-	-	-	-	-
Other person (E843.9)	-	-	-	-	-	-	-	-	-
Other specified air transport accidents (E844)	33	30	3	27	3	3	-	3	-
Occupant of spacecraft (E844.0)	-	-	-	-	-	-	-	-	-
Occupant of military aircraft, any (E844.1)	2	2	-	2	-	-	-	-	-
Crew of commercial aircraft (powered) in surface to surface transport (E844.2)	-	-	-	-	-	-	-	-	-
Other occupant of commercial aircraft (powered) in surface to surface transport (E844.3)	1	1	-	1	-	1	-	1	-
Occupant of commercial aircraft (powered) in surface to air transport (E844.4)	-	-	-	-	-	-	-	-	-
Occupant of other powered aircraft (E844.5)	1	1	-	1	-	-	-	-	-
Occupant of unpowered aircraft, except parachutist (E844.6)	-	-	-	-	-	-	-	-	-
Parachutist (military) (other) (E844.7)	21	19	2	18	2	1	-	1	-
Ground crew, airline employee (E844.8)	5	5	-	4	-	1	-	1	-
Other person (E844.9)	3	2	1	2	1	-	-	-	-
Accident involving spacecraft (E845)	-	-	-	-	-	-	-	-	-
Occupant of spacecraft (E845.0)	-	-	-	-	-	-	-	-	-
Occupant of military aircraft, any (E845.1)	-	-	-	-	-	-	-	-	-
Crew of commercial aircraft (powered) in surface to surface transport (E845.2)	-	-	-	-	-	-	-	-	-
Other occupant of commercial aircraft (powered) in surface to surface transport (E845.3)	-	-	-	-	-	-	-	-	-
Occupant of commercial aircraft (powered) in surface to air transport (E845.4)	-	-	-	-	-	-	-	-	-
Occupant of other powered aircraft (E845.5)	-	-	-	-	-	-	-	-	-
Occupant of unpowered aircraft, except parachutist (E845.6)	-	-	-	-	-	-	-	-	-
Parachutist (military) (other) (E845.7)	-	-	-	-	-	-	-	-	-
Ground crew, airline employee (E845.8)	-	-	-	-	-	-	-	-	-
Other person (E845.9)	-	-	-	-	-	-	-	-	-
Vehicle accidents not elsewhere classifiable (E846-E848)	24	19	5	16	5	1	-	-	-
Accidents involving powered vehicles used solely within the buildings and premises of an industrial or commercial establishment (E846)	8	5	-	5	-	-	-	-	-
Accidents involving cable cars not running on rails (E847)	-	-	-	-	-	-	-	-	-
Accidents involving other vehicles not elsewhere classified (E848)	19	14	5	13	5	1	-	-	-

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Explosion, fire, or burning in watercraft—Con.									
Occupant of other watercraft, other than crew (E837.3)	—	—	—	—	—	—	—	—	—
Water skier (E837.4)	—	—	—	—	—	—	—	—	—
Swimmer (E837.5)	—	—	—	—	—	—	—	—	—
Dockers, stevedores (E837.8)	—	—	—	—	—	—	—	—	—
Other specified person (E837.9)	—	—	—	—	—	—	—	—	—
Unspecified person (E837.9)	0.0	0.0	0.0	0.0	0.0	—	—	—	—
Other and unspecified water transport accident (E838)	.0	.1	.0	.1	.0	0.0	0.0	0.0	0.0
Occupant of small boat, unpowered (E838.0)	.0	.0	.0	.0	.0	—	—	—	—
Occupant of small boat, powered (E838.1)	.0	.0	.0	.0	.0	—	—	—	—
Occupant of other watercraft, crew (E838.2)	.0	.0	.0	.0	.0	—	—	—	—
Occupant of other watercraft, other than crew (E838.3)	.0	.0	.0	.0	.0	—	—	—	—
Water skier (E838.4)	.0	.0	.0	.0	.0	—	—	—	—
Swimmer (E838.5)	.0	.0	.0	.0	.0	—	—	—	—
Dockers, stevedores (E838.8)	.0	.0	.0	.0	.0	—	—	—	—
Other specified person (E838.9)	.0	.0	.0	.0	.0	—	—	—	—
Unspecified person (E838.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Air and space transport accidents (E840-E845)	.4	.7	.1	.8	.1	.1	.0	.1	.0
Accident to powered aircraft at takeoff or landing (E840)	.0	.0	.0	.1	.0	.0	—	.0	—
Occupant of spacecraft (E840.0)	—	—	—	—	—	—	—	—	—
Occupant of military aircraft, any (E840.1)	.0	.0	—	.0	—	—	—	—	—
Crew of commercial aircraft (powered) in surface to surface transport (E840.2)	.0	.0	.0	.0	.0	—	—	—	—
Other occupant of commercial aircraft (powered) in surface to surface transport (E840.3)	.0	.0	.0	.0	.0	.0	—	.0	—
Occupant of commercial aircraft (powered) in surface to air transport (E840.4)	.0	.0	.0	.0	.0	—	—	—	—
Occupant of other powered aircraft (E840.5)	.0	.0	.0	.0	.0	—	—	—	—
Occupant of unpowered aircraft, except parachutist (E840.6)	—	—	—	—	—	—	—	—	—
Parachutist (military) (other) (E840.7)	—	—	—	—	—	—	—	—	—
Ground crew, airline employee (E840.8)	—	—	—	—	—	—	—	—	—
Other person (E840.9)	.0	.0	—	.0	—	—	—	—	—
Accident to powered aircraft, other and unspecified (E841)	.4	.6	.1	.7	.1	.1	.0	.1	.0
Occupant of spacecraft (E841.0)	.0	.0	—	.0	—	—	—	—	—
Occupant of military aircraft, any (E841.1)	.0	.1	—	.1	—	.0	—	.0	—
Crew of commercial aircraft (powered) in surface to surface transport (E841.2)	.0	.1	.0	.1	.0	—	—	—	—
Other occupant of commercial aircraft (powered) in surface to surface transport (E841.3)	.2	.3	.1	.3	.1	.0	.0	.0	.0
Occupant of commercial aircraft (powered) in surface to air transport (E841.4)	.0	.0	—	.0	—	—	—	—	—
Occupant of other powered aircraft (E841.5)	.1	.2	.0	.2	.0	.0	—	.0	—
Occupant of unpowered aircraft, except parachutist (E841.6)	—	—	—	—	—	—	—	—	—
Parachutist (military) (other) (E841.7)	.0	.0	—	.0	—	—	—	—	—
Ground crew, airline employee (E841.8)	—	—	—	—	—	—	—	—	—
Other person (E841.9)	.0	.0	.0	.0	.0	.0	—	.0	—
Accident to unpowered aircraft (E842)	.0	.0	.0	.0	.0	—	—	—	—
Occupant of spacecraft (E842.0)	—	—	—	—	—	—	—	—	—
Occupant of military aircraft, any (E842.1)	—	—	—	—	—	—	—	—	—
Crew of commercial aircraft (powered) in surface to surface transport (E842.2)	—	—	—	—	—	—	—	—	—
Other occupant of commercial aircraft (powered) in surface to surface transport (E842.3)	—	—	—	—	—	—	—	—	—
Occupant of commercial aircraft (powered) in surface to air transport (E842.4)	—	—	—	—	—	—	—	—	—
Occupant of other powered aircraft (E842.5)	—	—	—	—	—	—	—	—	—
Occupant of unpowered aircraft, except parachutist (E842.6)	.0	.0	.0	.0	.0	—	—	—	—
Parachutist (military) (other) (E842.7)	—	—	—	—	—	—	—	—	—
Ground crew, airline employee (E842.8)	—	—	—	—	—	—	—	—	—
Other person (E842.9)	.0	.0	.0	.0	.0	—	—	—	—
Fall in, on, or from aircraft (E843)	.0	.0	—	.0	—	—	—	—	—
Occupant of spacecraft (E843.0)	—	—	—	—	—	—	—	—	—
Occupant of military aircraft, any (E843.1)	.0	.0	—	.0	—	—	—	—	—
Crew of commercial aircraft (powered) in surface to surface transport (E843.2)	—	—	—	—	—	—	—	—	—
Other occupant of commercial aircraft (powered) in surface to surface transport (E843.3)	—	—	—	—	—	—	—	—	—
Occupant of commercial aircraft (powered) in surface to air transport (E843.4)	—	—	—	—	—	—	—	—	—
Occupant of other powered aircraft (E843.5)	—	—	—	—	—	—	—	—	—
Occupant of unpowered aircraft, except parachutist (E843.6)	.0	.0	—	.0	—	—	—	—	—
Parachutist (military) (other) (E843.7)	—	—	—	—	—	—	—	—	—
Ground crew, airline employee (E843.8)	—	—	—	—	—	—	—	—	—
Other person (E843.9)	—	—	—	—	—	—	—	—	—
Other specified air transport accidents (E844)	.0	.0	.0	.0	.0	.0	—	.0	—
Occupant of spacecraft (E844.0)	—	—	—	—	—	—	—	—	—
Occupant of military aircraft, any (E844.1)	.0	.0	—	.0	—	—	—	—	—
Crew of commercial aircraft (powered) in surface to surface transport (E844.2)	—	—	—	—	—	—	—	—	—
Other occupant of commercial aircraft (powered) in surface to surface transport (E844.3)	.0	.0	—	.0	—	.0	—	.0	—
Occupant of commercial aircraft (powered) in surface to air transport (E844.4)	—	—	—	—	—	—	—	—	—
Occupant of other powered aircraft (E844.5)	.0	.0	—	.0	—	—	—	—	—
Occupant of unpowered aircraft, except parachutist (E844.6)	—	—	—	—	—	—	—	—	—
Parachutist (military) (other) (E844.7)	.0	.0	.0	.0	.0	.0	—	.0	—
Ground crew, airline employee (E844.8)	—	—	—	—	—	—	—	—	—
Other person (E844.9)	.0	.0	.0	.0	.0	—	—	—	—
Accident involving spacecraft (E845)	—	—	—	—	—	—	—	—	—
Occupant of spacecraft (E845.0)	—	—	—	—	—	—	—	—	—
Occupant of military aircraft, any (E845.1)	—	—	—	—	—	—	—	—	—
Crew of commercial aircraft (powered) in surface to surface transport (E845.2)	—	—	—	—	—	—	—	—	—
Other occupant of commercial aircraft (powered) in surface to surface transport (E845.3)	—	—	—	—	—	—	—	—	—
Occupant of commercial aircraft (powered) in surface to air transport (E845.4)	—	—	—	—	—	—	—	—	—
Occupant of other powered aircraft (E845.5)	—	—	—	—	—	—	—	—	—
Occupant of unpowered aircraft, except parachutist (E845.6)	—	—	—	—	—	—	—	—	—
Parachutist (military) (other) (E845.7)	—	—	—	—	—	—	—	—	—
Ground crew, airline employee (E845.8)	—	—	—	—	—	—	—	—	—
Other person (E845.9)	—	—	—	—	—	—	—	—	—
Vehicle accidents not elsewhere classifiable (E848-E849)	.0	.0	.0	.0	.0	.0	—	—	—
Accidents involving powered vehicles used solely within the buildings and premises of an industrial or commercial establishment (E846)	.0	.0	—	.0	—	—	—	—	—
Accidents involving cable cars not running on rails (E847)	—	—	—	—	—	—	—	—	—
Accidents involving other vehicles not elsewhere classified (E848)	.0	.0	.0	.0	.0	.0	—	—	—











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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix ]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Failure of sterile precautions during procedure-Con.									
Endoscopic examination (E872.4)	-	-	-	-	-	-	-	-	-
Aspiration of fluid or tissue, puncture, and catheterization (any except heart catheterization) (E872.5)	-	-	-	-	-	-	-	-	-
Heart catheterization (E872.6)	-	-	-	-	-	-	-	-	-
Other (E872.6)	-	-	-	-	-	-	-	-	-
Unspecified (E872.9)	-	-	-	-	-	-	-	-	-
Failure in dosage (E873)	3	-	3	-	2	-	1	-	1
Excessive amount of blood or other fluid during transfusion or infusion (E873.0)	-	-	-	-	-	-	-	-	-
Incorrect dilution of fluid during infusion (E873.1)	-	-	-	-	-	-	-	-	-
Overdose of radiation in therapy (E873.2)	3	-	3	-	2	-	1	-	1
Inadvertent exposure of patient to radiation during medical care (E873.3)	-	-	-	-	-	-	-	-	-
Failure in dosage in electroshock or insulin-shock therapy (E873.4)	-	-	-	-	-	-	-	-	-
Inappropriate (too hot or too cold) temperature in local application and packing (E873.5)	-	-	-	-	-	-	-	-	-
Nonadministration of necessary drug or medication (E873.6)	-	-	-	-	-	-	-	-	-
Other (E873.6)	-	-	-	-	-	-	-	-	-
Unspecified (E873.9)	-	-	-	-	-	-	-	-	-
Mechanical failure of instrument or apparatus during procedure (E874)	12	8	4	7	3	1	1	1	1
Surgical operation (E874.0)	6	4	2	4	1	-	1	-	1
Infusion and transfusion (E874.1)	2	1	1	1	1	-	-	-	-
Kidney dialysis and other perfusion (E874.2)	-	-	-	-	-	-	-	-	-
Endoscopic examination (E874.3)	-	-	-	-	-	-	-	-	-
Aspiration of fluid or tissue, puncture, and catheterization (any except heart catheterization) (E874.4)	-	-	-	-	-	-	-	-	-
Heart catheterization (E874.5)	-	-	-	-	-	-	-	-	-
Other (E874.6)	4	3	1	2	1	1	-	1	-
Unspecified (E874.9)	-	-	-	-	-	-	-	-	-
Contaminated or infected blood, other fluid, drug, or biological substance (E875)	7	4	3	3	3	1	-	1	-
Contaminated substance transfused or infused (E875.0)	6	3	3	2	3	1	-	1	-
Contaminated substance injected or used for vaccination (E875.1)	-	-	-	-	-	-	-	-	-
Contaminated drug or biological substance administered by other means (E875.2)	-	-	-	-	-	-	-	-	-
Other (E875.3)	-	-	-	-	-	-	-	-	-
Unspecified (E875.9)	1	1	-	1	-	-	-	-	-
Other and unspecified misadventures during medical care (E876)	58	31	27	23	20	8	7	7	7
Mismatched blood in transfusion (E876.0)	2	-	2	-	2	-	-	-	-
Wrong fluid in infusion (E876.1)	-	-	-	-	-	-	-	-	-
Failure in suture and ligature during surgical operation (E876.2)	1	1	-	1	-	-	-	-	-
Endotracheal tube wrongly placed during anesthetic procedure (E876.3)	3	1	2	1	1	-	1	-	1
Failure to introduce or to remove other tube or instrument (E876.4)	1	1	-	1	-	-	-	-	-
Performance of inappropriate operation (E876.5)	-	-	-	-	-	-	-	-	-
Other specified misadventures (E876.6)	47	25	22	18	18	7	6	6	6
Unspecified misadventure (E876.9)	4	3	1	2	1	1	-	1	-
Surgical and medical procedures as the cause of abnormal reaction of patient or later complication, without mention of misadventure at the time of procedure (E878-E879)	2,529	1,225	1,304	1,024	1,077	201	227	188	209
Surgical operation and other surgical procedures as the cause of abnormal reaction of patient, or of later complication, without mention of misadventure at the time of operation (E878)	2,061	1,004	1,057	835	875	169	182	157	166
Surgical operation with transplant of whole organ (E878.0)	22	11	11	8	9	3	2	3	2
Surgical operation with implant of artificial internal device (E878.1)	228	109	119	102	110	7	9	3	9
Surgical operation with anastomosis, bypass, or graft with natural or artificial tissues used as implant (E878.2)	179	95	78	76	69	19	9	17	9
Surgical operation with formation of external stoma (E878.3)	161	83	78	69	58	14	20	12	18
Other restorative surgery (E878.4)	110	54	56	48	50	6	6	6	5
Amputation of limb(s) (E878.5)	308	156	152	105	114	51	38	49	35
Removal of other organ (partial) (total) (E878.6)	174	81	93	71	72	10	21	10	20
Other (E878.7)	227	107	120	85	99	22	21	21	19
Unspecified (E878.9)	658	308	350	271	294	37	56	36	51
Other procedures, without mention of misadventure at the time of procedure, as the cause of abnormal reaction of patient, or of later complication (E879)	468	221	247	189	202	32	45	31	43
Cardiac catheterization (E879.0)	13	7	6	7	6	-	-	-	-
Kidney dialysis (E879.1)	18	9	9	9	7	-	2	-	2
Radiological procedure and radiotherapy (E879.2)	3	1	2	1	2	-	-	-	-
Shock therapy (E879.3)	1	1	-	1	-	-	-	-	-
Aspiration of fluid (E879.4)	6	5	1	4	1	1	-	1	-
Insertion of gastric or duodenal sound (E879.5)	1	1	-	1	-	-	-	-	-
Urinary catheterization (E879.6)	126	62	64	55	56	7	8	7	8
Blood sampling (E879.7)	-	-	-	-	-	-	-	-	-
Other (E879.8)	284	130	184	108	130	22	34	21	32
Unspecified (E879.9)	6	5	1	3	-	2	1	2	1
Accidental falls (E880-E888)	12,096	6,303	5,793	5,498	5,388	805	405	678	339
Fall on or from stairs or steps (E880)	1,093	627	466	533	438	94	29	85	23
Escalator (E880.0)	2	2	-	2	-	-	-	-	-
Other stairs or steps (E880.9)	1,091	625	466	531	438	94	28	85	23
Fall on or from ladders or scaffolding (E881)	384	343	21	319	21	24	-	18	-
Fall from ladder (E881.0)	276	256	20	239	20	18	-	13	-
Fall from scaffolding (E881.1)	88	87	1	81	1	6	-	5	-
Fall from or out of building or other structure (E882)	672	592	80	482	57	110	23	97	20
Fall into hole or other opening in surface (E883)	99	90	9	75	7	15	2	12	1
Accident from diving or jumping into water (swimming pool) (E883.0)	39	37	2	31	2	6	-	4	-
Accidental fall into well (E883.1)	1	1	-	1	-	-	-	-	-
Accidental fall into storm drain or manhole (E883.2)	4	4	-	4	-	-	-	-	-
Fall into other hole or other opening in surface (E883.9)	65	48	7	39	5	9	2	8	1
Other falls from one level to another (E884)	1,089	724	365	601	322	123	43	88	32
Fall from playground equipment (E884.0)	7	3	4	3	4	-	-	-	-
Fall from cliff (E884.1)	96	86	10	78	7	8	3	1	-

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Failure of sterile precautions during procedure—Con.									
Endoscopic examination (E872.4)	—	—	—	—	—	—	—	—	—
Aspiration of fluid or tissue, puncture, and catheterization (any except heart catheterization) (E872.5)	—	—	—	—	—	—	—	—	—
Heart catheterization (E872.6)	—	—	—	—	—	—	—	—	—
Other (E872.8)	—	—	—	—	—	—	—	—	—
Unspecified (E872.9)	—	—	—	—	—	—	—	—	—
Failure in dosage (E873)	0.0	—	0.0	—	0.0	—	0.0	—	0.0
Excessive amount of blood or other fluid during transfusion or infusion (E873.0)	—	—	—	—	—	—	—	—	—
Incorrect dilution of fluid during infusion (E873.1)	—	—	—	—	—	—	—	—	—
Overdose of radiation in therapy (E873.2)	.0	—	.0	—	.0	—	.0	—	.0
Inadvertent exposure of patient to radiation during medical care (E873.3)	—	—	—	—	—	—	—	—	—
Failure in dosage in electroshock or insulin-shock therapy (E873.4)	—	—	—	—	—	—	—	—	—
Inappropriate (too hot or too cold) temperature in local application and packing (E873.5)	—	—	—	—	—	—	—	—	—
Nonadministration of necessary drug or medication (E873.6)	—	—	—	—	—	—	—	—	—
Other (E873.8)	—	—	—	—	—	—	—	—	—
Unspecified (E873.9)	—	—	—	—	—	—	—	—	—
Mechanical failure of instrument or apparatus during procedure (E874)	.0	0.0	.0	0.0	.0	0.0	.0	0.0	.0
Surgical operation (E874.0)	—	.0	—	.0	—	—	.0	—	.0
Infusion and transfusion (E874.1)	.0	.0	.0	.0	.0	—	—	—	—
Kidney dialysis and other perfusion (E874.2)	—	—	—	—	—	—	—	—	—
Endoscopic examination (E874.3)	—	—	—	—	—	—	—	—	—
Aspiration of fluid or tissue, puncture, and catheterization (any except heart catheterization) (E874.4)	—	—	—	—	—	—	—	—	—
Heart catheterization (E874.5)	—	—	—	—	—	—	—	—	—
Other (E874.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (E874.9)	—	—	—	—	—	—	—	—	—
Contaminated or infected blood, other fluid, drug, or biological substance (E875)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Contaminated substance transfused or infused (E875.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Contaminated substance injected or used for vaccination (E875.1)	—	—	—	—	—	—	—	—	—
Contaminated drug or biological substance administered by other means (E875.2)	—	—	—	—	—	—	—	—	—
Other (E875.8)	—	—	—	—	—	—	—	—	—
Unspecified (E875.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other and unspecified misadventures during medical care (E876)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Mismatched blood in transfusion (E876.0)	.0	—	.0	—	.0	—	—	—	—
Wrong fluid in infusion (E876.1)	—	—	—	—	—	—	—	—	—
Failure in suture and ligature during surgical operation (E876.2)	.0	.0	—	.0	—	—	—	—	—
Endotracheal tube wrongly placed during anesthetic procedure (E876.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Failure to introduce or to remove other tube or instrument (E876.4)	.0	.0	—	.0	—	—	—	—	—
Performance of inappropriate operation (E876.5)	—	—	—	—	—	—	—	—	—
Other specified misadventures (E876.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified misadventure (E876.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Surgical and medical procedures as the cause of abnormal reaction of patient or later complication, without mention of misadventure at the time of procedure (E878-E879)	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.3	1.3
Surgical operation and other surgical procedures as the cause of abnormal reaction of patient, or of later complication, without mention of misadventure at the time of operation (E878)	.8	.8	.8	.8	.8	.9	.9	1.1	1.0
Surgical operation with transplant of whole organ (E878.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Surgical operation with implant of artificial internal device (E878.1)	.1	.1	.1	.1	.1	.0	.0	.0	.1
Surgical operation with anastomosis, bypass, or graft with natural or artificial tissues used as implant (E878.2)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Surgical operation with formation of external stoma (E878.3)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Other restorative surgery (E878.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Amputation of limb(s) (E878.5)	.1	.1	.1	.1	.1	.3	.2	.3	.2
Removal of other organ (partial) (total) (E878.6)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Other (E878.8)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Unspecified (E878.9)	.3	.3	.3	.3	.3	.2	.3	.3	.3
Other procedures, without mention of misadventure at the time of procedure, as the cause of abnormal reaction of patient, or of later complication (E879)	.2	.2	.2	.2	.2	.2	.2	.2	.3
Cardiac catheterization (E879.0)	.0	.0	.0	.0	.0	—	—	—	—
Kidney dialysis (E879.1)	.0	.0	.0	.0	.0	—	.0	—	.0
Radiological procedure and radiotherapy (E879.2)	.0	.0	.0	.0	.0	—	—	—	—
Shock therapy (E879.3)	.0	.0	—	.0	—	—	—	—	—
Aspiration of fluid (E879.4)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Insertion of gastric or duodenal sound (E879.5)	.0	.0	—	.0	—	—	—	—	—
Urinary catheterization (E879.6)	.1	.1	.1	.1	.1	.0	.0	.0	.1
Blood sampling (E879.7)	—	—	—	—	—	—	—	—	—
Other (E879.8)	.1	.1	.1	.1	.1	.1	.2	.1	.2
Unspecified (E879.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Accidental falls (E880-E889)	4.9	5.9	4.6	5.4	5.1	4.4	2.0	4.7	2.1
Fall on or from stairs or steps (E880)	.4	.5	.4	.5	.4	.5	.1	.6	.1
Escalator (E880.0)	.0	.0	—	.0	—	—	—	—	—
Other stairs or steps (E880.9)	.4	.5	.4	.5	.4	.5	.1	.6	.1
Fall on or from ladders or scaffolding (E881)	.1	.3	.0	.3	.0	.1	—	.1	—
Fall from ladder (E881.0)	.1	.2	.0	.2	.0	.1	—	.1	—
Fall from scaffolding (E881.1)	.0	.1	.0	.1	.0	.0	—	.0	—
Fall from or out of building or other structure (E882)	.3	.5	.1	.5	.1	.6	.1	.7	.1
Fall into hole or other opening in surface (E883)	.0	.1	.0	.1	.0	.1	.0	.1	.0
Accident from diving or jumping into water (swimming pool) (E883.0)	.0	.0	—	.0	—	—	—	—	—
Accidental fall into well (E883.1)	.0	.0	—	.0	—	—	—	—	—
Accidental fall into storm drain or manhole (E883.2)	.0	.0	—	.0	—	—	—	—	—
Fall into other hole or other opening in surface (E883.9)	.0	.0	.0	.0	.0	.0	.0	.1	.0
Other falls from one level to another (E884)	.4	.6	.3	.6	.3	.7	.2	.8	.2
Fall from playground equipment (E884.0)	.0	.0	.0	.0	.0	—	—	—	—
Fall from cliff (E884.1)	.0	.1	.0	.1	.0	.0	.0	.0	.0

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Other falls from one level to another—Con.									
Fall from chair or bed (E884.2)	454	205	249	175	228	30	21	23	17
Other falls from one level to another (E884.9)	832	430	102	345	83	85	19	64	15
Fall on same level from slipping, tripping, or stumbling (E885)	428	206	220	196	203	8	17	7	16
Fall on same level from collision, pushing, or shoving, by or with other person (E886)	7	6	1	6	1	-	-	-	-
In sports (E886.0)	5	5	-	5	-	-	-	-	-
Other and unspecified (E886.9)	2	1	1	1	1	-	-	-	-
Fracture, cause unspecified (E887)	2,800	1,050	1,850	967	1,771	83	79	72	70
Other and unspecified falls (E888)	5,446	2,685	2,781	2,917	2,568	348	213	299	177
Accidents caused by fire and flames (E890-E899)	4,865	3,067	1,898	2,025	1,280	1,042	618	866	598
Conflagration in private dwelling (E890)	4,088	2,466	1,822	1,567	1,066	899	556	855	538
Explosion caused by conflagration (E890.0)	3	2	1	2	1	-	-	-	-
Fumes from combustion of polyvinylchloride (PVC) and similar material in conflagration (E890.1)	2	2	-	-	-	2	-	2	-
Other smoke and fumes from conflagration (E890.2)	3,123	1,897	1,226	1,218	804	679	422	638	408
Burning caused by conflagration (E890.3)	839	496	343	303	230	193	113	190	110
Other accident resulting from conflagration (E890.8)	80	46	34	32	19	14	15	14	14
Unspecified (E890.9)	41	23	18	12	12	11	6	11	6
Conflagration in other and unspecified building or structure (E891)	118	108	12	88	10	18	2	13	1
Explosion caused by conflagration (E891.0)	6	4	2	4	2	-	-	-	-
Fumes from combustion of polyvinylchloride (PVC) and similar material in conflagration (E891.1)	-	-	-	-	-	-	-	-	-
Other smoke and fumes from conflagration (E891.2)	64	56	8	46	6	10	2	7	1
Burning caused by conflagration (E891.3)	36	34	2	27	2	7	-	5	-
Other accident resulting from conflagration (E891.8)	6	6	-	5	-	1	-	1	-
Unspecified (E891.9)	6	6	-	6	-	-	-	-	-
Conflagration not in building or structure (E892)	74	60	14	54	11	8	3	8	1
Accident caused by ignition of clothing (E893)	208	110	95	85	79	24	16	24	16
From controlled fire in private dwelling (E893.0)	76	37	39	26	29	11	10	11	10
From controlled fire in other building or structure (E893.1)	7	4	3	2	2	2	1	2	1
From controlled fire not in building or structure (E893.2)	24	21	3	20	3	1	-	1	-
From other sources (E893.8)	60	29	31	26	28	3	3	3	3
Unspecified (E893.9)	38	19	19	12	17	7	2	7	2
Ignition of highly inflammable material (E894)	75	59	16	47	12	12	4	11	4
Accident caused by controlled fire in private dwelling (E895)	30	16	14	11	7	5	7	4	7
Accident caused by controlled fire in other and unspecified building or structure (E895)	2	1	1	-	1	1	-	1	-
Accident caused by controlled fire not in building or structure (E897)	22	19	3	15	3	4	-	4	-
Accident caused by other specified fire and flames (E898)	106	73	33	56	29	17	4	14	3
Burning bedclothes (E898.0)	22	12	10	12	8	-	2	-	2
Other (E898.1)	84	61	23	44	21	17	2	14	1
Accident caused by unspecified fire (E899)	245	157	88	101	62	56	26	54	26
Accidents due to natural and environmental factors (E900-E909)	1,798	1,222	576	803	412	419	184	346	144
Excessive heat (E900)	454	281	173	192	110	89	63	83	60
Due to weather conditions (E900.0)	210	135	75	83	48	42	27	39	24
Of manmade origin (E900.1)	15	11	4	9	2	2	2	1	2
Of unspecified origin (E900.9)	229	135	94	90	60	45	34	43	34
Excessive cold (E901)	846	597	249	338	170	259	79	213	71
Due to weather conditions (E901.0)	431	322	109	180	74	142	35	109	29
Of manmade origin (E901.1)	1	-	1	-	1	-	-	-	-
Other (E901.8)	13	7	6	4	6	3	-	3	-
Of unspecified origin (E901.9)	401	268	133	154	89	114	44	101	42
High and low air pressure and changes in air pressure (E902)	14	9	5	8	5	1	-	-	-
Residence or prolonged visit at high altitude (E902.0)	1	1	-	1	-	-	-	-	-
In aircraft (E902.1)	-	-	-	-	-	-	-	-	-
Due to diving (E902.2)	5	5	-	4	-	1	-	-	-
Due to other specified causes (E902.8)	2	2	-	2	-	-	-	-	-
Unspecified (E902.9)	6	1	5	1	5	-	-	-	-
Travel and motion (E903)	-	-	-	-	-	-	-	-	-
Hunger, thirst, exposure, neglect (E904)	199	127	72	82	61	45	11	29	5
Abandonment or neglect of infants and helpless persons (E904.0)	8	5	3	2	2	3	1	3	1
Lack of food (E904.1)	83	34	49	30	45	4	4	4	3
Lack of water (E904.2)	-	-	-	-	-	-	-	-	-
Exposure (to weather conditions), not elsewhere classified (E904.3)	104	85	19	48	14	37	5	21	1
Privation, unqualified (E904.9)	4	3	1	2	-	1	1	1	-
Venomous animals and plants as the cause of poisoning and toxic reactions (E905)	48	36	12	33	12	3	-	3	-
Venomous snakes and lizards (E905.0)	-	-	-	-	-	-	-	-	-
Venomous spiders (E905.1)	4	1	3	1	3	-	-	-	-
Scorpion (E905.2)	-	-	-	-	-	-	-	-	-
Hornets, wasps, and bees (E905.3)	34	27	7	26	7	1	-	1	-
Centipede and venomous millipede (tropical) (E905.4)	-	-	-	-	-	-	-	-	-
Other venomous arthropods (E905.5)	7	8	1	4	1	2	-	2	-
Venomous marine animals and plants (E905.6)	2	1	1	1	1	-	-	-	-
Poisoning and toxic reactions caused by other plants (E905.7)	-	-	-	-	-	-	-	-	-
Other specified (E905.8)	-	-	-	-	-	-	-	-	-
Unspecified (E905.9)	1	1	-	1	-	-	-	-	-

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix ]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Other falls from one level to another—Con.									
Fall from chair or bed (E884.2)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1
Other falls from one level to another (E884.9)	.2	.4	.1	.3	.1	.5	.1	.4	.1
Fall on same level from slipping, tripping, or stumbling (E895)	.2	.2	.2	.2	.2	.0	.1	.0	.1
Fall on same level from collision, pushing, or shoving, by or with other person (E886)	.0	.0	.0	.0	.0	—	—	—	—
In sports (E886.0)	.0	.0	—	.0	—	—	—	—	—
Other and unspecified (E886.9)	.0	.0	.0	.0	.0	—	—	—	—
Fracture, cause unspecified (E887)	1.2	.9	1.5	1.0	1.7	.5	.4	.5	.4
Other and unspecified falls (E888)	2.2	2.2	2.2	2.3	2.4	1.9	1.1	2.1	1.1
Accidents caused by fire and flames (E890-E899)	2.0	2.6	1.5	2.0	1.2	5.7	3.1	6.9	3.8
Conflagration in private dwelling (E890)	1.7	2.1	1.3	1.5	1.0	4.9	2.8	6.0	3.4
Explosion caused by conflagration (E890.0)	.0	.0	.0	.0	.0	—	—	—	—
Fumes from combustion of polyvinylchloride (PVC) and similar material in conflagration (E890.1)	.0	.0	—	—	—	.0	—	.0	—
Other smoke and fumes from conflagration (E890.2)	1.3	1.6	1.0	1.2	.8	3.7	2.1	4.5	2.6
Burning caused by conflagration (E890.3)	.3	.4	.3	.3	.2	1.1	.6	1.3	.7
Other accident resulting from conflagration (E890.8)	.0	.0	.0	.0	.0	.1	.1	.1	.1
Unspecified (E890.9)	.0	.0	.0	.0	.0	.1	.0	.1	.0
Conflagration in other and unspecified building or structure (E891)	.0	.1	.0	.1	.0	.1	.0	.1	.0
Explosion caused by conflagration (E891.0)	.0	.0	.0	.0	.0	—	—	—	—
Fumes from combustion of polyvinylchloride (PVC) and similar material in conflagration (E891.1)	—	—	—	—	—	—	—	—	—
Other smoke and fumes from conflagration (E891.2)	.0	.0	.0	.0	.0	.1	.0	.0	.0
Burning caused by conflagration (E891.3)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other accident resulting from conflagration (E891.8)	.0	.0	—	.0	—	.0	—	.0	—
Unspecified (E891.9)	.0	.0	—	.0	—	—	—	—	—
Conflagration not in building or structure (E892)	.0	.1	.0	.1	.0	.0	.0	.0	.0
Accident caused by ignition of clothing (E893)	.1	.1	.1	.1	.1	.1	.1	.2	.1
From controlled fire in private dwelling (E893.0)	.0	.0	.0	.0	.0	.1	.0	.1	.1
From controlled fire in other building or structure (E893.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
From controlled fire not in building or structure (E893.2)	.0	.0	.0	.0	.0	.0	.0	.0	.0
From other sources (E893.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Unspecified (E893.9)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ignition of highly inflammable material (E894)	.0	.0	.0	.0	.0	.1	.0	.1	.0
Accident caused by controlled fire in private dwelling (E895)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Accident caused by controlled fire in other and unspecified building or structure (E896)	.0	.0	.0	—	.0	.0	—	.0	—
Accident caused by controlled fire not in building or structure (E897)	.0	.0	.0	.0	.0	.0	—	.0	—
Accident caused by other specified fire and flames (E898)	.0	.1	.0	.1	.0	.1	.0	.1	.0
Burning bodclothes (E898.0)	.0	.0	.0	.0	.0	.0	—	.0	—
Other (E898.1)	.0	.1	.0	.0	.0	.1	.0	.1	.0
Accident caused by unspecified fire (E899)	.1	.1	.1	.1	.1	.3	.1	.4	.2
Accidents due to natural and environmental factors (E900-E909)	.7	1.0	.5	.8	.4	2.3	.8	2.4	.9
Excessive heat (E900)	.2	.2	.1	.2	.1	.5	.3	.6	.4
Due to weather conditions (E900.0)	.1	.1	.1	.1	.0	.2	.1	.3	.2
Of manmade origin (E900.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Of unspecified origin (E900.9)	.1	.1	.1	.1	.1	.2	.2	.3	.2
Excessive cold (E901)	.3	.5	.2	.3	.2	1.4	.4	1.5	.4
Due to weather conditions (E901.0)	.2	.3	.1	.2	.1	.8	.2	.8	.2
Of manmade origin (E901.1)	.0	—	.0	—	.0	—	—	—	—
Other (E901.8)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Of unspecified origin (E901.9)	.2	.2	.1	.2	.1	.6	.2	.7	.3
High and low air pressure and changes in air pressure (E902)	.0	.0	.0	.0	.0	.0	—	—	—
Residence or prolonged visit at high altitude (E902.0)	.0	.0	—	.0	—	—	—	—	—
In aircraft (E902.1)	—	—	—	—	—	—	—	—	—
Due to diving (E902.2)	.0	.0	—	.0	—	.0	—	—	—
Due to other specified causes (E902.8)	.0	.0	—	.0	—	—	—	—	—
Unspecified (E902.9)	.0	.0	.0	.0	.0	—	—	—	—
Travel and motion (E903)	—	—	—	—	—	—	—	—	—
Hunger, thirst, exposure, neglect (E904)	.1	.1	.1	.1	.1	.2	.1	.2	.0
Abandonment or neglect of infants and helpless persons (E904.0)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lack of food (E904.1)	.0	.0	.0	.0	.0	.0	.0	.0	.0
Lack of water (E904.2)	—	—	—	—	—	—	—	—	—
Exposure (to weather conditions), not elsewhere classified (E904.3)	.0	.1	.0	.0	.0	.2	.0	.1	.0
Privation, unqualified (E904.8)	.0	.0	.0	.0	.0	—	—	.0	—
Venomous animals and plants as the cause of poisoning and toxic reactions (E905)	.0	.0	.0	.0	.0	.0	—	.0	—
Venomous snakes and lizards (E905.0)	—	—	—	—	—	—	—	—	—
Venomous spiders (E905.1)	.0	.0	.0	.0	.0	—	—	—	—
Scorpion (E905.2)	—	—	—	—	—	—	—	—	—
Hornets, wasps, and bees (E905.3)	.0	.0	.0	.0	.0	.0	—	.0	—
Centipede and venomous millipede (tropical) (E905.4)	—	—	—	—	—	—	—	—	—
Other venomous arthropods (E905.5)	.0	.0	.0	.0	.0	.0	—	.0	—
Venomous marine animals and plants (E905.6)	.0	.0	.0	.0	.0	—	—	—	—
Poisoning and toxic reactions caused by other plants (E905.7)	—	—	—	—	—	—	—	—	—
Other specified (E905.8)	—	—	—	—	—	—	—	—	—
Unspecified (E905.9)	.0	.0	—	.0	—	—	—	—	—

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Accidents due to natural and environmental factors—Con.									
Other injury caused by animals (E906)	89	86	23	60	21	6	2	3	1
Dog bite (E906.0)	16	11	5	10	3	1	2	—	1
Rat bite (E906.1)	—	—	—	—	—	—	—	—	—
Bite of nonvenomous snakes and lizards (E906.2)	—	—	—	—	—	—	—	—	—
Bite of other animal except arthropod (E906.3)	1	—	1	—	—	—	—	—	—
Bite of nonvenomous arthropod (E906.4)	7	5	2	5	2	—	—	—	—
Other specified injury caused by animal (E906.9)	60	46	14	41	14	5	—	3	—
Unspecified (E906.9)	5	4	1	4	1	—	—	—	—
Lightning (E907)	82	68	16	59	12	7	4	6	3
Cataclysmic storms and floods resulting from storms (E908)	59	36	23	27	19	9	4	9	4
Cataclysmic earth surface movements and eruptions (E909)	7	4	3	4	2	—	1	—	—
Accidents caused by submersion, suffocation, and foreign bodies (E910-E915)	9,003	6,095	2,908	4,750	2,417	1,345	491	1,128	424
Accidental drowning and submersion (E910)	4,189	3,346	853	2,507	680	839	173	685	136
While water skiing (E910.0)	7	6	1	6	1	—	—	—	—
While engaged in other sport or recreational activity with diving equipment (E910.1)	44	41	3	41	3	—	—	—	—
While engaged in other sport or recreational activity without diving equipment (E910.2)	839	744	95	553	89	191	26	154	21
While swimming or diving for purposes other than recreation or sport (E910.3)	52	46	6	31	3	15	3	11	—
In bathtub (E910.4)	364	171	193	124	162	47	31	43	28
Other (E910.8)	2,179	1,766	413	1,300	332	468	81	383	82
Unspecified (E910.9)	714	572	142	452	110	120	32	84	25
Inhalation and ingestion of food causing obstruction of respiratory tract or suffocation (E911)	1,575	880	695	715	600	165	95	144	89
Inhalation and ingestion of other object causing obstruction of respiratory tract or suffocation (E912)	2,230	1,112	1,118	907	947	205	171	185	155
Accidental mechanical suffocation (E913)	956	731	225	598	173	133	52	112	47
In bed or cradle (E913.0)	172	98	74	68	52	29	22	25	21
By plastic bag (E913.1)	51	35	16	27	13	8	3	7	3
Due to lack of air (in closed place) (E913.2)	28	23	5	15	4	8	1	7	1
By falling earth or other substance (E913.3)	196	104	2	98	2	6	—	4	—
Other specified means (E913.8)	460	368	92	304	75	64	17	51	15
Unspecified (E913.9)	199	103	36	95	27	19	9	18	7
Foreign body accidentally entering eye and adnexa (E914)	1	1	—	—	—	1	—	—	—
Foreign body accidentally entering other orifice (E915)	42	25	17	23	17	2	—	2	—
Other accidents (E916-E928)	7,356	6,008	1,348	5,079	1,139	929	209	797	188
Struck accidentally by falling object (E916)	835	775	60	680	55	115	5	102	4
Striking against or struck accidentally by objects or persons (E917)	239	202	37	170	33	32	4	27	3
In sports (E917.0)	48	42	6	35	6	7	—	7	—
Caused by a crowd, by collective fear or panic (E917.1)	—	—	—	—	—	—	—	—	—
In running water (E917.2)	3	2	1	1	1	1	—	—	—
Other (E917.9)	188	168	30	134	26	24	4	20	3
Caught accidentally in or between objects (E918)	133	115	18	101	13	14	5	14	5
Accidents caused by machinery (E919)	1,176	1,130	46	1,019	43	111	3	93	2
Agricultural machines (E919.0)	539	572	27	539	26	33	1	27	—
Mining and earth-drilling machinery (E919.1)	45	45	—	41	—	4	—	2	—
Lifting machines and appliances (E919.2)	180	175	5	142	5	33	—	29	—
Metalworking machines (E919.3)	14	14	—	13	—	1	—	1	—
Woodworking and forming machines (E919.4)	18	18	—	16	—	2	—	2	—
Prime movers, except electrical motors (E919.5)	3	3	—	3	—	—	—	—	—
Transmission machinery (E919.6)	21	19	2	16	2	3	—	2	—
Earth moving, scraping, and other excavating machines (E919.7)	115	111	4	100	4	11	—	7	—
Other (E919.8)	124	120	4	103	4	17	—	16	—
Unspecified (E919.9)	57	53	4	46	2	7	2	7	2
Accidents caused by cutting and piercing instruments or objects (E920)	119	101	18	77	14	24	4	23	4
Powered lawn mower (E920.0)	3	3	—	3	—	—	—	—	—
Other powered hand tools (E920.1)	11	10	1	9	1	1	—	1	—
Powered household appliances and implements (E920.2)	1	1	—	1	—	—	—	—	—
Knives, swords, and daggers (E920.3)	10	10	—	9	—	1	—	1	—
Other hand tools and implements (E920.4)	1	1	—	1	—	—	—	—	—
Other (E920.8)	56	48	8	32	5	16	3	15	3
Unspecified (E920.9)	37	28	9	22	8	6	1	6	1
Accident caused by explosion of pressure vessel (E921)	50	50	—	40	—	10	—	7	—
Boilers (E921.0)	3	3	—	3	—	—	—	—	—
Gas cylinders (E921.1)	7	7	—	6	—	1	—	—	—
Other (E921.8)	36	36	—	28	—	8	—	7	—
Unspecified (E921.9)	4	4	—	3	—	1	—	—	—
Accident caused by firearm missile (E922)	1,501	1,304	197	1,041	147	283	50	223	43
Handgun (E922.0)	202	172	30	137	23	95	7	29	8
Shotgun (automatic) (E922.1)	185	167	18	141	15	28	3	21	3
Hunting rifle (E922.2)	93	89	10	78	9	5	1	3	1
Military firearms (E922.3)	3	2	1	2	1	—	—	—	—
Other (E922.8)	5	4	1	3	—	1	1	1	1
Unspecified (E922.9)	1,013	876	137	680	99	196	38	169	32
Accident caused by explosive material (E923)	193	172	21	151	18	21	3	19	3
Fireworks (E923.0)	4	4	—	3	—	1	—	—	—
Blasting materials (E923.1)	4	4	—	4	—	—	—	—	—
Explosive gases (E923.2)	67	60	7	50	8	10	1	10	1
Other (E923.8)	60	55	5	48	5	7	—	7	—
Unspecified (E923.9)	58	49	9	46	7	3	2	2	2













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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Agents primarily affecting gastrointestinal system—Con.									
Other (E943.8) .....	-	-	-	-	-	-	-	-	-
Unspecified (E943.9) .....	-	-	-	-	-	-	-	-	-
Water, mineral, and uric acid metabolism drugs (E944) .....	2	-	2	-	2	-	-	-	-
Mercurial diuretics (E944.0) .....	-	-	-	-	-	-	-	-	-
Purine derivative diuretics (E944.1) .....	1	-	1	-	1	-	-	-	-
Carbonic acid anhydrase inhibitors (E944.2) .....	1	-	1	-	1	-	-	-	-
Saluretics (E944.3) .....	-	-	-	-	-	-	-	-	-
Other diuretics (E944.4) .....	-	-	-	-	-	-	-	-	-
Electrolytic, caloric, and water-balance agents (E944.5) .....	-	-	-	-	-	-	-	-	-
Other mineral salts, not elsewhere classified (E944.6) .....	-	-	-	-	-	-	-	-	-
Uric acid metabolism drugs (E944.7) .....	-	-	-	-	-	-	-	-	-
Agents primarily acting on the smooth and skeletal muscles and respiratory system (E945) .....									
Oxytocic agents (E945.0) .....	-	-	-	-	-	-	1	-	1
Smooth muscle relaxants (E945.1) .....	-	-	-	-	-	-	-	-	-
Skeletal muscle relaxants (E945.2) .....	1	-	1	-	-	-	-	-	1
Other and unspecified drugs acting on muscles (E945.3) .....	-	-	-	-	-	-	-	-	-
Antitussives (E945.4) .....	-	-	-	-	-	-	-	-	-
Expectorants (E945.5) .....	-	-	-	-	-	-	-	-	-
Anti-common-cold drugs (E945.6) .....	-	-	-	-	-	-	-	-	-
Antiasthmatics (E945.7) .....	-	-	-	-	-	-	-	-	-
Other and unspecified respiratory drugs (E945.8) .....	-	-	-	-	-	-	-	-	-
Agents primarily affecting skin and mucous membrane, ophthalmological, otorhinolaryngological, and dental drugs (E946) .....									
Local anti-infectives and anti-inflammatory drugs (E946.0) .....	3	2	1	2	1	-	-	-	-
Antipruritics (E946.1) .....	2	1	1	1	1	-	-	-	-
Local astringents and local detergents (E946.2) .....	-	-	-	-	-	-	-	-	-
Emollients, demulcents, and protectants (E946.3) .....	-	-	-	-	-	-	-	-	-
Keratolytics, keratoplastics, other hair treatment drugs and preparations (E946.4) .....	-	-	-	-	-	-	-	-	-
Eye anti-infectives and other eye drugs (E946.5) .....	-	-	-	-	-	-	-	-	-
Anti-infective and other drugs and preparations for ear, nose, and throat (E946.6) .....	1	1	-	1	-	-	-	-	-
Dental drugs topically applied (E946.7) .....	-	-	-	-	-	-	-	-	-
Other (E946.8) .....	-	-	-	-	-	-	-	-	-
Unspecified (E946.9) .....	-	-	-	-	-	-	-	-	-
Other and unspecified drugs and medicaments (E947) .....									
Dietetics (E947.0) .....	108	60	48	48	42	12	6	10	6
Lipotropic drugs (E947.1) .....	-	-	-	-	-	-	-	-	-
Antidotes and chelating agents, not elsewhere classified (E947.2) .....	1	1	-	1	-	-	-	-	-
Alcohol deterrents (E947.3) .....	-	-	-	-	-	-	-	-	-
Pharmaceutical excipients (E947.4) .....	-	-	-	-	-	-	-	-	-
Other drugs and medicaments (E947.8) .....	27	13	14	11	13	2	1	2	1
Unspecified drug or medicament (E947.9) .....	80	46	34	36	29	10	5	8	5
Bacterial vaccines (E948) .....									
BCG vaccine (E948.0) .....	1	1	-	1	-	-	-	-	-
Typhoid and paratyphoid (E948.1) .....	-	-	-	-	-	-	-	-	-
Cholera (E948.2) .....	-	-	-	-	-	-	-	-	-
Plague (E948.3) .....	-	-	-	-	-	-	-	-	-
Tetanus (E948.4) .....	-	-	-	-	-	-	-	-	-
Diphtheria (E948.5) .....	1	1	-	1	-	-	-	-	-
Pertussis vaccine, including combinations with a pertussis component (E948.6) .....	-	-	-	-	-	-	-	-	-
Other and unspecified bacterial vaccines (E948.8) .....	-	-	-	-	-	-	-	-	-
Mixed bacterial vaccines, except combinations with a pertussis component (E948.9) .....	-	-	-	-	-	-	-	-	-
Other vaccines and biological substances (E949) .....									
Smallpox vaccine (E949.0) .....	-	-	-	-	-	-	-	-	-
Rabies vaccine (E949.1) .....	-	-	-	-	-	-	-	-	-
Typhus vaccine (E949.2) .....	-	-	-	-	-	-	-	-	-
Yellow fever vaccine (E949.3) .....	-	-	-	-	-	-	-	-	-
Measles vaccine (E949.4) .....	-	-	-	-	-	-	-	-	-
Poliomyelitis vaccine (E949.5) .....	-	-	-	-	-	-	-	-	-
Other and unspecified viral and rickettsial vaccines (E949.6) .....	-	-	-	-	-	-	-	-	-
Mixed viral-rickettsial and bacterial vaccines, except combinations with a pertussis component (E949.7) .....	-	-	-	-	-	-	-	-	-
Other and unspecified vaccines and biological substances (E949.8) .....	-	-	-	-	-	-	-	-	-
Suicide (E950-E959) .....									
Suicide by solid or liquid substances (E950) .....	3,133	1,424	1,709	1,311	1,583	113	126	83	99
Analgesics, antipyretics, and antirheumatics (E950.0) .....	351	149	202	140	169	9	13	6	9
Barbiturates (E950.1) .....	139	68	73	63	72	3	1	1	1
Other sedatives and hypnotics (E950.2) .....	44	31	13	28	13	3	-	2	-
Tranquilizers and other psychotropic agents (E950.3) .....	1,016	407	609	373	564	34	45	28	36
Other specified drugs and medicaments (E950.4) .....	710	328	382	303	336	25	46	18	39
Unspecified drug or medicament (E950.5) .....	650	288	364	265	348	21	16	15	11
Agricultural and horticultural chemical and pharmaceutical preparations other than plant foods and fertilizers (E950.6) .....	39	26	13	23	11	3	2	1	2
Corrosive and caustic substances (E950.7) .....	34	21	13	14	12	7	1	7	1
Arsenic and its compounds (E950.8) .....	3	2	1	2	1	-	-	-	-
Other and unspecified solid and liquid substances (E950.9) .....	147	108	39	100	37	8	2	4	-
Suicide by gases in domestic use (E951) .....									
Gas distributed by pipeline (E951.0) .....	29	24	5	23	5	1	-	1	-
Liquefied petroleum gas distributed in mobile containers (E951.1) .....	15	11	4	11	4	-	-	-	-
Other utility gas (E951.8) .....	12	11	1	11	1	-	-	-	-
Other utility gas (E951.9) .....	2	2	-	1	-	1	-	1	-
Suicide by other gases and vapors (E952) .....									
Motor vehicle exhaust gas (E952.0) .....	2,663	1,955	708	1,907	688	48	20	37	14
Other carbon monoxide (E952.1) .....	2,247	1,637	610	1,596	582	41	18	33	12
Other specified gases and vapors (E952.8) .....	393	300	93	293	91	7	2	4	2
Unspecified gases and vapors (E952.9) .....	20	18	4	16	4	-	-	-	-
Other and unspecified gases and vapors (E952.9) .....	3	2	1	2	1	-	-	-	-
Suicide by hanging, strangulation, and suffocation (E953) .....									
Hanging (E953.0) .....	4,375	3,688	787	3,115	692	473	95	348	30
Suffocation by plastic bag (E953.1) .....	4,005	3,400	605	2,934	512	466	93	341	29
Other and unspecified hanging, strangulation, and suffocation (E953.2) .....	280	122	158	121	157	1	1	1	-

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Agents primarily affecting gastrointestinal system—Con.									
Other (E943.8)	-	-	-	-	-	-	-	-	-
Unspecified (E943.9)	-	-	-	-	-	-	-	-	-
Water, mineral, and uric acid metabolism drugs (E944)	0.0	-	0.0	-	0.0	-	-	-	-
Mercurial diuretics (E944.0)	-	-	-	-	-	-	-	-	-
Purine derivative diuretics (E944.1)	0	-	0	-	0	-	-	-	-
Carbonic acid anhydrase inhibitors (E944.2)	0	-	0	-	0	-	-	-	-
Saluretics (E944.3)	-	-	-	-	-	-	-	-	-
Other diuretics (E944.4)	-	-	-	-	-	-	-	-	-
Electrolytic, caloric, and water-balance agents (E944.5)	-	-	-	-	-	-	-	-	-
Other mineral salts, not elsewhere classified (E944.6)	-	-	-	-	-	-	-	-	-
Uric acid metabolism drugs (E944.7)	-	-	-	-	-	-	-	-	-
Agents primarily acting on the smooth and skeletal muscles and respiratory system (E945)	0	-	0	-	-	-	0.0	-	0.0
Cytotoxic agents (E945.0)	-	-	-	-	-	-	-	-	-
Smooth muscle relaxants (E945.1)	-	-	-	-	-	-	-	-	-
Skeletal muscle relaxants (E945.2)	0	-	0	-	-	-	0	-	0
Other and unspecified drugs acting on muscles (E945.3)	-	-	-	-	-	-	-	-	-
Antitussives (E945.4)	-	-	-	-	-	-	-	-	-
Expectorants (E945.5)	-	-	-	-	-	-	-	-	-
Anti-cough-cold drugs (E945.6)	-	-	-	-	-	-	-	-	-
Antiasthmatics (E945.7)	-	-	-	-	-	-	-	-	-
Other and unspecified respiratory drugs (E945.8)	-	-	-	-	-	-	-	-	-
Agents primarily affecting skin and mucous membrane, ophthalmological, otorhinolaryngological, and dental drugs (E946)	0	0.0	0	0.0	0	-	-	-	-
Local anti-infectives and anti-inflammatory drugs (E946.0)	0	0	0	0	0	-	-	-	-
Antipruritics (E946.1)	-	-	-	-	-	-	-	-	-
Local astringents and local deodorants (E946.2)	-	-	-	-	-	-	-	-	-
Emollients, demulcents, and protectants (E946.3)	-	-	-	-	-	-	-	-	-
Keratolytics, keratoplastics, other hair treatment drugs and preparations (E946.4)	-	-	-	-	-	-	-	-	-
Eye anti-infectives and other eye drugs (E946.5)	-	-	-	-	-	-	-	-	-
Anti-infective and other drugs and preparations for ear, nose, and throat (E946.6)	0	0	0	0	0	-	-	-	-
Dental drugs topically applied (E946.7)	-	-	-	-	-	-	-	-	-
Other (E946.8)	-	-	-	-	-	-	-	-	-
Unspecified (E946.9)	-	-	-	-	-	-	-	-	-
Other and unspecified drugs and medicaments (E947)	0	1	0	0	0	0.1	0	0.1	0
Diuretics (E947.0)	-	-	-	-	-	-	-	-	-
Lipotropic drugs (E947.1)	0	0	0	0	0	-	-	-	-
Antidotes and chelating agents, not elsewhere classified (E947.2)	-	-	-	-	-	-	-	-	-
Alcohol detonants (E947.3)	-	-	-	-	-	-	-	-	-
Pharmaceutical excipients (E947.4)	-	-	-	-	-	-	-	-	-
Other drugs and medicaments (E947.8)	0	0	0	0	0	0	0	0	0
Unspecified drug or medicament (E947.9)	0	0	0	0	0	1	0	1	0
Bacterial vaccines (E948)	0	0	-	0	-	-	-	-	-
BCG vaccine (E948.0)	-	-	-	-	-	-	-	-	-
Typhoid and paratyphoid (E948.1)	-	-	-	-	-	-	-	-	-
Cholera (E948.2)	-	-	-	-	-	-	-	-	-
Plague (E948.3)	-	-	-	-	-	-	-	-	-
Tetanus (E948.4)	-	-	-	-	-	-	-	-	-
Diphtheria (E948.5)	0	0	0	0	0	-	-	-	-
Pertussis vaccine, including combinations with a pertussis component (E948.6)	-	-	-	-	-	-	-	-	-
Other and unspecified bacterial vaccines (E948.8)	-	-	-	-	-	-	-	-	-
Mixed bacterial vaccines, except combinations with a pertussis component (E948.9)	-	-	-	-	-	-	-	-	-
Other vaccines and biological substances (E949)	-	-	-	-	-	-	-	-	-
Smallpox vaccine (E949.0)	-	-	-	-	-	-	-	-	-
Rabies vaccine (E949.1)	-	-	-	-	-	-	-	-	-
Typhus vaccine (E949.2)	-	-	-	-	-	-	-	-	-
Yellow fever vaccine (E949.3)	-	-	-	-	-	-	-	-	-
Measles vaccine (E949.4)	-	-	-	-	-	-	-	-	-
Poliomyelitis vaccine (E949.5)	-	-	-	-	-	-	-	-	-
Other and unspecified viral and rickettsial vaccines (E949.6)	-	-	-	-	-	-	-	-	-
Mixed viral-rickettsial and bacterial vaccines, except combinations with a pertussis component (E949.7)	-	-	-	-	-	-	-	-	-
Other and unspecified vaccines and biological substances (E949.9)	-	-	-	-	-	-	-	-	-
Suicide (E950-E959)	12.4	20.1	5.0	21.7	5.5	11.4	2.6	11.5	2.4
Suicide by solid or liquid substances (E950)	1.3	1.2	1.4	1.3	1.5	.6	.6	.6	.6
Anesthetics, hypnotics, and anxiolytics (E950.0)	.1	.1	.2	.1	.2	.0	.1	.0	.1
Bartolusates (E950.1)	.1	.1	.1	.1	.1	.0	.0	.0	.0
Other sodalives and hypnotics (E950.2)	0	0	0	0	0	0	0	0	0
Tranquilizers and other psychotropic agents (E950.3)	.4	.3	.5	.4	.5	.2	.2	.2	.2
Other specified drugs and medicaments (E950.4)	.3	.3	.3	.3	.3	.1	.2	.1	.2
Unspecified drug or medicament (E950.5)	.3	.2	.3	.3	.3	.1	.1	.1	.1
Agricultural and horticultural chemical and pharmaceutical preparations other than plant foods and fertilizers (E950.6)	0	0	0	0	0	0	0	0	0
Corrosive and caustic substances (E950.7)	0	0	0	0	0	0	0	0	0
Arsenic and its compounds (E950.8)	0	0	0	0	0	0	0	0	0
Other and unspecified solid and liquid substances (E950.9)	.1	.1	.0	.1	.0	.0	.0	.0	-
Suicide by gases in domestic use (E951)	0	0	0	0	0	0	-	0	-
Gas distributed by pipeline (E951.0)	0	0	0	0	0	-	-	-	-
Liquefied petroleum gas distributed in mobile containers (E951.1)	0	0	0	0	0	-	-	-	-
Other utility gas (E951.8)	0	0	-	0	-	0	-	0	-
Suicide by other gases and vapors (E952)	1.1	1.6	.6	1.9	.6	.3	.1	.3	.1
Motor vehicle exhaust gas (E952.0)	.9	1.4	.5	1.8	.6	.2	.1	.2	.1
Other carbon monoxide (E952.1)	.2	.3	.1	.3	.1	.0	.0	.0	.0
Other specified gases and vapors (E952.8)	0	0	0	0	0	-	-	-	-
Unspecified gases and vapors (E952.9)	0	0	0	0	0	-	-	-	-
Suicide by hanging, strangulation, and suffocation (E953)	1.8	3.0	.6	3.1	.7	2.6	.5	2.4	.2
Hanging (E953.0)	1.8	2.8	.5	2.9	.5	2.5	.5	2.4	.2
Suffocation by plastic bag (E953.1)	.1	.1	.1	.1	.1	.0	.0	.0	-

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Suicide by hanging, strangulation, and suffocation-Con.									
Other specified means (E953.8)	40	27	13	26	12	1	1	1	1
Unspecified means (E953.9)	50	39	11	34	11	5	-	3	-
Suicide by submersion (drowning) (E954)	401	244	157	190	135	46	22	43	19
Suicide by firearms and explosives (E955)	18,181	15,666	2,515	14,415	2,920	1,251	195	1,016	168
Handgun (E955.0)	3,197	2,850	547	2,449	513	201	34	151	25
Shotgun (E955.1)	2,941	2,182	159	2,023	150	159	9	134	7
Hunting rifle (E955.2)	1,100	1,024	76	965	74	59	2	28	1
Military firearms (E955.3)	2	2	-	2	-	-	-	-	-
Other and unspecified firearms (E955.4)	11,529	9,788	1,731	8,967	1,582	831	149	702	134
Explosives (E955.5)	8	8	-	7	-	1	-	1	-
Unspecified (E955.9)	4	2	2	2	1	-	1	-	1
Suicide by cutting and piercing instruments (E956)	461	353	108	330	101	23	7	17	3
Suicide by jumping from high place (E957)	625	443	182	366	158	77	24	53	20
Residential premises (E957.0)	250	167	83	136	72	31	11	20	7
Other manmade structures (E957.1)	276	205	71	176	63	29	8	25	8
Natural sites (E957.2)	19	14	5	11	4	3	1	-	1
Unspecified (E957.9)	80	57	23	43	19	14	4	6	4
Suicide by other and unspecified means (E958)	531	375	156	310	126	65	30	51	21
Jumping or lying before moving object (E958.0)	208	147	61	118	52	29	9	20	7
Burns, fire (E958.1)	155	98	57	78	41	20	16	16	9
Scald (E958.2)	-	-	-	-	-	-	-	-	-
Extremes of cold (E958.3)	3	1	2	1	2	-	-	-	-
Electrocution (E958.4)	20	13	7	13	4	-	3	-	3
Crashing of motor vehicle (E958.5)	50	43	7	39	6	4	1	4	1
Crashing of aircraft (E958.6)	3	3	-	3	-	-	-	-	-
Caustic substances, except poisoning (E958.7)	-	-	-	-	-	-	-	-	-
Other specified means (E958.8)	42	30	12	23	11	7	1	7	1
Unspecified means (E958.9)	50	40	10	35	10	5	-	4	-
Late effects of self-inflicted injury (E959)	8	6	2	5	2	1	-	1	-
Homicide (E960-E969)	21,784	16,472	5,312	7,837	3,085	8,635	2,247	8,239	2,088
Fight, brawl, rape (E960)	91	82	9	50	6	32	3	24	3
Unarmed fight or brawl (E960.0)	90	82	8	50	5	32	3	24	3
Rape (E960.1)	1	-	1	-	1	-	-	-	-
Assault by corrosive or caustic substance, except poisoning (E961)	1	-	1	-	-	-	1	-	1
Assault by poisoning (E962)	49	22	27	19	22	3	5	3	4
Drugs and medications (E962.0)	28	16	12	14	9	2	3	2	3
Other solid and liquid substances (E962.1)	3	1	2	-	2	1	-	1	-
Other gases and vapors (E962.2)	18	4	12	4	10	-	2	-	1
Unspecified poisoning (E962.9)	2	1	1	1	1	-	-	-	-
Assault by hanging and strangulation (E963)	928	286	642	188	379	98	263	87	242
Assault by submersion (drowning) (E964)	76	42	34	28	23	14	11	11	11
Assault by firearms and explosives (E965)	13,668	11,163	2,513	5,027	1,463	6,126	1,050	5,899	982
Handgun (E965.0)	1,056	813	242	415	163	398	79	390	68
Shotgun (E965.1)	1,138	919	217	484	133	435	84	413	77
Hunting rifle (E965.2)	241	188	53	137	43	51	10	45	8
Military firearms (E965.3)	-	-	-	-	-	-	-	-	-
Other and unspecified firearms (E965.4)	11,213	9,214	1,999	9,976	1,122	5,230	877	5,056	829
Antipersonnel bomb (E965.5)	-	-	-	-	-	-	-	-	-
Petrol bomb (E965.6)	1	1	-	-	-	1	-	1	-
Letter bomb (E965.7)	-	-	-	-	-	-	-	-	-
Other specified explosive (E965.8)	14	13	1	10	1	3	-	3	-
Unspecified explosive (E965.9)	6	5	1	3	1	2	-	2	-
Assault by cutting and piercing instrument (E966)	3,839	2,946	893	1,370	520	1,576	473	1,503	442
Child battering and other maltreatment (E967)	232	118	114	78	61	40	53	36	51
By parent (E967.0)	10	3	7	2	2	1	5	-	5
By other specified person (E967.1)	7	2	5	-	4	2	1	1	1
By unspecified person (E967.9)	215	113	102	76	55	37	47	35	45
Assault by other and unspecified means (E968)	2,728	1,761	967	1,053	588	708	361	638	345
Fire (E968.0)	277	159	118	81	53	78	65	70	57
Pushing from high place (E968.1)	25	17	8	7	6	10	2	9	1
Striking by blunt or thrown object (E968.2)	409	272	137	170	82	102	65	92	52
Hot liquid (E968.3)	14	8	6	1	2	7	4	7	4
Criminal neglect (E968.4)	16	6	10	3	4	3	6	3	5
Other specified means (E968.8)	941	635	306	387	199	248	107	213	95
Unspecified means (E968.9)	1,046	684	362	404	240	260	142	244	131
Late effects of injury purposely inflicted by other person (E969)	74	62	12	24	5	38	7	38	7
Legal intervention (E970-E978)	248	240	8	157	7	63	1	75	1
Injury due to legal intervention by firearms (E970)	232	225	7	148	6	77	1	69	1
Injury due to legal intervention by explosives (E971)	-	-	-	-	-	-	-	-	-
Injury due to legal intervention by gas (E972)	-	-	-	-	-	-	-	-	-
Injury due to legal intervention by blunt object (E973)	-	-	-	-	-	-	-	-	-
Injury due to legal intervention by cutting and piercing instruments (E974)	-	-	-	-	-	-	-	-	-
Injury due to legal intervention by other specified means (E975)	5	4	1	3	1	1	-	1	-









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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044 and their four-digit subcategories; see Technical Appendix.]

Cause of death	Number								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Injury resulting from operations of war-Con.									
Injury due to war operations by nuclear weapons (E996) .....	1	1	-	-	-	1	-	1	-
Injury due to war operations by other forms of unconventional warfare (E997) .....	1	1	-	1	-	-	-	-	-
Lasers (E997.0) .....	-	-	-	-	-	-	-	-	-
Biological warfare (E997.1) .....	-	-	-	-	-	-	-	-	-
Gases, fumes, and chemicals (E997.2) .....	-	-	-	-	-	-	-	-	-
Other (E997.8) .....	-	-	-	-	-	-	-	-	-
Unspecified (E997.9) .....	1	1	-	1	-	-	-	-	-
Injury due to war operations but occurring after cessation of hostilities (E998) .....	-	-	-	-	-	-	-	-	-
Late effects of injury due to war operations (E999) .....	13	13	-	12	-	1	-	1	-

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Table 1-23. Deaths and Death Rates for Each Cause, by Race and Sex: United States, 1988—Con.

[Rates per 100,000 population in specified group. Includes each three-digit category of the Detailed List to which deaths may be assigned and selected four-digit subcategories of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044 and their four-digit subcategories; see Technical Appendix ]

Cause of death	Rate								
	All races			White		All other			
	Both sexes	Male	Female	Male	Female	Total		Black	
						Male	Female	Male	Female
Injury resulting from operations of war-Con.									
Injury due to war operations by nuclear weapons (E898) .....	0.0	0.0	-	-	-	0.0	-	0.0	-
Injury due to war operations by other forms of unconventional warfare (E897) .....	.0	.0	-	0.0	-	-	-	-	-
Lasers (E897.0) .....	-	-	-	-	-	-	-	-	-
Biological warfare (E897.1) .....	-	-	-	-	-	-	-	-	-
Gases, fumes, and chemicals (E897.2) .....	-	-	-	-	-	-	-	-	-
Other (E897.8) .....	-	-	-	-	-	-	-	-	-
Unspecified (E897.9) .....	.0	.0	-	.0	-	-	-	-	-
Injury due to war operations but occurring after cessation of hostilities (E898) .....	-	-	-	-	-	-	-	-	-
Late effects of injury due to war operations (E899) .....	.0	.0	-	.0	-	.0	-	.0	-

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Table 1-24. Deaths From 282 Selected Causes, by Month: United States, 1988

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
All causes	2,167,989	200,610	191,548	197,995	176,251	176,806	168,085	172,193	171,470	166,201	179,476	175,196	192,164
<b>I. Infectious and parasitic diseases (001-139)</b>	<b>48,093</b>	<b>4,223</b>	<b>4,077</b>	<b>4,159</b>	<b>3,895</b>	<b>3,801</b>	<b>3,702</b>	<b>3,823</b>	<b>4,059</b>	<b>3,891</b>	<b>4,103</b>	<b>3,971</b>	<b>4,389</b>
<b>Intestinal infectious diseases (001-009)</b>	<b>391</b>	<b>36</b>	<b>38</b>	<b>26</b>	<b>33</b>	<b>30</b>	<b>36</b>	<b>38</b>	<b>38</b>	<b>27</b>	<b>35</b>	<b>21</b>	<b>35</b>
Cholera and typhoid and paratyphoid fevers (001-002)	-	-	-	-	-	-	-	-	-	-	-	-	-
Shigellosis (004)	8	-	-	2	-	-	-	2	-	-	-	1	3
Other salmonella infections and other food poisoning (bacterial) (003,005)	71	6	9	3	7	5	9	8	6	6	5	3	4
Amoebiasis (008)	7	-	-	1	2	-	1	-	-	1	1	1	-
Intestinal infections due to other specified organisms (007-008)	154	22	17	10	11	14	13	12	13	10	12	9	11
Ill-defined intestinal infections (009)	151	8	12	10	13	11	13	14	19	10	17	7	17
<b>Tuberculosis (010-016)</b>	<b>1,921</b>	<b>192</b>	<b>188</b>	<b>162</b>	<b>161</b>	<b>166</b>	<b>149</b>	<b>164</b>	<b>158</b>	<b>158</b>	<b>149</b>	<b>143</b>	<b>161</b>
Tuberculosis of respiratory system (010-012)	1,488	152	127	124	113	127	110	139	121	121	120	109	125
Other tuberculosis (013-016)	433	40	41	38	38	39	39	25	37	37	29	34	36
<b>Zoonotic and other bacterial diseases (020-041)</b>	<b>22,031</b>	<b>2,075</b>	<b>2,012</b>	<b>2,024</b>	<b>1,609</b>	<b>1,736</b>	<b>1,630</b>	<b>1,686</b>	<b>1,835</b>	<b>1,716</b>	<b>1,776</b>	<b>1,768</b>	<b>1,944</b>
Brucellosis (023)	2	-	-	-	1	1	-	-	-	-	-	-	-
Diphtheria (032)	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (033)	4	-	2	-	-	-	-	1	-	-	-	1	-
Streptococcal sore throat, scarlatina, and erysipelas (034-035)	13	5	1	-	1	1	-	1	-	1	1	2	-
Meningococcal infection (036)	278	39	49	32	35	23	19	15	11	11	17	19	14
Tetanus (037)	17	2	-	1	-	-	4	5	-	3	1	-	-
Septicemia (038)	20,925	1,957	1,897	1,920	1,710	1,656	1,546	1,589	1,754	1,636	1,701	1,711	1,848
All other bacterial diseases (020-022,024-031,039-041)	792	78	63	71	61	65	61	75	70	65	58	55	82
<b>Viral diseases (*042-*044,045-079)</b>	<b>19,443</b>	<b>1,566</b>	<b>1,494</b>	<b>1,623</b>	<b>1,529</b>	<b>1,516</b>	<b>1,556</b>	<b>1,597</b>	<b>1,680</b>	<b>1,605</b>	<b>1,779</b>	<b>1,645</b>	<b>1,853</b>
Acute poliomyelitis (045)	1	-	-	1	-	-	-	-	-	-	-	-	-
Smallpox (050)	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (055)	3	-	-	1	1	-	1	-	-	-	-	-	-
Rubella (056)	1	-	-	-	-	-	-	-	1	-	-	-	-
Arthropod-borne encephalitis (062-064)	-	-	-	-	-	-	-	-	-	-	-	-	-
Viral hepatitis (070)	1,290	122	105	102	103	109	92	100	87	101	127	121	121
Other viral diseases (*042-*044,046-049,051-054, 057-061,065-068,071-079)	18,148	1,444	1,389	1,519	1,425	1,407	1,463	1,497	1,592	1,504	1,652	1,524	1,732
<b>Rickettsioses and other arthropod-borne diseases (080-088)</b>	<b>32</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>7</b>	<b>8</b>	<b>3</b>	<b>4</b>	<b>-</b>	<b>2</b>	<b>3</b>	<b>2</b>
Typhus and other rickettsioses (080-083)	20	-	-	-	1	7	6	2	2	-	1	1	-
Malaria (084)	7	-	-	-	2	-	2	1	1	-	-	-	1
All other arthropod-borne diseases (085-088)	5	-	-	-	-	-	-	-	-	-	1	2	1
<b>Syphilis and other venereal diseases (090-099)</b>	<b>90</b>	<b>4</b>	<b>6</b>	<b>8</b>	<b>12</b>	<b>6</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>10</b>	<b>7</b>	<b>13</b>
Syphilis (090-097)	85	4	6	7	12	6	5	6	5	6	9	7	12
Cardiovascular syphilis (093)	15	3	1	-	1	-	-	-	-	-	-	-	4
Neurosyphilis (094)	40	-	3	4	5	4	3	2	3	2	4	4	6
All other syphilis (090-091,095-097)	30	1	2	3	4	2	2	1	2	1	5	3	2
Gonococcal infections (088)	3	-	-	1	-	-	1	-	-	-	-	-	1
Other venereal diseases (089)	2	-	-	-	-	-	-	-	1	-	1	-	-
<b>Other infectious and parasitic diseases and late effects of infectious and parasitic diseases (100-139)</b>	<b>4,185</b>	<b>350</b>	<b>359</b>	<b>316</b>	<b>358</b>	<b>340</b>	<b>317</b>	<b>331</b>	<b>338</b>	<b>378</b>	<b>352</b>	<b>364</b>	<b>381</b>
Mycoses (110-118)	2,205	181	195	174	189	171	161	173	179	210	206	187	179
Helminthiasis (120-128)	39	7	1	1	4	7	2	3	3	5	7	4	4
Late effects of tuberculosis (137)	225	25	22	14	13	25	18	28	17	13	17	18	15
Late effects of acute poliomyelitis (138)	136	13	19	10	13	12	20	11	3	8	4	8	15
All other infectious and parasitic diseases and late effects of other infectious and parasitic diseases (100-104,130-136,139)	1,580	124	122	117	139	125	116	116	137	145	125	146	168
<b>II. Neoplasms (140-239)</b>	<b>491,783</b>	<b>42,646</b>	<b>40,002</b>	<b>41,691</b>	<b>38,928</b>	<b>40,496</b>	<b>39,629</b>	<b>41,228</b>	<b>41,238</b>	<b>40,423</b>	<b>42,627</b>	<b>40,477</b>	<b>42,198</b>
<b>Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)</b>	<b>485,048</b>	<b>42,041</b>	<b>39,406</b>	<b>41,134</b>	<b>38,399</b>	<b>39,921</b>	<b>39,301</b>	<b>40,669</b>	<b>40,725</b>	<b>39,879</b>	<b>42,010</b>	<b>39,919</b>	<b>41,844</b>
Malignant neoplasms of lip, oral cavity, and pharynx (140-149)	6,199	728	704	738	687	642	656	688	658	678	712	630	699
Of lip (140)	98	12	9	5	14	8	8	8	8	10	10	3	7
Of tongue (141)	1,875	176	141	164	165	134	160	175	145	172	155	130	166
Of pharynx (146-149.0)	3,925	326	352	351	306	316	308	319	315	322	329	334	349
Of other and ill-defined sites within the lip, oral cavity, and pharynx (142-145,149.1-149.9)	2,301	212	202	218	182	184	182	188	193	174	218	183	187
Malignant neoplasms of digestive organs and peritoneum (150-159)	117,416	10,089	9,369	9,838	9,515	9,816	9,596	9,892	9,945	9,674	10,279	9,560	10,043
Of esophagus (150)	9,398	798	731	743	771	788	734	800	791	818	797	793	772
Of stomach (151)	13,676	1,144	1,080	1,167	1,098	1,144	1,067	1,169	1,162	1,232	1,232	1,121	1,167
Of small intestine, including duodenum (152)	884	89	80	79	62	58	68	68	89	71	81	77	75
Of colon (153)	48,199	4,256	3,854	4,124	3,843	4,063	3,983	3,990	4,060	3,905	4,195	3,862	4,054
Hepatic and splenic flexures and transverse colon (153.0-153.1,153.7)	302	25	28	21	28	32	23	28	27	27	20	19	24
Descending colon (153.2)	242	16	17	28	16	20	27	18	21	19	14	24	22
Sigmoid colon (153.3)	1,347	125	95	110	95	127	98	128	118	127	114	101	109
Cecum, appendix, and ascending colon (153.4-153.6)	1,965	171	162	162	167	173	152	161	172	138	178	181	188
Other and colon, unspecified (153.8-153.9)	44,343	3,919	3,552	3,803	3,537	3,711	3,693	3,855	3,722	3,594	3,869	3,557	3,731
Of rectum, rectosigmoid junction, and anus (154)	7,721	689	612	657	596	654	624	677	643	649	688	593	639
Of liver and intrahepatic bile ducts (155)	7,575	592	580	624	648	645	650	601	652	605	646	653	679
Liver, primary (155.0)	3,422	258	260	327	298	301	280	279	280	254	286	325	320
Intrahepatic bile ducts (155.1)	1,144	88	71	83	108	79	107	85	108	100	103	98	114
Liver, not specified as primary or secondary (155.2)	3,009	246	249	214	252	265	263	237	284	251	260	260	240
Of gallbladder and extrahepatic bile ducts (155)	3,953	351	288	299	319	339	332	307	342	327	384	358	326
Of pancreas (157)	23,846	1,976	1,959	1,979	1,987	1,944	1,947	1,900	2,001	1,891	2,082	1,822	2,160
Of retroperitoneum, peritoneum, and other ill-defined sites within the digestive organs and peritoneum (158-159)	2,224	184	185	166	191	181	181	183	225	183	184	180	181
<b>Malignant neoplasms of respiratory and intrathoracic organs (160-185)</b>	<b>138,253</b>	<b>12,083</b>	<b>11,302</b>	<b>11,631</b>	<b>10,886</b>	<b>11,425</b>	<b>11,082</b>	<b>11,598</b>	<b>11,545</b>	<b>11,367</b>	<b>11,935</b>	<b>11,541</b>	<b>11,858</b>
Of larynx (161)	3,667	325	308	296	292	324	259	301	322	270	328	340	304
Of trachea, bronchus, and lung (162)	133,284	11,646	10,898	11,231	10,490	11,001	10,714	11,159	11,118	10,975	11,518	11,097	11,447
Of all other and ill-defined sites within the respiratory system and intrathoracic organs (160,163-165)	1,302	112	108	104	104	100	109	138	105	122	89	104	107

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Table 1-24. Deaths From 282 Selected Causes, by Month: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Malignant neoplasms, etc.—Con.</b>													
Malignant neoplasms of bone, connective tissue, skin, and breast (170-175) .....	54,566	4,794	4,456	4,736	4,351	4,428	4,435	4,571	4,560	4,401	4,619	4,569	4,646
Of bone and articular cartilage (170) .....	1,059	76	79	93	82	80	95	94	88	84	105	98	87
Of connective and other soft tissue (171) .....	2,968	266	231	281	227	244	225	249	233	246	255	231	279
Melanoma of skin (172) .....	5,979	528	491	499	504	465	502	493	527	480	489	513	488
Other malignant neoplasms of skin (173) .....	2,101	179	191	168	177	162	175	189	179	156	174	159	182
Of female breast (174) .....	42,172	3,718	3,440	3,676	3,336	3,451	3,420	3,514	3,505	3,407	3,570	3,539	3,596
Of male breast (175) .....	289	27	24	19	25	26	18	22	30	29	28	29	14
Malignant neoplasms of genital organs (178-187) .....	53,353	4,618	4,364	4,477	4,171	4,345	4,249	4,523	4,434	4,351	4,638	4,484	4,701
Of cervix uteri (180) .....	4,449	391	349	359	356	377	330	381	391	382	378	368	407
Of other parts of uterus (179,181-182) .....	5,914	489	471	510	478	456	476	542	491	521	499	488	493
Of ovary and other uterine adnexa (183) .....	12,397	1,022	992	1,023	960	1,030	1,040	1,035	1,007	1,023	1,107	1,038	1,120
Of other and unspecified female genital organs (184) .....	1,039	107	82	86	74	88	88	83	84	79	86	89	86
Of prostate (185) .....	28,882	2,559	2,429	2,459	2,246	2,348	2,273	2,443	2,411	2,312	2,513	2,439	2,550
Of testis (186) .....	367	31	32	27	33	32	23	23	31	31	34	39	31
Of penis and other male genital organs (187) .....	211	19	9	19	24	14	19	16	19	23	12	23	14
Malignant neoplasms of urinary organs (188-189) .....	19,474	1,683	1,635	1,635	1,561	1,571	1,584	1,662	1,632	1,646	1,684	1,516	1,665
Of bladder (188) .....	9,805	839	856	766	814	807	761	800	813	837	867	773	832
Of kidney and other and unspecified urinary organs (189) .....	9,669	844	779	849	747	764	803	862	819	809	817	743	833
Malignant neoplasms of other and unspecified sites (180-189) .....	49,025	4,221	3,880	4,242	3,808	3,972	4,055	4,184	4,135	4,057	4,219	3,973	4,279
Of eye (180) .....	257	18	30	19	17	24	25	29	24	21	17	19	14
Of brain (181) .....	10,646	913	870	892	813	816	846	943	899	816	840	868	930
Of other and unspecified parts of nervous system (182) .....	297	25	27	30	24	18	23	20	21	24	36	22	27
Of thyroid gland and other endocrine glands and related structures (183-184) .....	1,667	132	159	154	118	142	140	131	150	133	139	139	130
Of all other and unspecified sites (185-189) .....	36,158	3,193	2,794	3,147	2,836	2,972	3,021	3,061	3,041	2,993	3,087	2,925	3,178
Malignant neoplasms of lymphatic and hematopoietic tissues (200-208) .....	44,762	3,825	3,686	3,839	3,440	3,722	3,644	3,751	3,815	3,705	3,925	3,646	3,783
Lymphosarcoma and reticulosarcoma (200) .....	2,465	220	203	201	191	201	210	217	222	186	208	198	208
Hodgkin's disease (201) .....	1,608	140	135	164	149	126	129	125	127	106	156	130	131
Other malignant neoplasms of lymphoid and histiocyte tissue (202) .....	14,794	1,182	1,206	1,254	1,118	1,273	1,221	1,248	1,282	1,282	1,301	1,183	1,244
Multiple myeloma and immunoproliferative neoplasms (203) .....	8,318	747	685	754	626	669	694	677	696	649	732	694	711
Leukemia (204-208) .....	17,577	1,536	1,467	1,478	1,356	1,459	1,400	1,484	1,488	1,482	1,529	1,441	1,459
Lymphoid leukemia (204) .....	5,015	447	412	408	393	416	379	432	423	435	443	410	417
Myeloid leukemia (205) .....	7,154	623	595	599	557	593	617	594	609	598	603	602	564
Monocytic leukemia (206) .....	288	21	21	21	25	22	13	20	15	21	23	32	27
Other and unspecified leukemia (207-208) .....	5,142	445	439	443	384	437	384	433	441	428	480	397	451
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	6,735	605	598	557	529	575	528	559	513	544	617	558	554
Benign neoplasms (210-229) .....	1,482	140	130	129	107	137	124	105	134	118	128	109	130
Of female genital organs (210-221) .....	45	2	2	3	7	4	2	9	4	2	2	5	4
Of eye, brain, and other parts of nervous system (224-225) .....	909	84	82	71	62	79	69	61	80	73	85	69	84
Of all other and unspecified sites (210-217,222-223,226-229) .....	528	54	46	46	38	54	53	38	40	43	41	35	42
Carcinoma in situ (230-234) .....	10	2	2	-	1	2	2	-	-	-	1	-	-
Of breast and genitourinary system (233) .....	4	1	-	-	-	1	1	-	-	-	1	-	-
Of all other and unspecified sites (230-232,234) .....	6	1	2	-	1	1	1	-	-	-	-	-	-
Neoplasms of uncertain behavior (235-238) .....	1,538	149	142	126	108	120	122	118	123	140	132	127	131
Neoplasms of unspecified nature (239) .....	3,705	314	322	311	313	316	280	336	256	288	356	322	283
<b>III. Endocrine, nutritional, and metabolic diseases and immunity disorders (240-278)</b>													
Endocrine and metabolic diseases and immunity disorders (240-259,270-278) .....	52,284	4,914	4,776	4,859	4,164	4,295	4,098	4,136	4,092	3,858	4,226	4,120	4,848
Disorders of thyroid gland (240-245) .....	730	76	69	61	68	84	59	54	48	44	54	48	65
Diabetes mellitus (250) .....	40,368	3,778	3,686	3,835	3,168	3,324	3,183	3,163	3,114	3,039	3,280	3,161	3,599
Disorders of the pituitary gland and its hypothalamic control (253) .....	165	27	13	18	9	17	10	20	17	13	15	13	13
Disorders of thymus gland (254) .....	7	1	1	1	1	-	-	-	-	-1	-	-	2
Disorders of adrenal glands (255) .....	232	17	25	27	21	16	20	17	19	17	19	11	23
Cystic fibrosis (277.0) .....	356	25	34	27	30	31	32	32	36	21	28	30	30
Obesity (278.0) .....	1,135	110	101	87	103	117	77	111	95	74	76	84	81
All other endocrine and metabolic diseases and immunity disorders (251-252,256-259,270-276,277.1-277.9, 278.1-278) .....	9,271	873	837	893	764	706	717	708	763	649	754	773	833
Nutritional deficiencies (280-289) .....	2,985	298	274	311	230	228	222	224	249	202	231	241	275
Nutritional marasmus (281) .....	286	26	32	31	21	21	22	18	21	22	26	28	28
Other protein-calorie malnutrition (282-283) .....	2,502	261	230	251	193	198	185	189	209	170	190	197	229
All other nutritional deficiencies (280,284-289) .....	187	11	12	29	16	9	15	17	19	10	15	16	18
<b>IV. Diseases of blood and blood-forming organs (280-289)</b>													
Anemias (280-285) .....	3,816	348	335	323	321	310	280	317	326	308	338	270	330
Deficiency anemias (280-281) .....	289	24	29	25	24	28	19	19	27	23	30	16	23
Hemolytic anemias (282-283) .....	698	69	68	68	57	52	58	70	51	44	57	48	55
Aplastic anemia (284) .....	1,302	126	93	103	123	114	87	94	116	125	113	94	112
Other and unspecified anemias (285) .....	1,528	129	144	129	118	126	134	132	114	132	118	110	140
Purpura and other hemorrhagic conditions (287) .....	709	67	60	67	58	59	61	49	68	61	39	50	70
All other diseases of blood and blood-forming organs (286,288-289) .....	3,780	358	302	319	314	295	285	303	317	311	319	337	329
<b>V. Mental disorders (290-319)</b>													
Senile and presenile organic psychotic conditions (290) .....	6,734	683	609	682	521	515	443	511	546	481	561	523	649
Alcoholic psychoses (291) .....	372	41	27	38	25	35	30	34	32	24	24	28	34
All other psychoses (292-299) .....	3,284	302	322	321	273	231	212	248	223	251	322	264	317
Alcohol dependence syndrome (303) .....	4,719	388	379	389	380	399	368	378	439	351	409	406	442
Drug dependence (304) .....	952	88	85	98	63	87	77	78	104	68	65	72	68

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Table 1-24. Deaths From 282 Selected Causes, by Month: United States, 1988-Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Other neurotic, personality, and nonpsychotic mental disorders (300-302,305-316)	7,572	745	718	716	631	582	546	617	567	561	640	574	677
Mental retardation (317-319)	366	42	38	46	39	30	21	33	34	22	22	23	36
<b>VI. Diseases of the nervous system and sense organs (320-389)</b>	<b>37,018</b>	<b>3,519</b>	<b>3,421</b>	<b>3,510</b>	<b>2,989</b>	<b>2,837</b>	<b>2,788</b>	<b>2,869</b>	<b>2,808</b>	<b>2,762</b>	<b>2,982</b>	<b>3,119</b>	<b>3,316</b>
Diseases of the nervous system (320-359)	36,921	3,509	3,414	3,500	2,977	2,931	2,775	2,881	2,802	2,758	2,979	3,109	3,308
Meningitis (320-322)	1,156	110	148	111	118	98	76	59	70	67	86	110	108
Parkinson's disease (332)	6,387	578	547	604	479	520	512	500	519	487	517	536	598
Other hereditary and degenerative diseases of the central nervous system (330-331,333-337)	16,366	1,634	1,727	1,794	1,476	1,447	1,339	1,394	1,372	1,332	1,449	1,550	1,672
Multiple sclerosis (340)	1,635	195	147	148	135	113	125	144	144	137	157	144	127
Infantile cerebral palsy (343)	659	69	65	58	51	43	57	57	58	41	51	65	60
Epilepsy (345)	1,619	194	155	131	128	121	121	157	139	138	132	131	134
Other diseases of the nervous system (323-326,341-342,344,346-359)	7,069	655	627	654	589	591	545	571	500	558	587	593	609
Disorders of the eye and adnexa (360-379)	27	3	1	4	5	2	2	1	2	1	-	4	2
Diseases of the ear and mastoid process (380-389)	70	7	6	6	7	4	9	7	4	3	3	6	8
<b>VII. Diseases of the circulatory system (390-459)</b>	<b>973,969</b>	<b>93,103</b>	<b>88,082</b>	<b>90,473</b>	<b>80,216</b>	<b>79,777</b>	<b>74,333</b>	<b>76,378</b>	<b>74,898</b>	<b>72,651</b>	<b>70,502</b>	<b>78,670</b>	<b>87,068</b>
Rheumatic fever and rheumatic heart disease (390-396)	6,421	623	613	581	558	549	496	459	518	459	530	505	530
Acute rheumatic fever (390-392)	76	5	7	3	11	7	11	2	5	4	8	4	9
Chronic rheumatic heart disease (393-396)	6,345	618	606	578	547	542	485	457	513	455	522	501	521
Diseases of mitral valve (394)	2,974	291	303	285	243	259	215	222	244	216	244	244	208
Diseases of aortic valve (395)	223	25	14	18	21	24	24	14	18	11	25	12	17
Diseases of mitral and aortic valves (396)	1,057	98	91	83	77	88	85	88	85	82	88	89	91
All other chronic rheumatic heart disease (393,397-398)	2,081	204	188	176	200	182	158	138	185	148	165	158	205
Hypertensive disease (401-404)	31,694	2,979	2,901	2,985	2,822	2,801	2,484	2,484	2,484	2,298	2,527	2,558	2,845
Essential hypertension (401)	4,287	397	389	389	343	358	355	338	345	322	371	342	377
Hypertensive heart disease (402)	20,788	1,985	1,896	1,938	1,713	1,688	1,608	1,634	1,681	1,502	1,617	1,701	1,885
Hypertensive renal disease (403)	4,169	373	383	424	370	358	302	317	285	299	341	320	387
Hypertensive heart and renal disease (404)	2,450	224	253	234	196	217	192	184	150	173	198	195	216
Ischemic heart disease (410-414)	509,582	48,928	45,538	47,317	42,327	42,088	39,018	39,353	38,896	37,864	41,780	41,229	45,467
Acute myocardial infarction (410)	247,950	23,698	21,708	22,635	20,710	20,768	18,981	18,031	18,798	18,287	20,843	20,305	22,200
Other acute and subacute forms of ischemic heart disease (411)	3,408	340	297	356	261	244	255	239	262	275	256	267	337
Angina pectoris (413)	1,021	105	117	80	82	66	80	78	73	95	74	81	90
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	257,213	24,785	23,417	24,246	21,274	21,008	19,702	20,006	19,755	18,007	20,607	20,576	22,830
Diseases of pulmonary circulation (415-417)	12,938	1,134	1,156	1,180	1,008	988	1,015	1,057	1,038	1,018	1,081	1,112	1,158
Other forms of heart disease (420-429)	212,989	20,261	19,588	19,763	17,147	17,233	16,150	16,705	16,723	16,004	17,097	17,084	19,234
Acute and subacute endocarditis (421)	982	72	85	88	85	77	81	60	83	85	81	78	79
Acute pericarditis, acute myocarditis, and other diseases of pericardium (420,422-423)	847	83	77	87	85	72	61	68	53	61	72	58	82
Other diseases of endocardium (424)	11,731	1,089	1,061	1,148	941	971	882	913	847	924	950	950	1,055
Mitral valve disorders (424.0)	1,801	154	164	184	137	136	149	139	130	156	144	133	175
Aortic valve disorders (424.1)	7,313	689	688	726	615	619	520	569	521	564	588	592	638
All other diseases of endocardium (424.2-424.9)	2,617	252	229	238	189	216	213	205	186	204	208	225	242
Heart failure (428)	42,940	4,095	4,006	4,165	3,593	3,522	3,250	3,261	3,056	3,268	3,491	3,331	3,902
Myocarditis, unspecified and myocardial degeneration (429.0-429.1)	1,445	139	124	171	122	113	102	108	108	110	119	105	126
All other and ill-defined forms of heart disease (425-427,429.2-429.9)	155,044	14,773	14,225	14,124	12,321	12,478	11,774	12,299	12,576	11,556	12,384	12,544	13,990
Cerebrovascular diseases (430-438)	150,517	14,452	13,735	14,027	12,428	12,250	11,406	11,472	11,214	11,400	12,440	12,124	13,589
Subarachnoid hemorrhage (430)	6,781	616	589	614	557	602	509	529	526	527	582	576	596
Intracerebral and other intracranial hemorrhage (431-432)	21,242	1,935	1,878	1,938	1,788	1,771	1,584	1,549	1,540	1,628	1,853	1,793	1,907
Occlusion and stenosis of precerebral arteries (433)	1,236	129	102	114	105	89	122	98	91	96	104	89	97
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9)	21,265	2,179	1,909	2,030	1,785	1,715	1,697	1,646	1,561	1,657	1,642	1,594	1,851
Cerebral embolism (434.1)	741	56	82	70	67	56	48	55	52	65	61	74	56
Acute but ill-defined cerebrovascular disease (436)	82,450	7,910	7,495	7,645	6,796	6,708	6,258	6,321	6,188	6,220	6,830	6,716	7,453
Other and late effects of cerebrovascular diseases (435,437-438)	16,802	1,681	1,616	1,632	1,309	1,194	1,194	1,280	1,245	1,208	1,388	1,292	1,540
Diseases of arteries, arterioles, and capillaries (440-448)	45,271	4,275	4,157	4,202	3,732	3,674	3,477	3,519	3,469	3,452	3,679	3,705	3,930
Atherosclerosis (440)	22,086	2,205	2,138	2,153	1,814	1,743	1,676	1,776	1,725	1,597	1,641	1,717	1,901
Aortic aneurysm (441)	15,719	1,398	1,360	1,416	1,316	1,323	1,184	1,106	1,154	1,239	1,414	1,404	1,405
All other diseases of arteries, arterioles, and capillaries (442-448)	7,466	672	659	633	602	608	617	637	590	616	624	584	624
Diseases of veins and lymphatics, and other diseases of circulatory system (451-459)	4,589	453	393	458	393	396	314	329	370	358	358	373	365
Phlebitis, thrombophlebitis, and venous embolism and thrombosis (451-453)	1,888	183	167	188	165	171	118	131	171	156	147	131	150
Other diseases of veins and lymphatics and all other diseases of circulatory system (454-459)	2,681	270	226	260	228	225	196	198	208	202	211	242	215
<b>VIII. Diseases of the respiratory system (460-519)</b>	<b>187,006</b>	<b>19,025</b>	<b>20,476</b>	<b>20,572</b>	<b>15,781</b>	<b>14,576</b>	<b>13,196</b>	<b>12,856</b>	<b>12,416</b>	<b>12,447</b>	<b>14,183</b>	<b>14,490</b>	<b>16,992</b>
Diseases of the upper respiratory tract (460-465,470-478)	634	66	94	83	54	50	40	30	34	37	40	49	57
Acute upper respiratory infections (460-465)	314	35	64	41	26	21	20	9	10	14	22	24	28
Other diseases of upper respiratory tract (470-478)	320	31	30	42	28	29	20	21	24	23	18	25	29
Other diseases of the respiratory system (466,480-519)	186,372	18,959	20,382	20,489	15,727	14,526	13,156	12,826	12,382	12,410	14,143	14,447	16,925
Acute bronchitis and bronchiolitis (466)	635	88	90	87	44	39	33	30	25	35	46	58	62
Pneumonia (480-486)	75,710	8,166	9,774	9,669	6,333	5,005	5,072	4,000	4,737	4,812	5,084	5,923	7,128
Viral pneumonia (480)	682	108	118	117	48	41	27	28	24	31	37	48	57
Pneumococcal and other bacterial pneumonia (481-482)	6,089	680	710	703	554	446	401	371	361	380	439	476	578
Bronchopneumonia, organism unspecified (485)	7,728	884	851	869	668	587	478	487	508	477	517	592	710
Pneumonia due to other and unspecified organism (483,486)	61,210	6,494	6,885	6,880	5,065	4,531	4,166	3,820	3,844	3,824	4,701	4,807	5,793
Influenza (487)	1,943	285	718	630	144	22	13	12	11	15	25	37	80
Chronic obstructive pulmonary diseases and allied conditions (490-496)	82,853	8,131	8,448	8,587	7,090	6,783	6,201	6,057	5,678	5,877	6,289	6,451	7,471
Bronchitis, chronic and unspecified, emphysema and asthma (490-493)	23,890	2,357	2,389	2,417	2,110	1,947	1,824	1,788	1,657	1,618	1,745	1,815	2,153
Bronchitis, not specified as acute or chronic (490)	657	87	91	71	51	60	32	32	29	40	50	44	70
Chronic bronchitis (401)	3,068	395	315	348	309	290	207	215	221	174	218	233	298
Emphysema (492)	15,513	1,512	1,546	1,572	1,384	1,266	1,211	1,150	1,076	1,092	1,124	1,200	1,380

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Table 1-24. Deaths From 282 Selected Causes, by Month: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Bronchitis, chronic and unspecified, emphysema and asthma-Con.													
Asthma (493)	4,597	423	437	431	372	391	374	401	331	312	352	338	485
Bronchiectasis and extrinsic allergic alveolitis (494-495)	901	105	80	84	63	79	69	80	53	63	69	80	76
Chronic airways obstruction, not elsewhere classified (496)	58,122	5,669	5,979	6,096	4,917	4,737	4,308	4,179	3,968	3,996	4,475	4,556	5,242
Pneumococcoses and other lung diseases due to external agents (500-508)	9,032	830	845	867	773	747	868	714	707	640	734	694	793
Empyema and abscess of lung and mediastinum (510,513)	1,050	94	84	102	79	77	82	79	85	90	88	88	92
Pleurisy (511)	880	81	79	63	79	82	68	71	64	67	77	70	69
All other diseases of respiratory system (512,514-519)	14,260	1,396	1,334	1,454	1,185	1,181	1,019	1,067	1,075	1,074	1,189	1,126	1,230
<b>IX. Diseases of the digestive system (520-579)</b>	<b>76,355</b>	<b>6,950</b>	<b>6,572</b>	<b>6,902</b>	<b>6,102</b>	<b>6,196</b>	<b>5,911</b>	<b>6,004</b>	<b>6,121</b>	<b>6,008</b>	<b>6,479</b>	<b>6,036</b>	<b>7,074</b>
Diseases of oral cavity, salivary glands, and jaws (520-529)	89	5	6	7	8	10	10	14	9	7	5	6	12
Diseases of other parts of the digestive system (530-579)	76,256	6,945	6,566	6,895	6,094	6,186	5,901	5,990	6,112	6,001	6,474	6,030	7,062
Ulcer of stomach and duodenum (531-533)	6,435	593	578	620	509	553	477	475	491	485	534	488	612
Gastric ulcer (531)	2,008	215	187	177	156	169	146	142	165	168	171	137	188
Duodenal ulcer (532)	2,177	186	186	217	174	189	159	163	180	159	166	177	221
Peptic ulcer, site unspecified (533)	2,249	192	185	226	179	185	172	180	156	170	197	184	203
Gastritis and duodenitis (535)	854	75	49	62	54	59	45	51	48	49	61	42	59
Appendicitis (540-543)	473	38	42	53	42	45	31	33	37	37	37	41	37
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	5,599	509	500	498	497	448	436	455	452	455	495	408	508
Regional enteritis and idiopathic proctocolitis (555-558)	687	59	55	58	45	43	58	46	70	67	67	60	59
All other noninfective gastroenteritis and colitis (557-558)	7,904	719	701	701	610	668	586	592	648	610	661	624	764
Diverticula of intestine (562)	3,910	270	233	279	217	241	248	244	257	247	285	247	264
Chronic liver disease and cirrhosis (571)	26,409	2,470	2,228	2,349	2,128	2,102	2,064	2,134	2,158	2,075	2,166	2,093	2,442
Chronic liver disease and cirrhosis, specified as alcoholic (571.0-571.3)	11,792	1,097	942	1,048	879	955	910	835	988	926	951	964	1,087
Chronic hepatitis and biliary cirrhosis (571.4,571.6)	1,205	94	88	128	85	106	97	88	86	96	107	101	109
Cirrhosis of liver and other and unspecified chronic liver disease without mention of alcohol (571.5,571.8-571.9)	13,412	1,279	1,188	1,173	1,054	1,041	1,057	1,111	1,084	1,053	1,089	1,028	1,246
Cholelithiasis and other disorders of gallbladder (574-575)	3,115	261	267	301	228	240	278	238	258	263	281	222	280
All other diseases of digestive system (530,534,536-537,564-570,572-573,576-579)	21,970	1,851	1,913	1,974	1,824	1,787	1,682	1,722	1,693	1,703	1,887	1,795	2,039
<b>X. Diseases of the genitourinary system (580-629)</b>	<b>40,654</b>	<b>3,854</b>	<b>3,691</b>	<b>3,795</b>	<b>3,303</b>	<b>3,215</b>	<b>3,043</b>	<b>3,116</b>	<b>3,209</b>	<b>3,133</b>	<b>3,279</b>	<b>3,340</b>	<b>3,676</b>
Diseases of urinary system (580-599)	39,648	3,766	3,600	3,707	3,216	3,141	2,969	3,040	3,195	3,051	3,180	3,257	3,586
Nephritis, nephrotic syndrome, and nephrosis (580-589)	22,302	2,075	2,057	2,147	1,861	1,818	1,682	1,663	1,725	1,795	1,765	1,831	2,053
Acute glomerulonephritis (580)	106	10	11	15	7	7	7	7	6	9	7	5	17
Nephrotic syndrome (581)	202	25	14	19	21	20	8	16	18	8	19	15	19
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-589,597)	1,521	135	142	135	109	139	115	126	116	104	125	132	147
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,599-599)	20,561	1,905	1,890	1,978	1,724	1,858	1,532	1,514	1,583	1,614	1,614	1,679	1,970
Infections of kidney (590)	1,610	168	145	137	140	140	116	106	150	130	122	114	142
Urinary calculus (592,594)	363	36	35	32	32	30	27	25	32	32	29	25	28
All other diseases of urinary system (591,593,595-599)	15,288	1,487	1,363	1,381	1,183	1,153	1,164	1,248	1,228	1,154	1,264	1,287	1,363
Diseases of male genital organs (600-609)	708	63	68	67	65	57	48	47	51	63	54	65	60
Hypertasia of prostate (600)	454	47	44	41	35	40	34	27	36	35	35	44	36
Other diseases of male genital organs (601-608)	254	16	24	26	30	17	14	20	15	28	19	21	24
Disorders of breast (610-611)	35	2	3	2	3	2	3	4	1	4	7	1	3
Diseases of female genital organs except breast (614-629)	263	23	20	19	19	15	23	25	22	15	38	17	27
<b>XI. Complications of pregnancy, childbirth, and the puerperium (630-676)</b>	<b>330</b>	<b>27</b>	<b>22</b>	<b>24</b>	<b>22</b>	<b>32</b>	<b>32</b>	<b>22</b>	<b>41</b>	<b>27</b>	<b>26</b>	<b>29</b>	<b>26</b>
Pregnancy with abortive outcome (630-638)	61	8	3	3	1	7	6	1	9	5	2	7	9
Ectopic pregnancy (633)	44	7	3	2	1	6	4	1	6	3	2	5	4
Spontaneous abortion (634)	3	-	-	-	-	1	-	-	-	-	-	1	1
Legally induced abortion (635)	5	-	-	-	-	-	1	-	1	-	-	1	2
Illegally induced abortion (636)	-	-	-	-	-	-	-	-	-	-	-	-	-
Other pregnancy with abortive outcome (630-632,637-638)	9	1	-	1	-	-	1	-	2	2	-	-	2
Direct obstetric causes (640-646,651-676)	252	19	18	20	21	21	24	20	31	19	23	20	16
Hemorrhage of pregnancy and childbirth (640-641,666)	35	2	3	2	3	6	3	1	6	2	4	1	2
Toxemia of pregnancy (642.4-642.9,643)	58	2	3	3	7	6	7	5	5	5	6	4	5
Obstructed labor (660)	-	-	-	-	-	-	-	-	-	-	-	-	-
Complications of the puerperium (670-676)	110	11	10	10	8	7	11	13	13	6	9	9	5
Other direct obstetric causes (642.0-642.3,644-646,651-659,661-665,667-669)	49	4	2	5	5	2	3	1	7	6	4	6	4
Indirect obstetric causes (647-648)	16	-	1	1	-	4	2	1	1	2	1	2	1
Delivery in a completely normal case (650)	1	-	-	-	-	-	-	-	-	1	-	-	-
<b>XII. Diseases of the skin and subcutaneous tissue (680-709)</b>	<b>3,830</b>	<b>355</b>	<b>358</b>	<b>356</b>	<b>316</b>	<b>316</b>	<b>280</b>	<b>288</b>	<b>324</b>	<b>281</b>	<b>303</b>	<b>286</b>	<b>348</b>
Infections of skin and subcutaneous tissue (680-686)	791	70	68	76	64	60	51	59	78	82	65	59	81
All other diseases of skin and subcutaneous tissue (690-708)	3,039	285	290	280	252	256	229	240	246	219	238	227	267
<b>XIII. Diseases of the musculoskeletal system and connective tissue (710-739)</b>	<b>6,863</b>	<b>625</b>	<b>622</b>	<b>619</b>	<b>553</b>	<b>549</b>	<b>536</b>	<b>548</b>	<b>523</b>	<b>543</b>	<b>578</b>	<b>537</b>	<b>629</b>
Rheumatoid arthritis and other inflammatory polyarthropathies (714)	1,534	136	153	129	118	121	105	126	118	126	131	139	132
Other arthropathies and related disorders (710-712,715-718)	3,216	289	281	269	265	261	260	251	259	257	264	248	292
Dorsopathies (720-724)	207	14	17	17	17	24	18	22	10	15	22	12	19
Rheumatism, excluding the back (725-728)	443	37	35	37	43	35	39	34	28	32	39	35	46
Osteopathies, chondropathies, and acquired musculoskeletal deformities (730-739)	1,463	149	138	147	110	108	114	115	107	113	123	103	188

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Table 1-24. Deaths From 282 Selected Causes, by Month: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
XIV. Congenital anomalies (740-759) .....	12,753	1,139	988	1,083	1,030	1,059	1,050	1,089	1,075	1,018	1,111	1,018	1,083
Spina bifida (741) .....	167	10	16	20	13	10	16	15	16	14	10	14	13
All other congenital anomalies of nervous system (740,742) ...	1,551	140	135	128	130	139	118	133	133	114	122	122	137
Congenital anomalies of heart (745-746) .....	4,570	421	355	381	335	390	396	417	388	346	402	353	398
Other congenital anomalies of circulatory system (747) .....	1,249	109	102	110	105	116	82	103	114	89	109	89	112
All other congenital anomalies (743-744,748-759) .....	5,216	459	380	444	447	404	438	421	426	455	468	431	443
XV. Certain conditions originating in the perinatal period (760-779) .....	18,220	1,385	1,352	1,535	1,473	1,629	1,523	1,619	1,552	1,588	1,528	1,535	1,505
Birth trauma (767) .....	228	19	21	25	19	22	27	15	19	18	13	16	12
Intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (768-769) .....	3,696	331	324	333	337	349	325	338	289	370	314	347	339
Other conditions originating in the perinatal period (760-766,770-779) .....	13,898	1,035	1,007	1,177	1,117	1,258	1,171	1,268	1,244	1,198	1,199	1,172	1,164
XVI. Symptoms, signs, and ill-defined conditions (780-799) .....	30,851	3,063	2,824	2,674	2,466	2,371	2,222	2,348	2,414	2,313	2,578	2,627	3,051
Senility without mention of psychosis (797) .....	1,414	136	147	147	113	112	84	85	115	104	116	107	138
Symptoms, signs, and other ill-defined conditions (780-786,798-799) .....	29,537	2,927	2,677	2,627	2,363	2,259	2,138	2,253	2,299	2,209	2,462	2,520	2,913
Supplementary classification of external causes of injury and poisoning (E800-E999) .....	152,572	12,412	11,140	12,333	12,158	12,786	12,888	14,070	13,995	12,622	13,003	12,149	12,916
Accidents and adverse effects (E900-E949) .....	97,100	7,788	6,839	7,646	7,579	8,139	8,442	9,127	8,955	7,861	8,390	7,744	8,480
Transport accidents (E900-E949) .....	51,855	3,565	3,290	3,792	4,068	4,513	4,608	4,911	4,957	4,628	4,801	4,197	4,626
Railway accidents (E900-E907) .....	571	43	31	48	50	63	52	52	43	61	49	40	49
Motor vehicle accidents (E810-E825) .....	49,078	3,382	3,129	3,695	3,808	4,220	4,319	4,639	4,683	4,345	4,567	4,005	4,386
Motor vehicle traffic accidents (E810-E819) .....	48,024	3,284	3,057	3,516	3,719	4,120	4,230	4,550	4,584	4,248	4,480	3,930	4,307
Involving collision with train (E810) .....	638	51	67	53	44	43	54	56	47	52	60	54	57
Involving collision with another motor vehicle (E811-E812) .....	18,333	1,283	1,242	1,390	1,420	1,573	1,612	1,702	1,744	1,507	1,713	1,479	1,688
Involving collision with pedestrian (E814) .....	7,193	623	496	531	519	544	510	598	641	636	738	635	722
Involving collision with other vehicle or object (E819,E915) .....	7,584	485	448	499	630	705	678	789	880	733	883	605	659
Not involving collision on highway (E810-E819) .....	9,128	501	475	679	810	857	878	878	848	887	808	673	696
Motor vehicle traffic accident of unspecified nature (E819) .....	5,148	361	329	363	395	398	460	448	514	433	480	484	485
Motor vehicle nontraffic accidents (E820-E825) .....	1,054	98	72	80	89	100	89	89	99	87	87	75	79
Other road vehicle accidents (E826-E828) .....	191	9	5	9	14	19	16	25	23	37	21	7	8
Water transport accidents (E830-E839) .....	979	49	37	72	108	129	137	107	117	85	52	65	33
Air and space transport accidents (E840-E845) .....	1,012	78	87	68	89	91	79	87	80	97	110	88	50
Vehicle accidents not elsewhere classifiable (E846-E849) ..	24	6	1	1	1	5	1	5	1	3	2	2	1
Accidental poisoning (E850-E869) .....	6,226	562	465	546	523	467	466	559	523	504	528	497	588
Accidental poisoning by drugs, medicaments, and biologicals (E850-E858) .....	4,865	377	332	404	436	395	379	477	455	430	411	371	398
Accidental poisoning by other solid or liquid substances (E860-E866) .....	488	47	41	44	39	36	32	38	33	34	38	51	55
Accidental poisoning by gases and vapors (E867-E869) .....	873	138	92	98	48	36	55	46	35	40	78	75	134
Misadventures during medical care, abnormal reactions, and late complications (E870-E879) .....	2,858	244	233	262	270	227	209	249	225	217	242	209	272
Accidental falls (E880-E899) .....	12,086	1,146	1,001	1,093	945	973	958	958	982	984	1,011	982	1,055
Fall from one level to another (E880-E884) .....	3,317	265	219	293	247	285	300	303	278	286	305	270	266
Fall on same level (E885-E886) .....	433	74	57	48	37	31	26	34	24	23	23	19	37
Fracture, cause unspecified, and other and unspecified falls (E887-E888) .....	8,346	807	725	752	661	657	632	619	690	675	683	693	752
Accidents caused by fire and flames (E890-E899) .....	4,965	735	549	547	386	341	275	252	213	238	362	443	628
Other accidents, including late effects (E900-E929) .....	18,920	1,533	1,277	1,388	1,372	1,606	1,912	2,184	2,108	1,378	1,437	1,400	1,405
Lightning (E907) .....	82	-	-	-	3	12	17	27	16	3	1	3	-
Accidental drowning and submersion (E910) .....	4,189	155	167	215	280	453	698	837	609	284	210	186	125
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	3,805	368	318	342	306	295	323	302	287	274	302	334	359
Accident caused by handgun (E922.0) .....	202	15	11	15	13	14	16	17	20	19	21	21	20
Accidents caused by all other and unspecified firearms (E922.1-E922.9) .....	1,289	98	98	98	95	86	106	80	113	82	130	163	142
Accident caused by explosive material (E923) .....	193	10	8	15	19	24	10	22	10	20	20	16	19
Accident caused by hot substance or object, caustic or corrosive material, steam, and exposure to radiation (E924,E926) .....	122	18	14	16	10	14	5	1	8	11	8	10	7
Accident caused by electric current (E925) .....	714	24	24	35	54	62	71	126	110	70	63	36	39
All other accidents and late effects of accidental injury (E900-E906,E908-E909, E913-E921,E927-E929) .....	8,304	845	844	852	892	848	666	782	855	615	682	651	694
Drugs, medicaments, and biological substances causing adverse effects in therapeutic use (E930-E949) .....	180	13	24	18	15	12	14	17	17	14	11	16	9
Suicide (E950-E959) .....	30,407	2,532	2,458	2,678	2,610	2,641	2,544	2,661	2,642	2,451	2,500	2,388	2,322
Suicide by drugs, medicaments, and biologicals (E950.0-E950.5) .....	2,910	223	226	288	251	276	245	270	249	223	256	219	208
Suicide by other solid or liquid substances (E950.6-E950.8) .....	223	12	15	24	22	19	27	19	18	22	19	11	15
Suicide by gases and vapors (E951-E952) .....	2,692	212	239	278	244	218	228	198	216	233	211	232	189
Suicide by hanging, strangulation, and suffocation (E953) .....	4,375	394	330	356	348	377	365	383	411	361	399	323	317
Suicide by handgun (E955.0) .....	3,197	249	282	270	289	273	280	258	282	282	290	280	260
Suicide by all other and unspecified firearms (E955.1-E955.4) .....	14,972	1,315	1,201	1,285	1,270	1,288	1,244	1,333	1,300	1,178	1,164	1,182	1,204
Suicide by all other means and late effects of self-inflicted injury (E954,E955.5-E959) .....	2,038	127	185	197	205	182	177	194	182	154	159	147	129
Homicide and legal intervention (E960-E979) .....	22,092	1,861	1,601	1,723	1,704	1,763	1,750	1,897	2,097	1,957	1,885	1,795	1,899
Assault by handgun (E965.0) .....	1,055	74	72	85	92	82	83	103	89	96	82	76	111

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Table 1-24. Deaths From 282 Selected Causes, by Month: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Homicide and legal intervention—Con.</b>													
Assault by all other and unspecified firearms (E985.1-E985.4)	12,590	1,044	904	965	939	975	853	1,129	1,224	1,165	1,083	1,089	1,160
Assault by cutting and piercing instrument (E966)	3,939	363	303	308	319	324	362	351	339	321	360	295	294
Assault by all other means and late effects of injury purposely inflicted by other person (E960-E964,E965.5-E965.9,E967-E969)	4,200	362	305	341	329	348	334	400	431	350	362	330	308
Legal execution (E979)	11	1	-	2	2	-	2	1	-	-	-	2	1
Other legal intervention and late effects of injury due to legal intervention (E970-E977)	237	17	17	22	23	24	16	13	14	25	18	23	25
Injury undetermined whether accidentally or purposely inflicted (E980-E989)	3,018	220	242	283	264	242	251	284	289	252	227	242	212
From poisoning by drugs, medications, and biologicals (E980.0-E980.5)	1,228	93	113	124	98	99	101	121	122	89	85	100	83
From poisoning by other solid or liquid substances (E980.6-E980.9)	57	8	4	11	4	2	5	4	4	3	4	5	3
From injury by handgun (E985.0)	58	6	3	6	6	8	5	4	3	4	6	2	6
From injury by all other and unspecified firearms (E985.1-E985.4)	384	33	33	37	29	32	22	37	37	30	25	37	32
From injury by all other means and late effects of injury, undetermined whether accidentally or purposely inflicted (E981-E984,E985.5-E989)	1,291	80	89	105	127	101	118	118	133	128	107	88	89
Injury resulting from operations of war (E990-E999)	15	1	-	3	1	1	1	1	2	1	1	-	3



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Table 1-25. Deaths From 282 Selected Causes, by Specified Race or National Origin and Sex: United States, 1988

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	All races			White			Black			American Indian &		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All causes	2,167,999	1,125,540	1,042,459	1,876,906	965,419	911,487	264,019	144,228	118,791	7,917	4,617	3,300
I. Infectious and parasitic diseases (001-139)	48,093	29,922	18,171	36,171	22,207	13,964	11,211	7,263	3,948	193	101	92
Intestinal infectious diseases (001-009)	391	175	216	300	127	173	76	39	37	8	5	3
Cholera and typhoid and paratyphoid fevers (001-002)	-	-	-	-	-	-	-	-	-	-	-	-
Shigellosis (004)	8	3	5	4	1	3	1	-	1	2	2	-
Other salmonella infections and other food poisoning (bacterial) (003,005)	71	37	34	53	26	27	17	10	7	1	1	-
Amebiasis (008)	7	2	5	4	1	3	1	-	1	1	-	1
Intestinal infections due to other specified organisms (007-008)	154	63	91	137	56	81	14	6	8	2	1	1
Ill-defined intestinal infections (009)	151	70	81	102	43	59	43	23	20	2	1	1
Tuberculosis (010-018)	1,921	1,221	700	1,172	730	442	641	422	219	30	19	11
Tuberculosis of respiratory system (010-012)	1,488	986	502	957	611	346	454	319	135	21	13	8
Other tuberculosis (013-018)	433	235	198	215	119	96	187	103	84	9	6	3
Zoonotic and other bacterial diseases (020-041)	22,031	9,745	12,286	17,837	7,761	10,076	3,929	1,840	2,089	88	37	51
Brucellosis (023)	2	1	1	2	1	1	-	-	-	-	-	-
Diphtheria (022)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (033)	4	2	2	3	2	1	1	-	1	-	-	-
Streptococcal sore throat, scarlatina, and erysipelas (034-035)	13	6	7	12	6	6	-	-	1	-	-	-
Meningococcal infection (036)	278	143	135	198	102	96	71	37	34	-	-	-
Tetanus (037)	17	10	7	15	10	5	2	-	2	-	-	-
Septicemia (038)	20,825	9,132	11,793	16,943	7,270	9,673	3,740	1,729	2,011	85	35	50
All other bacterial diseases (020-022,024-031,039-041)	792	451	341	664	370	294	114	74	40	3	2	1
Viral diseases (*042-*044,045-079)	19,443	16,367	3,076	13,684	11,815	1,869	5,518	4,384	1,154	42	31	11
Acute poliomyelitis (045)	1	1	-	1	1	-	-	-	-	-	-	-
Smallpox (050)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (055)	3	-	2	3	1	2	-	-	-	-	-	-
Rubella (056)	1	-	1	1	-	1	-	-	-	-	-	-
Arthropod-borne encephalitis (062-064)	-	-	-	-	-	-	-	-	-	-	-	-
Viral hepatitis (070)	1,290	768	522	1,056	647	409	162	79	83	5	2	3
Other viral diseases (*042-*044,046-049,051-054,057-061,065-066,071-079)	18,148	15,597	2,551	12,623	11,166	1,457	5,358	4,285	1,071	37	29	8
Rickettsioses and other arthropod-borne diseases (080-088)	32	19	13	29	18	11	2	1	1	-	-	-
Typhus and other rickettsioses (080-083)	20	14	6	18	13	5	2	1	1	-	-	-
Malaria (084)	7	3	4	6	3	3	-	-	-	-	-	-
All other arthropod-borne diseases (085-088)	5	2	3	5	2	3	-	-	-	-	-	-
Syphilis and other venereal diseases (090-099)	90	53	37	42	26	16	48	27	21	-	-	-
Syphilis (090-097)	85	51	34	40	25	15	45	26	19	-	-	-
Cardiovascular syphilis (093)	15	10	5	6	5	1	9	5	4	-	-	-
Neurosyphilis (094)	40	27	13	22	15	7	18	12	6	-	-	-
All other syphilis (090-091,095-097)	30	14	16	12	5	7	18	9	9	-	-	-
Gonococcal infections (098)	3	-	3	1	-	1	2	-	2	-	-	-
Other venereal diseases (099)	2	2	-	1	1	-	1	1	-	-	-	-
Other infectious and parasitic diseases and late effects of infectious and parasitic diseases (100-139)	4,185	2,342	1,843	3,107	1,730	1,377	997	570	427	25	9	16
Mycoses (110-118)	2,205	1,242	963	1,742	972	770	412	242	170	19	9	10
Helminthiasis (120-129)	39	27	12	39	23	10	2	1	1	-	-	-
Late effects of tuberculosis (137)	225	100	125	190	79	111	25	16	9	3	-	3
Late effects of acute poliomyelitis (138)	136	65	71	127	59	68	9	6	3	-	-	-
All other infectious and parasitic diseases and late effects of other infectious and parasitic diseases (100-104,130-136,139)	1,580	908	672	1,015	597	418	549	305	244	3	-	3
II. Neoplasms (140-239)	491,783	261,100	230,683	431,010	227,153	203,857	54,752	30,651	24,101	1,187	601	566
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	485,048	258,088	226,960	425,140	224,514	200,626	53,968	30,321	23,647	1,151	594	557
Malignant neoplasms of lip, oral cavity, and pharynx (140-149)	8,199	5,497	2,702	6,816	4,462	2,354	1,242	939	303	28	16	12
Of lip (140)	98	72	26	84	71	23	4	1	3	-	-	-
Of tongue (141)	1,875	1,222	653	1,600	1,015	585	257	198	59	2	1	1
Of pharynx (146-149.0)	3,925	2,801	1,124	3,139	2,187	952	686	540	146	14	9	5
Of other and ill-defined sites within the lip, oral cavity, and pharynx (142-145,149.1-149.9)	2,301	1,402	899	1,983	1,189	794	285	200	95	12	6	6
Malignant neoplasms of digestive organs and peritoneum (150-159)	117,416	61,875	55,541	101,206	52,903	48,303	14,141	7,732	6,409	302	158	144
Of esophagus (150)	9,336	6,916	2,420	7,182	5,260	1,922	2,050	1,580	470	22	14	8
Of stomach (151)	13,676	8,105	5,571	11,085	6,499	4,586	2,118	1,316	802	48	30	18
Of small intestine, including duodenum (152)	884	461	423	775	398	377	100	57	43	2	1	1
Of colon (153)	48,199	23,460	24,739	42,834	20,956	21,878	4,867	2,235	2,632	81	34	47
Hepatic and splenic flexures and transverse colon (153.0-153.1,153.7)	302	144	158	275	124	151	26	19	7	1	1	-
Descending colon (153.2)	242	109	133	209	95	114	27	12	15	1	1	-
Sigmoid colon (153.3)	1,347	640	707	1,220	582	638	101	43	58	1	-	1
Cecum, appendix, and ascending colon (153.4-153.6)	1,965	849	1,116	1,758	766	992	181	70	111	5	1	4
Other and colon, unspecified (153.8-153.9)	44,343	21,718	22,625	39,372	19,389	19,983	4,532	2,091	2,441	73	31	42
Of rectum, rectosigmoid junction, and anus (154)	7,721	4,124	3,597	6,892	3,678	3,214	711	370	341	19	12	7
Of liver and intrahepatic bile ducts (155)	7,575	4,621	2,954	6,205	3,715	2,490	962	606	356	48	26	22
Liver, primary (155.0)	3,422	2,389	1,033	2,670	1,841	829	473	331	142	22	12	10
Intrahepatic bile ducts (155.1)	1,144	550	594	1,016	485	531	89	45	44	8	1	7
Liver, not specified as primary or secondary (155.2)	3,009	1,682	1,327	2,519	1,389	1,130	400	230	170	18	13	5
Of gallbladder and extrahepatic bile ducts (156)	3,953	1,432	2,521	3,529	1,284	2,245	322	114	208	23	4	19
Of pancreas (157)	23,848	11,722	12,126	20,679	10,188	10,491	2,824	1,355	1,469	55	34	21
Of retroperitoneum, peritoneum, and other and ill-defined sites within the digestive organs and peritoneum (158-159)	2,224	1,034	1,190	2,025	925	1,100	187	99	88	4	3	1
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	138,253	91,873	46,380	121,941	80,166	41,775	14,938	10,784	4,154	318	205	113
Of larynx (161)	3,667	2,965	702	2,975	2,370	605	664	571	93	5	4	1
Of trachea, bronchus, and lung (162)	133,284	88,059	45,225	117,826	77,083	40,783	14,131	10,112	4,019	308	197	111
Of all other and ill-defined sites within the respiratory system and intrathoracic organs (160,163-165)	1,302	849	453	1,140	733	407	143	101	42	5	4	1

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Table 1-25. Deaths From 282 Selected Causes, by Specified Race or National Origin and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	Chinese			Japanese			Filipino			Other Asian or Pacific Islander †			Other		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All causes	4,958	2,968	1,990	3,855	1,942	1,713	3,667	2,481	1,188	6,683	3,764	2,919	194	121	73
I. Infectious and parasitic diseases (001-139)	130	92	38	74	49	25	108	78	30	198	124	74	8	8	-
Intestinal infectious diseases (001-006)	1	1	-	-	-	-	2	1	1	4	2	2	-	-	-
Cholera and typhoid and paratyphoid fevers (001-002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shigellosis (004)	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Other salmonella infections and other food poisoning (bacterial) (003,005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amoebiasis (006)	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Intestinal infections due to other specified organisms (007-008)	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-
Ill-defined intestinal infections (009)	1	1	-	-	-	-	1	1	1	2	1	1	-	-	-
Tuberculosis (010-018)	23	17	6	12	5	7	18	11	7	24	16	8	1	1	-
Tuberculosis of respiratory system (010-012)	18	16	3	8	4	4	11	8	3	17	14	3	1	1	-
Other tuberculosis (013-018)	4	1	3	4	1	3	7	3	4	7	2	5	-	-	-
Zoonotic and other bacterial diseases (020-041)	39	25	14	32	21	11	38	27	11	67	33	34	1	1	-
Brucellosis (023)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (032)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (033)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcal sore throat, scarlatina, and erysipelas (034-035)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	2	1	1	-	-	-	-	-	-	7	3	4	-	-	-
Tetanus (037)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Septicemia (038)	35	23	12	31	21	10	34	26	8	56	27	29	1	1	-
All other bacterial diseases (020-022,024-031,039-041)	2	1	1	1	-	1	4	1	3	4	3	1	-	-	-
Viral diseases (*042-*044,045-079)	52	45	7	22	18	4	41	32	9	78	57	22	5	5	-
Acute poliomyelitis (045)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (050)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arthropod-borne encephalitis (062-064)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Viral hepatitis (070)	20	14	6	6	4	2	5	2	3	36	20	16	-	-	-
Other viral diseases (*042-*044,046-049,051-054,057-061,065-066,071-079)	32	31	1	16	14	2	36	30	6	43	37	6	5	5	-
Rickettsias and other arthropod-borne diseases (080-088)	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Typhus and other rickettsias (080-083)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (084)	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
All other arthropod-borne diseases (085-088)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and other venereal diseases (090-099)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis (090-097)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cardiovascular syphilis (093)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neurosyphilis (094)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other syphilis (090-091,095-097)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gonococcal infections (098)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other venereal diseases (099)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infectious and parasitic diseases and late effects of infectious and parasitic diseases (100-139)	15	4	11	8	5	3	9	7	2	23	16	7	1	1	-
Mycoses (110-118)	7	1	6	5	4	1	7	6	1	12	7	5	1	1	-
Helminthiasis (120-129)	2	1	1	-	-	-	-	-	-	2	2	-	-	-	-
Late effects of tuberculosis (137)	1	1	-	-	-	-	1	1	-	5	3	2	-	-	-
Late effects of acute poliomyelitis (138)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other infectious and parasitic diseases and late effects of other infectious and parasitic diseases (100-104,130-136,139)	5	1	4	3	1	2	1	-	1	4	4	-	-	-	-
II. Neoplasms (140-239)	1,407	822	585	1,024	531	493	814	498	316	1,573	823	750	36	21	15
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-200)	1,388	811	577	1,012	524	488	802	493	309	1,552	811	741	35	20	15
Malignant neoplasms of lip, oral cavity, and pharynx (140-149)	53	43	10	9	6	3	24	16	8	27	15	12	-	-	-
Of lip (140)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Of tongue (141)	4	3	1	3	1	2	5	2	3	4	2	2	-	-	-
Of pharynx (148-149.0)	47	38	9	4	3	1	14	12	2	21	12	9	-	-	-
Of other and ill-defined sites within the lip, oral cavity, and pharynx (142-145,149.1-149.9)	2	2	-	2	2	-	5	2	3	2	1	1	-	-	-
Malignant neoplasms of digestive organs and peritoneum (150-159)	519	342	177	453	247	206	245	161	84	539	325	214	11	7	4
Of esophagus (150)	24	23	1	23	13	10	9	7	2	26	19	7	-	-	-
Of stomach (151)	98	67	31	130	79	51	39	24	15	157	89	68	1	1	-
Of small intestine, including duodenum (152)	2	1	1	1	-	1	3	3	-	1	1	-	-	-	-
Of colon (153)	135	73	62	127	68	59	69	47	22	84	45	39	2	2	-
Hepatic and splenic flexures and transverse colon (153.0-153.1,153.7)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Descending colon (153.2)	2	-	2	2	-	2	1	1	-	-	-	-	-	-	-
Sigmoid colon (153.3)	4	4	-	11	6	5	6	3	3	4	2	2	-	-	-
Cecum, appendix, and ascending colon (153.4-153.6)	9	4	5	9	6	3	2	2	-	1	-	1	-	-	-
Other and colon, unspecified (153.8-153.9)	120	65	55	105	56	49	60	41	19	79	43	36	2	2	-
Of rectum, rectosigmoid junction, and anus (154)	22	14	8	26	18	8	23	18	9	26	16	10	2	2	-
Of liver and intrahepatic bile ducts (155)	126	107	19	46	26	20	44	39	11	141	107	34	3	1	2
Liver, primary (155.0)	92	81	11	33	20	13	32	25	7	100	79	21	-	-	-
Intrahepatic bile ducts (155.1)	10	8	2	6	3	3	-	-	-	14	8	6	1	-	1
Liver, not specified as primary or secondary (155.2)	24	18	6	7	3	4	12	8	4	27	20	7	2	1	1
Of gallbladder and extrahepatic bile ducts (156)	25	13	12	14	4	10	10	4	6	28	9	19	2	-	2
Of pancreas (157)	83	40	43	85	39	46	47	28	19	74	37	37	1	1	-
Of retroperitoneum, peritoneum, and other and ill-defined sites within the digestive organs and peritoneum (158-159)	4	4	-	1	-	1	1	-	-	2	2	-	-	-	-
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	326	223	103	197	132	65	184	198	46	341	219	122	8	8	2
Of larynx (161)	6	5	1	4	4	-	3	2	1	10	9	1	-	-	-
Of trachea, bronchus, and lung (162)	313	211	102	191	127	64	178	194	44	329	209	120	8	6	2
Of all other and ill-defined sites within the respiratory system and intrathoracic organs (160,163-165)	7	7	-	2	1	1	3	2	1	2	1	1	-	-	-

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Table 1-25. Deaths From 282 Selected Causes, by Specified Race or National Origin and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044; see Technical Appendix.]

Cause of death	All races			White			Black			American Indian †		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
<b>Malignant neoplasms, etc.—Con.</b>												
Malignant neoplasms of bone, connective tissue, skin, and breast (170-175) .....	54,566	7,391	47,175	48,810	6,886	41,924	5,288	454	4,834	86	10	76
Of bone and articular cartilage (170) .....	1,059	598	461	809	515	294	131	73	58	5	5	—
Of connective and other soft tissue (171) .....	2,966	1,480	1,486	2,583	1,327	1,256	331	130	201	12	4	8
Melanoma of skin (172) .....	5,979	3,585	2,394	5,877	3,535	2,342	88	41	47	—	—	—
Other malignant neoplasms of skin (173) .....	2,101	1,499	602	1,875	1,280	595	213	162	51	3	1	2
Of female breast (174) .....	42,172	—	42,172	37,327	—	37,327	4,467	—	4,467	66	—	66
Of male breast (175) .....	289	289	—	229	229	—	58	58	—	—	—	—
Malignant neoplasms of genital organs (178-187) .....	53,353	29,560	23,793	45,214	24,694	20,520	7,564	4,631	2,933	135	85	70
Of cervix uteri (180) .....	4,443	—	4,443	3,343	—	3,343	974	—	974	29	—	29
Of other parts of uterus (179,181-182) .....	5,914	—	5,914	4,967	—	4,967	898	—	898	11	—	11
Of ovary and other uterine adnexa (183) .....	12,397	—	12,397	11,293	—	11,293	953	—	953	30	—	30
Of other and unspecified female genital organs (184) .....	1,039	—	1,039	917	—	917	118	—	118	—	—	—
Of prostate (185) .....	28,982	—	28,982	24,176	—	24,176	4,582	—	4,582	64	64	—
Of testis (186) .....	367	—	367	344	—	344	17	—	17	1	1	—
Of penis and other male genital organs (187) .....	211	—	211	174	—	174	32	—	32	—	—	—
Malignant neoplasms of urinary organs (188-189) .....	19,474	12,389	7,085	17,700	11,366	6,334	1,602	912	690	43	23	20
Of bladder (188) .....	9,805	6,534	3,271	8,951	6,077	2,874	782	411	371	13	6	7
Of kidney and other and unspecified urinary organs (189) .....	9,669	5,855	3,814	8,749	5,289	3,460	820	501	319	30	17	13
Malignant neoplasms of other and unspecified sites (180-199) .....	49,025	25,711	23,314	43,256	22,662	20,594	5,171	2,748	2,423	135	68	67
Of eye (190) .....	257	123	134	245	116	129	11	6	5	1	1	—
Of brain (191) .....	10,646	5,330	4,716	9,898	5,530	4,368	640	345	295	21	15	6
Of other and unspecified parts of nervous system (192) .....	297	146	151	283	129	134	29	13	16	1	—	1
Of thyroid gland and other endocrine glands and related structures (193-194) .....	1,667	752	915	1,458	671	787	168	68	100	8	1	7
Of all other and unspecified sites (195-199) .....	36,158	18,760	17,398	31,392	16,216	15,176	4,323	2,316	2,007	104	51	53
Malignant neoplasms of lymphatic and hematopoietic tissues (200-209) .....	44,762	23,792	20,970	40,197	21,375	18,822	4,022	2,121	1,901	104	49	55
Lymphosarcoma and reticulosarcoma (200) .....	2,485	1,301	1,184	2,278	1,179	1,099	155	103	52	3	1	2
Hodgkin's disease (201) .....	1,608	945	663	1,445	851	594	150	84	66	2	2	—
Other malignant neoplasms of lymphoid and histiocytic tissue (202) .....	14,794	7,591	7,203	13,728	6,998	6,730	892	497	395	30	16	14
Multiple myeloma and immunoproliferative neoplasms (203) .....	8,318	4,231	4,087	6,892	3,562	3,330	1,347	631	716	20	7	13
Leukemia (204-208) .....	17,577	8,724	7,853	15,854	8,785	7,069	1,478	806	672	49	23	26
Lymphoid leukemia (204) .....	5,015	2,808	2,109	4,513	2,611	1,902	449	264	185	10	6	4
Myeloid leukemia (205) .....	7,154	3,849	3,305	6,446	3,488	2,958	586	300	286	24	9	15
Monocytic leukemia (206) .....	266	135	131	244	125	119	15	7	8	—	—	—
Other and unspecified leukemia (207-208) .....	5,142	2,834	2,308	4,651	2,561	2,090	428	235	193	15	8	7
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	6,735	3,012	3,723	5,870	2,639	3,231	784	330	454	16	7	9
Benign neoplasms (210-229) .....	1,482	541	941	1,218	445	773	242	86	156	3	1	2
Of female genital organs (218-221) .....	45	—	45	31	—	31	13	—	13	1	—	1
Of eye, brain, and other parts of nervous system (224-225) .....	909	294	615	768	250	518	130	39	91	1	1	—
Of all other and unspecified sites (210-217,222-223,226-229) .....	528	247	281	419	185	224	99	47	52	1	—	1
Carcinoma in situ (230-234) .....	10	4	6	8	3	5	2	1	1	—	—	—
Of breast and genitourinary system (233) .....	4	1	3	4	1	3	—	—	—	—	—	—
Of all other and unspecified sites (230-232,234) .....	6	3	3	4	2	2	2	1	1	—	—	—
Neoplasms of uncertain behavior (235-239) .....	1,538	740	798	1,392	680	712	126	51	75	3	—	3
Neoplasms of unspecified nature (239) .....	3,705	1,727	1,978	3,252	1,511	1,741	414	192	222	10	6	4
<b>III. Endocrine, nutritional, and metabolic diseases and immunity disorders (240-279) .....</b>												
Endocrine and metabolic diseases and immunity disorders (240-259,270-279) .....	55,269	23,299	31,970	45,056	19,161	25,895	9,339	3,727	5,612	380	155	225
Disorders of thyroid gland (240-246) .....	52,284	22,203	30,081	42,530	18,277	24,253	8,919	3,532	5,387	360	145	215
Diabetes mellitus (250) .....	730	176	554	622	142	480	89	30	59	4	3	1
Diabetes (250) .....	40,368	16,975	23,393	32,992	14,008	18,984	6,972	2,640	4,332	311	124	187
Disorders of the pituitary gland and its hypothalamic control (253) .....	185	74	111	159	57	102	25	16	9	—	—	—
Diseases of thymus gland (254) .....	7	4	3	6	3	3	1	1	—	—	—	—
Disorders of adrenal glands (255) .....	222	96	126	196	79	117	33	16	17	1	—	1
Cystic fibrosis (277.0) .....	356	152	204	343	146	197	12	6	6	1	—	1
Obesity (278.0) .....	1,135	504	631	862	396	466	265	101	164	4	3	1
All other endocrine and metabolic diseases and immunity disorders (251-252,256-259, 270-276,277.1-277.9,278.1-279) .....	9,271	4,222	5,049	7,650	3,446	4,204	1,512	722	790	39	15	24
Nutritional deficiencies (260-269) .....	2,985	1,096	1,889	2,526	884	1,642	420	196	225	20	10	10
Nutritional marasmus (261) .....	296	127	169	229	99	130	64	27	37	3	1	2
Other protein-calorie malnutrition (262-263) .....	2,502	869	1,606	2,134	723	1,411	335	159	176	16	8	8
All other nutritional deficiencies (260,264-269) .....	187	73	114	163	62	101	21	9	12	1	1	—
<b>IV. Diseases of blood and blood-forming organs (280-289) .....</b>												
Anemias (280-285) .....	8,315	3,871	4,344	6,964	3,325	3,639	1,234	579	655	28	18	10
Deficiency anemias (280-281) .....	3,816	1,614	2,202	3,034	1,247	1,787	731	337	394	12	9	3
Hemolytic anemias (282-283) .....	289	104	185	259	92	167	29	11	18	—	—	—
Aplastic anemia (284) .....	696	328	368	314	124	190	364	194	170	5	5	—
Other and unspecified anemias (285) .....	1,302	614	688	1,171	554	617	115	49	66	4	2	2
Purpura and other hemorrhagic conditions (287) .....	1,529	568	961	1,290	477	813	223	83	140	3	2	1
All other diseases of blood and blood-forming organs (286,288-289) .....	709	308	401	623	273	350	78	32	46	1	1	—
<b>V. Mental disorders (290-319) .....</b>												
Senile and presenile organic psychotic conditions (290) .....	24,018	11,970	12,048	19,869	9,191	10,678	3,834	2,566	1,268	206	148	58
Alcoholic psychoses (291) .....	6,734	2,868	4,348	6,246	2,161	4,065	440	199	241	10	6	4
All other psychoses (282-289) .....	372	318	54	240	203	37	124	109	15	8	6	2
Alcohol dependence syndrome (303) .....	3,284	1,319	1,965	2,937	1,138	1,799	309	158	151	9	5	3
Drug dependence (304) .....	4,718	3,709	1,009	3,183	2,521	662	1,387	1,085	312	127	93	34
Other neurotic, personality, and nonpsychotic mental disorders (300-302,305-316) .....	952	738	214	527	415	112	423	321	102	2	2	—
Mental retardation (317-319) .....	7,572	3,275	4,297	6,408	2,565	3,843	1,089	659	430	47	34	13
.....	386	225	161	328	188	140	52	35	17	3	1	2

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Table 1-25. Deaths From 282 Selected Causes, by Specified Race or National Origin and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	Chinese			Japanese			Filipino			Other Asian or Pacific Islander <sup>a</sup>			Other		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
<b>Malignant neoplasms, etc.—Con.</b>															
Malignant neoplasms of bone, connective tissue, skin, and breast (170-175).....	116	11	105	73	6	67	64	6	58	124	17	107	5	1	4
Of bone and articular cartilage (170).....	1	—	1	2	—	2	1	1	—	10	4	6	—	—	—
Of connective and other soft tissue (171).....	9	5	4	5	3	2	7	4	3	8	6	2	1	1	—
Melanoma of skin (172).....	3	2	1	2	1	1	1	1	—	8	5	3	—	—	—
Other malignant neoplasms of skin (173).....	4	4	—	2	2	—	3	—	3	1	—	1	—	—	—
Of female breast (174).....	99	—	99	62	—	62	52	—	52	95	—	95	4	—	4
Of male breast (175).....	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—
Malignant neoplasms of genital organs (179-187).....	97	29	68	94	44	50	100	62	38	147	34	113	2	1	1
Of cervix uteri (180).....	21	—	21	8	—	8	15	—	15	52	—	52	1	—	1
Of other parts of uterus (179,181-182).....	16	—	16	10	—	10	6	—	6	16	—	16	—	—	—
Of ovary and other uterine adnexa (183).....	31	—	31	32	—	32	17	—	17	41	—	41	—	—	—
Of other and unspecified female genital organs (184).....	—	—	—	—	—	—	—	—	—	4	—	4	—	—	—
Of prostate (185).....	26	26	—	43	43	—	61	61	—	30	30	—	—	—	—
Of testis (188).....	2	2	—	—	—	—	—	—	—	2	2	—	1	1	—
Of penis and other male genital organs (187).....	1	1	—	1	1	—	1	1	—	2	2	—	—	—	—
Malignant neoplasms of urinary organs (188-189).....	36	22	14	33	21	12	23	17	6	37	28	9	—	—	—
Of bladder (188).....	18	12	6	14	7	7	9	7	2	18	14	4	—	—	—
Of kidney and other and unspecified urinary organs (189).....	18	10	8	19	14	5	14	10	4	19	14	5	—	—	—
Malignant neoplasms of other and unspecified sites (190-199).....	139	75	64	77	35	42	79	43	36	162	78	84	6	2	4
Of eye (190).....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Of brain (191).....	23	12	11	13	3	10	7	3	4	44	22	22	—	—	—
Of other and unspecified parts of nervous system (192).....	—	—	—	1	1	—	—	—	—	3	3	—	—	—	—
Of thyroid gland and other endocrine glands and related structures (193-194).....	5	2	3	5	1	4	12	4	8	11	5	6	—	—	—
Of all other and unspecified sites (195-199).....	111	61	50	58	30	28	60	36	24	104	48	56	6	2	4
Malignant neoplasms of lymphatic and hematopoietic tissues (200-208).....	102	66	36	76	33	43	83	50	33	175	95	80	3	3	—
Lymphosarcoma and reticulosarcoma (200).....	6	4	2	6	4	2	7	4	3	10	6	4	—	—	—
Hodgkin's disease (201).....	4	3	1	3	2	1	2	1	1	2	2	—	—	—	—
Other malignant neoplasms of lymphoid and histiocytic tissue (202).....	38	26	13	27	8	19	29	19	10	47	25	22	2	2	—
Multiple myeloma and immunoproliferative neoplasms (203).....	15	9	6	12	4	8	12	9	3	20	9	11	—	—	—
Leukemia (204-208).....	38	24	14	28	15	13	33	17	16	96	53	43	1	1	—
Lymphoid leukemia (204).....	9	8	1	5	2	3	8	5	3	21	10	11	—	—	—
Myeloid leukemia (205).....	18	10	8	11	5	6	17	9	8	51	27	24	1	1	—
Monocytic leukemia (206).....	3	2	1	1	—	1	2	1	1	1	1	—	—	—	—
Other and unspecified leukemia (207-208).....	8	4	4	11	8	3	8	2	4	23	16	7	—	—	—
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239).....	19	11	8	12	7	5	12	5	7	21	12	9	1	1	—
Benign neoplasms (210-229).....	5	3	2	2	—	2	4	1	3	7	4	3	1	1	—
Of female genital organs (218-221).....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Of eye, brain, and other parts of nervous system (224-225).....	2	1	1	1	—	1	2	—	2	5	3	2	—	—	—
Of all other and unspecified sites (210-217,222-223,226-229).....	3	2	1	1	—	1	2	1	1	2	1	1	1	1	—
Carcinoma in situ (230-234).....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Of breast and genitourinary system (233).....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Of all other and unspecified sites (230-232,234).....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Neoplasms of uncertain behavior (235-238).....	3	3	—	4	2	2	4	2	2	6	2	4	—	—	—
Neoplasms of unspecified nature (239).....	11	5	6	6	5	1	4	2	2	8	6	2	—	—	—
<b>III. Endocrine, nutritional, and metabolic diseases and immunity disorders (240-279).....</b>	121	61	60	111	52	59	90	58	32	166	82	84	6	3	3
Endocrine and metabolic diseases and immunity disorders (240-259,270-279).....	116	61	55	108	51	57	85	53	32	160	81	79	6	3	3
Disorders of thyroid gland (240-246).....	1	—	—	—	—	—	1	—	—	3	1	2	—	—	—
Diabetes mellitus (250).....	96	51	45	86	39	47	73	44	29	133	66	67	5	3	2
Disorders of the pituitary gland and its hypothalamic control (253).....	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—
Diseases of thymus gland (254).....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Disorders of adrenal glands (255).....	—	—	—	—	—	—	1	1	—	1	—	1	—	—	—
Cystic fibrosis (277.0).....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Obesity (278.0).....	1	1	—	—	—	—	—	—	—	3	3	—	—	—	—
All other endocrine and metabolic diseases and immunity disorders (251-252,258-259, 270-276,277.1-277.9,278.1-279).....	18	9	9	21	11	10	10	8	2	20	11	9	1	—	1
Nutritional deficiencies (260-269).....	5	—	5	3	1	2	5	5	—	6	1	5	—	—	—
Nutritional marasmus (261).....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other protein-calorie malnutrition (262-263).....	4	—	4	3	1	2	5	5	—	5	—	5	—	—	—
All other nutritional deficiencies (260,264-269).....	1	—	1	—	—	—	—	—	—	1	1	—	—	—	—
<b>IV. Diseases of blood and blood-forming organs (280-289).....</b>	25	16	7	14	6	8	23	12	11	27	13	14	—	—	—
Anemias (280-285).....	9	8	1	4	2	2	12	5	7	14	6	8	—	—	—
Deficiency anemias (280-281).....	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—
Hemolytic anemias (282-283).....	4	3	1	—	—	—	5	—	5	4	2	2	—	—	—
Aplastic anemia (284).....	3	3	—	1	1	—	3	3	—	5	2	3	—	—	—
Other and unspecified anemias (285).....	2	2	—	3	1	2	4	2	2	4	1	3	—	—	—
Purpura and other hemorrhagic conditions (287).....	3	1	2	2	—	2	2	1	1	—	—	—	—	—	—
All other diseases of blood and blood-forming organs (286,288-289).....	13	9	4	8	4	4	9	6	3	13	7	6	—	—	—
<b>V. Mental disorders (290-319).....</b>	20	12	8	30	11	19	16	13	3	42	28	14	1	1	—
Senile and presenile organic psychotic conditions (290).....	8	5	3	13	4	9	6	5	1	11	8	5	—	—	—
Alcoholic psychoses (291).....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All other psychoses (292-299).....	5	2	3	9	3	6	4	4	—	11	8	3	—	—	—
Alcohol dependence syndrome (303).....	—	—	—	1	1	—	1	1	—	9	8	1	—	—	—
Drug dependence (304).....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other neurotic, personality, and nonpsychotic mental disorders (300-302,305-316).....	6	5	1	5	2	3	5	3	2	11	6	5	1	1	—
Mental retardation (317-319).....	1	—	1	2	1	1	—	—	—	—	—	—	—	—	—

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Table 1-25. Deaths From 282 Selected Causes, by Specified Race or National Origin and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	All races			White			Black			American Indian †		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
VI. Diseases of the nervous system and sense organs (320-389)	37,018	18,031	18,987	33,373	16,080	17,293	3,306	1,766	1,540	95	45	50
Diseases of the nervous system (320-359)	36,921	17,987	18,934	33,295	16,045	17,250	3,288	1,757	1,531	95	45	50
Meningitis (320-322)	1,156	601	555	808	402	406	326	185	141	11	8	9
Parkinson's disease (332)	6,397	3,661	2,736	6,118	3,494	2,624	216	129	87	12	7	5
Other hereditary and degenerative diseases of the central nervous system (330-331,333-337)	18,386	7,941	10,445	17,313	7,433	9,880	963	447	518	25	9	16
Multiple sclerosis (340)	1,635	646	989	1,502	603	899	124	40	84	3	1	2
Infantile cerebral palsy (343)	659	361	298	503	279	224	141	78	63	4	1	3
Epilepsy (345)	1,619	925	694	1,175	645	530	424	269	155	11	6	5
Other diseases of the nervous system (323-326,341-342,344,346-359)	7,069	3,852	3,217	5,876	3,189	2,687	1,094	609	485	29	13	16
Disorders of the eye and adnexa (360-370)	27	10	17	20	5	15	7	5	2	-	-	-
Diseases of the ear and mastoid process (380-389)	70	34	36	58	30	28	11	4	7	-	-	-
VII. Diseases of the circulatory system (390-459)	973,969	473,119	500,850	860,154	417,074	443,080	104,161	50,471	53,690	2,316	1,286	1,032
Rheumatic fever and rheumatic heart disease (390-398)	6,421	1,945	4,476	5,874	1,746	4,128	426	154	272	27	9	18
Acute rheumatic fever (390-392)	78	36	40	63	29	34	11	5	6	-	-	-
Chronic rheumatic heart disease (393-398)	6,345	1,909	4,436	5,811	1,717	4,094	415	149	266	27	9	18
Diseases of mitral valve (394)	2,974	837	2,137	2,741	769	1,972	188	55	133	9	1	8
Diseases of aortic valve (395)	223	113	110	200	88	102	17	7	-	-	-	-
Diseases of mitral and aortic valves (396)	1,057	387	670	967	345	622	71	31	40	3	2	1
All other chronic rheumatic heart disease (393,397-398)	2,091	572	1,519	1,803	505	1,398	139	53	86	15	6	9
Hypertensive disease (401-404)	31,694	13,389	18,295	23,105	9,550	13,555	8,210	3,631	4,579	61	38	23
Essential hypertension (401)	4,287	1,731	2,556	3,345	1,354	1,991	896	350	546	9	6	3
Hypertensive heart disease (402)	20,788	8,850	11,938	14,901	6,099	8,802	5,626	2,607	3,019	37	23	14
Hypertensive renal disease (403)	4,169	1,824	2,345	3,088	1,395	1,693	1,030	397	633	11	7	4
Hypertensive heart and renal disease (404)	2,450	984	1,456	1,771	702	1,069	658	277	381	4	2	2
Ischemic heart disease (410-414)	509,592	264,505	245,087	463,674	241,284	222,390	41,419	20,430	20,989	1,119	672	447
Acute myocardial infarction (410)	247,950	135,884	112,066	225,262	124,278	100,984	20,393	10,197	10,196	632	370	262
Other acute and subacute forms of ischemic heart disease (411)	3,408	1,955	1,453	2,915	1,681	1,234	465	274	191	15	10	5
Angina pectoris (413)	1,021	455	566	927	413	514	81	41	50	1	-	1
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	257,213	126,211	131,002	234,570	114,932	119,638	20,470	9,918	10,552	471	292	179
Diseases of pulmonary circulation (415-417)	12,936	6,025	6,911	10,670	4,947	5,723	2,165	1,029	1,136	29	13	16
Other forms of heart disease (420-429)	212,969	103,083	109,886	181,636	86,741	94,895	29,172	15,087	14,085	609	329	280
Acute and subacute endocarditis (421)	969	565	397	744	418	326	205	138	67	3	2	1
Acute pericarditis, acute myocarditis, and other diseases of pericardium (420,422-423)	847	447	400	879	380	319	154	80	74	4	3	1
Other diseases of endocardium (424)	11,731	5,185	6,546	10,887	4,680	6,007	904	428	476	42	21	21
Mitral valve disorders (424.0)	1,801	679	1,122	1,641	612	1,029	140	58	84	4	2	2
Aortic valve disorders (424.1)	7,313	3,463	3,850	6,746	3,155	3,591	489	261	228	21	13	8
All other diseases of endocardium (424.2-424.9)	2,617	1,043	1,574	2,300	913	1,387	275	111	164	17	6	11
Heart failure (428)	42,940	17,612	25,328	38,237	15,570	22,667	4,372	1,889	2,483	124	46	78
Myocarditis, unspecified and myocardial degeneration (429.0-429.1)	1,445	740	705	1,194	594	600	285	140	95	2	1	1
All other and ill-defined forms of heart disease (425-427,429.2-429.9)	155,044	76,534	78,510	130,095	65,119	64,976	23,302	12,412	10,890	434	256	178
Cerebrovascular diseases (430-438)	150,517	59,759	90,758	130,075	50,692	79,383	18,479	8,098	10,381	371	171	200
Subarachnoid hemorrhage (430)	6,781	2,472	4,309	5,612	2,068	3,544	987	342	645	26	7	19
Intracerebral and other intracranial hemorrhage (431-432)	21,242	9,736	11,506	17,288	7,687	9,601	3,450	1,787	1,663	63	37	26
Occlusion and stenosis of precerebral arteries (433)	1,266	652	584	1,120	578	542	106	68	38	2	-	2
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9)	21,265	8,303	12,962	18,825	7,237	11,588	2,233	965	1,268	37	13	24
Cerebral embolism (434.1)	741	309	432	682	280	402	49	23	26	2	1	1
Acute but ill-defined cerebrovascular disease (436)	82,450	32,036	50,414	71,735	27,467	44,268	9,876	4,140	5,736	207	100	107
Other and late effects of cerebrovascular diseases (435,437-438)	16,802	6,251	10,551	14,813	5,375	9,438	1,778	773	1,005	34	13	21
Diseases of arteries, arterioles, and capillaries (440-448)	45,271	22,141	23,130	41,333	20,262	21,071	3,555	1,656	1,897	93	49	44
Atherosclerosis (440)	22,086	8,827	13,259	20,261	7,529	12,732	1,694	739	955	45	19	26
Aortic aneurysm (441)	15,719	10,429	5,290	14,528	9,758	4,770	1,006	545	461	30	21	9
All other diseases of arteries, arterioles, and capillaries (442-448)	7,466	3,385	4,081	6,544	2,975	3,569	855	374	481	18	9	9
Diseases of veins and lymphatics, and other diseases of circulatory system (451-459)	4,569	2,262	2,307	3,787	1,852	1,935	795	384	351	9	5	4
Phlebitis, thrombophlebitis, and venous embolism and thrombosis (451-453)	1,888	853	1,035	1,611	716	895	269	139	136	1	-	1
Other diseases of veins and lymphatics and all other diseases of circulatory system (454-459)	2,681	1,409	1,272	2,176	1,136	1,040	466	251	215	8	5	3
VIII. Diseases of the respiratory system (460-519)	107,006	99,967	87,019	169,308	89,396	79,912	15,721	9,399	6,322	567	314	253
Diseases of the upper respiratory tract (460-465,470-478)	634	302	332	519	236	283	106	62	44	2	-	2
Acute upper respiratory infections (460-465)	314	134	180	260	100	160	49	33	16	2	-	2
Other diseases of upper respiratory tract (470-478)	320	168	152	259	136	123	57	29	28	-	-	-
Other diseases of the respiratory system (466,480-519)	186,372	99,685	86,687	168,789	88,160	79,629	15,615	9,337	6,278	565	314	251
Acute bronchitis and bronchiolitis (466)	635	281	354	564	246	318	62	32	30	2	1	1
Pneumonia (480-486)	75,719	36,161	39,558	87,705	31,622	36,083	7,122	4,019	3,103	273	145	128
Viral pneumonia (480)	682	308	374	605	288	337	59	30	29	8	4	4
Pneumococcal and other bacterial pneumonia (481-482)	6,099	3,225	2,874	5,135	2,641	2,494	850	520	330	39	22	17
Bronchopneumonia, organism unspecified (485)	7,728	3,755	3,973	6,731	3,148	3,583	914	562	352	23	9	14
Pneumonia due to other and unspecified organism (483,486)	61,210	28,873	32,337	55,234	25,565	29,669	5,299	2,907	2,392	203	110	83
Influenza (487)	1,943	673	1,270	1,865	640	1,225	69	28	41	5	2	3
Chronic obstructive pulmonary diseases and allied conditions (490-495)	82,853	48,939	33,914	76,673	44,827	31,846	5,476	3,644	1,832	178	112	86
Bronchitis, chronic and unspecified, emphysema and asthma (490-493)	23,830	13,500	10,330	21,553	12,102	9,451	2,021	1,229	792	56	36	20
Bronchitis, not specified as acute or chronic (490)	657	273	384	601	239	362	47	28	19	-	-	-
Chronic bronchitis (491)	3,063	1,719	1,344	2,890	1,611	1,279	146	93	53	6	5	1
Emphysema (492)	15,513	9,686	5,827	14,589	8,953	5,636	816	648	168	26	19	7
Asthma (493)	4,587	1,822	2,765	3,473	1,299	2,174	1,012	460	552	24	12	12

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Table 1-25. Deaths From 282 Selected Causes, by Specified Race or National Origin and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	Chinese			Japanese			Filipino			Other Asian or Pacific Islander *			Other		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
VI. Diseases of the nervous system and sense organs (320-389) .....	54	33	21	59	25	34	31	25	6	95	55	40	5	2	3
Diseases of the nervous system (320-359) .....	54	33	21	59	25	34	31	25	6	94	55	39	5	2	3
Meningitis (320-322) .....	1	1	-	1	-	1	3	3	-	8	2	4	-	-	-
Parkinson's disease (332) .....	15	9	6	21	10	11	4	4	-	9	7	2	2	1	1
Other hereditary and degenerative diseases of the central nervous system (330-331,333-337) .....	17	9	8	20	10	10	13	11	2	32	21	11	3	1	2
Multiple sclerosis (340) .....	2	1	-	2	1	1	1	-	1	1	-	1	-	-	-
Infantile cerebral palsy (343) .....	2	1	1	2	-	2	2	-	2	5	2	3	-	-	-
Epilepsy (345) .....	1	1	-	-	-	-	1	-	1	7	4	3	-	-	-
Other diseases of the nervous system (323-326,341-342,344,346-359) .....	16	11	5	19	4	9	7	7	-	34	19	15	-	-	-
Disorders of the eye and adnexa (360-379) .....	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Diseases of the ear and mastoid process (380-389) .....	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
VII. Diseases of the circulatory system (390-459) .....	1,953	1,142	811	1,523	800	723	1,589	1,137	462	2,200	1,176	1,024	61	33	28
Rheumatic fever and rheumatic heart disease (390-398) .....	31	6	25	13	6	7	16	9	7	39	15	18	1	-	1
Acute rheumatic fever (390-392) .....	-	-	-	1	1	-	-	-	-	1	1	-	-	-	-
Chronic rheumatic heart disease (393-398) .....	31	6	25	12	5	7	16	9	7	32	14	18	1	-	1
Diseases of mitral valve (394) .....	16	2	14	3	1	2	8	4	4	9	5	4	-	-	-
Diseases of aortic valve (395) .....	2	-	1	2	2	-	2	2	-	1	1	-	-	-	-
Diseases of mitral and aortic valves (396) .....	2	2	-	6	2	4	1	1	-	7	4	3	-	-	-
All other chronic rheumatic heart disease (393,397-398) .....	12	2	10	1	-	1	5	2	3	15	4	11	1	-	1
Hypertensive disease (401-404) .....	101	58	43	64	25	39	87	44	23	83	51	32	3	2	1
Essential hypertension (401) .....	9	4	5	10	6	4	3	3	-	15	8	7	-	-	-
Hypertensive heart disease (402) .....	62	35	27	48	16	32	54	34	20	57	34	23	3	2	1
Hypertensive renal disease (403) .....	19	10	9	5	2	3	9	6	3	7	7	4	-	-	-
Hypertensive heart and renal disease (404) .....	11	9	2	1	1	-	1	1	-	4	2	2	-	-	-
Ischemic heart disease (410-414) .....	904	557	347	897	407	290	732	549	183	1,011	584	427	36	22	14
Acute myocardial infarction (410) .....	399	242	157	322	200	122	378	267	111	541	315	226	23	15	8
Other acute and subacute forms of ischemic heart disease (411) .....	2	2	-	1	-	1	2	2	-	8	6	2	-	-	-
Angina pectoris (412) .....	1	-	1	-	-	-	-	-	-	1	1	-	-	-	-
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414) .....	502	313	189	374	207	167	352	280	72	461	262	199	13	7	6
Diseases of pulmonary circulation (415-417) .....	16	11	5	8	4	5	18	9	9	29	12	17	-	-	-
Other forms of heart disease (420-429) .....	397	239	158	318	177	141	321	225	86	507	283	224	9	2	7
Acute and subacute endocarditis (421) .....	1	1	-	1	1	-	4	4	-	4	1	3	-	-	-
Acute pericarditis, acute myocarditis, and other diseases of pericardium (420,422-423) .....	-	-	-	2	-	2	1	1	-	7	3	4	-	-	-
Other diseases of endocardium (424) .....	20	11	9	19	9	10	26	19	7	32	17	15	1	-	1
Mitral valve disorders (424.0) .....	7	5	2	1	1	-	1	1	-	6	2	4	1	-	1
Aortic valve disorders (424.1) .....	8	4	4	16	8	8	15	12	3	18	10	8	-	-	-
All other diseases of endocardium (424.2-424.9) .....	5	2	3	2	-	2	10	6	4	8	5	3	-	-	-
Heart failure (428) .....	65	32	33	36	14	22	42	28	14	63	33	30	1	-	1
Myocarditis, unspecified and myocardial degeneration (428.0-429.1) .....	3	1	2	1	1	-	1	1	-	9	2	7	-	-	-
All other and ill-defined forms of heart disease (425-427,428.2-429.9) .....	308	194	114	259	152	107	247	172	75	392	227	165	7	2	5
Cerebrovascular diseases (430-438) .....	429	228	201	349	146	203	369	245	124	433	172	261	12	7	5
Subarachnoid hemorrhage (430) .....	34	11	23	24	8	16	39	18	21	57	17	40	2	1	1
Intracerebral and other intracranial hemorrhage (431-432) .....	128	77	49	77	32	45	97	60	37	140	55	85	1	1	-
Occlusion and stenosis of precerebral arteries (433) .....	2	2	-	2	2	-	2	1	1	2	1	1	-	-	-
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) .....	49	26	23	36	18	18	40	27	13	43	15	28	2	2	-
Cerebral embolism (434.1) .....	2	2	-	-	-	-	3	1	2	3	2	1	-	-	-
Acute but ill-defined cerebrovascular disease (435) .....	170	88	82	167	71	96	140	102	38	150	66	84	5	2	3
Other and late effects of cerebrovascular diseases (435,437-438) .....	46	22	24	43	15	28	46	36	12	38	16	22	2	1	1
Diseases of arteries, arterioles, and capillaries (440-448) .....	62	35	27	70	33	37	72	53	19	86	51	35	-	-	-
Atherosclerosis (440) .....	19	8	11	24	8	16	21	14	7	22	10	12	-	-	-
Aortic aneurysm (441) .....	34	21	13	36	20	18	39	30	9	44	34	10	-	-	-
All other diseases of arteries, arterioles, and capillaries (442-448) .....	9	6	3	8	5	3	12	9	3	20	7	13	-	-	-
Diseases of veins and lymphatics, and other diseases of circulatory system (451-459) .....	13	8	5	3	2	1	4	3	1	18	8	10	-	-	-
Phlebitis, thrombophlebitis, and venous embolism and thrombosis (451-453) .....	1	-	1	1	1	-	1	1	-	4	2	2	-	-	-
Other diseases of veins and lymphatics and all other diseases of circulatory system (454-459) .....	12	8	4	2	1	1	3	2	1	14	6	8	-	-	-
VIII. Diseases of the respiratory system (460-519) .....	398	264	134	307	180	127	322	226	86	369	202	167	14	6	8
Diseases of the upper respiratory tract (460-465,470-478) .....	2	-	2	1	1	-	1	-	1	3	3	-	-	-	-
Acute upper respiratory infections (460-465) .....	2	-	2	-	-	-	-	-	-	1	1	-	-	-	-
Other diseases of upper respiratory tract (470-478) .....	-	-	-	1	1	-	1	-	1	2	2	-	-	-	-
Other diseases of the respiratory system (466,480-519) .....	396	264	132	306	179	127	321	226	85	366	199	167	14	6	8
Acute bronchitis and bronchiolitis (466) .....	2	1	1	1	-	1	2	-	2	2	1	1	-	-	-
Pneumonia (480-486) .....	182	112	70	152	87	65	132	95	37	148	79	69	5	2	3
Viral pneumonia (480) .....	5	4	1	2	-	2	1	1	-	2	1	1	-	-	-
Pneumococcal and other bacterial pneumonia (481-482) .....	25	13	12	21	14	7	14	9	5	15	6	9	-	-	-
Bronchopneumonia, organism unspecified (485) .....	17	10	7	13	8	5	11	7	4	18	10	8	1	1	1
Pneumonia due to other and unspecified organism (483,486) .....	135	85	50	116	65	51	106	78	28	113	62	51	4	1	3
Influenza (487) .....	2	2	-	1	-	1	1	1	-	-	-	-	-	-	-
Chronic obstructive pulmonary diseases and allied conditions (480-496) .....	150	114	36	86	55	31	132	98	34	153	86	67	5	3	2
Bronchitis, chronic and unspecified, emphysema and asthma (480-493) .....	81	44	17	28	18	10	46	33	15	60	36	24	3	2	1
Bronchitis, not specified as acute or chronic (490) .....	-	-	-	1	-	1	3	2	1	5	4	1	-	-	-
Chronic bronchitis (491) .....	6	5	1	3	1	2	5	2	3	6	1	5	1	1	1
Emphysema (492) .....	29	24	5	16	13	3	16	14	2	19	14	5	2	1	1
Asthma (483) .....	26	15	11	8	4	4	24	15	9	30	17	13	-	-	-

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Table 1-25. Deaths From 282 Selected Causes, by Specified Race or National Origin and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	All races			White			Black			American Indian 1		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Chronic obstructive pulmonary diseases and allied conditions-Con.												
Bronchiectasis and extrinsic allergic alveolitis (494-495) .....	901	348	553	817	303	514	46	29	17	5	2	3
Chronic airways obstruction, not elsewhere classified (496) .....	58,122	35,091	23,031	54,303	32,422	21,881	3,409	2,386	1,023	117	74	43
Pneumoconioses and other lung diseases due to external agents (500-508) .....	9,032	5,167	3,865	7,932	4,520	3,412	998	585	413	18	9	9
Empyema and abscess of lung and mediastinum (510,513) .....	1,050	676	374	815	525	290	217	141	76	11	7	4
Plumsey (511) .....	880	410	470	745	341	404	121	62	59	5	3	2
All other diseases of respiratory system (512,514-519) .....	14,260	7,378	6,882	12,490	6,439	6,051	1,550	826	724	73	35	38
<b>IX. Diseases of the digestive system (520-579) .....</b>	<b>76,355</b>	<b>39,645</b>	<b>36,710</b>	<b>65,463</b>	<b>33,536</b>	<b>31,927</b>	<b>9,636</b>	<b>5,382</b>	<b>4,254</b>	<b>595</b>	<b>316</b>	<b>279</b>
Diseases of oral cavity, salivary glands, and jaws (520-529) .....	99	39	60	75	28	49	23	13	10	-	-	-
Diseases of other parts of the digestive system (530-579) .....	76,256	39,606	36,650	65,388	33,510	31,878	9,613	5,368	4,244	595	316	279
Ulcer of stomach and duodenum (531-533) .....	6,435	3,182	3,253	5,737	2,807	2,930	560	324	236	19	8	11
Gastric ulcer (531) .....	2,009	921	1,088	1,750	768	982	221	134	87	11	2	9
Duodenal ulcer (532) .....	2,177	1,155	1,022	1,997	1,047	950	156	91	65	2	2	-
Peptic ulcer, site unspecified (533) .....	2,249	1,106	1,143	2,040	992	1,048	183	99	84	6	4	2
Gastritis and duodenitis (535) .....	654	366	288	550	309	251	83	48	35	8	6	2
Appendicitis (540-543) .....	473	241	232	368	181	187	99	57	42	-	-	-
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	5,599	2,041	3,558	4,866	1,706	3,160	895	312	383	15	10	5
Regional enteritis and idiopathic proctocolitis (555-556) .....	687	281	406	639	257	382	45	21	24	-	-	-
All other noninfective gastroenteritis and colitis (557-558) .....	7,904	2,907	4,997	7,089	2,527	4,561	727	337	390	37	14	23
Diverticula of intestine (562) .....	3,010	940	2,070	2,774	868	1,908	219	66	153	7	2	5
Chronic liver disease and cirrhosis (571) .....	26,409	17,196	9,213	21,924	14,381	7,543	3,903	2,476	1,427	355	193	162
Chronic liver disease and cirrhosis, specified as												
alcoholic (571.0-571.3) .....	11,792	8,530	3,262	9,236	6,806	2,430	2,238	1,527	711	260	150	110
Chronic hepatitis and biliary cirrhosis (571.4,571.6) .....	1,205	498	707	1,061	379	682	97	35	62	10	3	7
Cirrhosis of liver and other and unspecified chronic liver disease without mention of alcohol (571.5,571.8-571.9) .....	13,412	8,228	5,184	11,627	7,196	4,431	1,568	914	654	85	40	45
Cholelithiasis and other disorders of gallbladder (574-575) .....	3,115	1,385	1,730	2,789	1,243	1,546	264	107	157	22	10	12
All other diseases of digestive system (530,534,536-537,564-570,572-573,576-579) .....	21,970	11,067	10,903	18,583	9,233	9,360	3,018	1,821	1,397	132	70	59
<b>X. Diseases of the genitourinary system (580-629) .....</b>	<b>40,654</b>	<b>18,168</b>	<b>22,486</b>	<b>33,132</b>	<b>14,718</b>	<b>18,416</b>	<b>6,983</b>	<b>3,165</b>	<b>3,818</b>	<b>158</b>	<b>72</b>	<b>86</b>
Diseases of urinary system (580-589) .....	39,648	17,459	22,189	32,300	14,112	18,188	6,826	3,073	3,753	153	69	84
Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	22,392	10,880	11,512	17,915	8,796	9,120	4,157	1,908	2,249	103	50	53
Acute glomerulonephritis (580) .....	108	53	55	84	40	44	23	13	10	1	-	1
Nephrotic syndrome (581) .....	202	105	97	165	91	74	38	14	22	-	-	-
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) .....	1,521	793	728	1,250	644	606	241	133	108	8	4	4
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589) .....	20,561	9,929	10,632	16,416	8,011	8,405	3,857	1,748	2,109	94	46	48
Infections of kidney (590) .....	1,610	496	1,114	1,415	414	1,001	175	74	101	5	2	3
Urinary calculus (592,594) .....	363	138	225	320	117	203	39	19	20	1	-	1
All other diseases of urinary system (591,593,595-599) .....	15,283	5,945	9,338	12,650	4,795	7,855	2,455	1,072	1,383	44	17	27
Diseases of male genital organs (600-609) .....	708	708	...	603	603	...	92	92	...	3	3	...
Hyperplasia of prostate (600) .....	454	454	...	391	391	...	59	59	...	1	1	...
Other diseases of male genital organs (601-608) .....	254	254	...	212	212	...	34	34	...	2	2	...
Disorders of breast (610-611) .....	35	1	34	30	1	29	5	-	5	-	-	-
Diseases of female genital organs except breast (614-629) .....	263	...	263	199	...	199	60	...	60	2	...	2
<b>XI. Complications of pregnancy, childbirth, and the puerperium (630-676) .....</b>	<b>330</b>	<b>...</b>	<b>330</b>	<b>180</b>	<b>...</b>	<b>180</b>	<b>191</b>	<b>...</b>	<b>131</b>	<b>5</b>	<b>...</b>	<b>5</b>
Pregnancy with abortive outcome (630-639) .....	61	...	61	23	...	23	35	...	35	-	...	-
Ectopic pregnancy (633) .....	44	...	44	18	...	18	24	...	24	-	...	-
Spontaneous abortion (634) .....	3	...	3	1	...	1	2	...	2	-	...	-
Legally induced abortion (635) .....	5	...	5	1	...	1	3	...	3	-	...	-
Illegally induced abortion (636) .....	9	...	9	3	...	3	6	...	6	-	...	-
Other pregnancy with abortive outcome (630-632,637-639) .....	9	...	9	3	...	3	6	...	6	-	...	-
Direct obstetric causes (640-646,651-676) .....	252	...	252	149	...	149	87	...	87	5	...	5
Hemorrhage of pregnancy and childbirth (640-641,666) .....	35	...	35	19	...	19	8	...	8	3	...	3
Toxemia of pregnancy (642.4-642.9,643) .....	58	...	58	36	...	36	21	...	21	-	...	-
Obstructed labor (660) .....	-	...	-	-	...	-	-	...	-	-	...	-
Complications of the puerperium (670-676) .....	110	...	110	64	...	64	41	...	41	1	...	1
Other direct obstetric causes (642.0-642.3,644-645,651-659,661-665,667-669) .....	49	...	49	30	...	30	17	...	17	1	...	1
Indirect obstetric causes (647-648) .....	16	...	16	7	...	7	9	...	9	-	...	-
Delivery in a completely normal case (650) .....	1	...	1	1	...	1	-	...	-	-	...	-
<b>XII. Diseases of the skin and subcutaneous tissue (680-709) .....</b>	<b>3,830</b>	<b>1,395</b>	<b>2,435</b>	<b>2,733</b>	<b>994</b>	<b>1,739</b>	<b>1,059</b>	<b>394</b>	<b>675</b>	<b>13</b>	<b>5</b>	<b>8</b>
Infections of skin and subcutaneous tissue (680-686) .....	791	318	473	666	268	398	119	49	70	4	-	4
All other diseases of skin and subcutaneous tissue (680-709) .....	3,039	1,077	1,962	2,067	726	1,341	940	335	605	9	5	4
<b>XIII. Diseases of the musculoskeletal system and connective tissue (710-739) .....</b>	<b>6,863</b>	<b>1,977</b>	<b>4,886</b>	<b>5,710</b>	<b>1,634</b>	<b>4,076</b>	<b>1,039</b>	<b>307</b>	<b>732</b>	<b>38</b>	<b>11</b>	<b>27</b>
Rheumatoid arthritis and other inflammatory polyarthropathies (714) .....	1,534	412	1,122	1,431	389	1,042	89	18	71	8	3	5
Other arthropathies and related disorders (710-712,715-719) .....	3,216	747	2,469	2,484	609	1,875	658	124	534	18	3	15
Dorsopathies (720-724) .....	207	133	74	166	103	63	38	28	10	-	-	-
Rheumatism, excluding the back (725-729) .....	443	232	211	319	162	157	110	62	48	7	2	5
Osteopathies, chondropathies, and acquired musculoskeletal deformities (730-739) .....	1,463	453	1,010	1,310	371	939	144	75	69	5	3	2

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Table 1-25. Deaths From 282 Selected Causes, by Specified Race or National Origin and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix.]

Cause of death	Chinese			Japanese			Filipino			Other Asian or Pacific Islander <sup>2</sup>			Other		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Chronic obstructive pulmonary diseases and allied conditions-Con.															
Bronchiectasis and extrinsic allergic alveolitis (494-495) .....	7	5	2	7	3	4	4	-	4	15	6	9	-	-	-
Chronic airways obstruction, not elsewhere classified (496) .....	82	65	17	51	34	17	80	65	15	78	44	34	2	1	1
Pneumococcoses and other lung diseases due to external agents (500-508) .....	27	16	11	31	22	9	7	4	3	18	10	8	1	1	-
Empyema and abscess of lung and mediastinum (510,513) .....	2	-	2	-	-	-	2	1	1	3	2	1	-	-	-
Flourishy (511) .....	4	2	2	1	-	1	2	1	1	2	1	1	-	-	-
All other diseases of respiratory system (512,514-519) .....	27	17	10	34	15	19	43	26	17	40	20	20	3	-	3
<b>IX. Diseases of the digestive system (520-579) .....</b>	<b>155</b>	<b>101</b>	<b>54</b>	<b>128</b>	<b>65</b>	<b>63</b>	<b>121</b>	<b>69</b>	<b>32</b>	<b>248</b>	<b>153</b>	<b>95</b>	<b>9</b>	<b>3</b>	<b>6</b>
Diseases of oral cavity, salivary glands, and jaws (520-529) .....	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Diseases of other parts of the digestive system (530-579) .....	155	101	54	128	65	63	121	69	32	247	153	94	9	3	6
Ulcer of stomach and duodenum (531-533) .....	22	15	7	12	6	6	15	11	4	20	11	9	-	-	-
Gastric ulcer (531) .....	10	6	4	7	3	4	4	4	-	6	4	2	-	-	-
Duodenal ulcer (532) .....	9	7	2	1	1	-	2	2	-	10	5	6	-	-	-
Peptic ulcer, site unspecified (533) .....	3	2	1	4	2	2	9	5	4	4	2	2	-	-	-
Gastritis and duodenitis (535) .....	-	-	-	1	1	-	1	1	-	1	1	-	-	-	-
Appendicitis (540-543) .....	-	-	-	-	-	-	2	2	-	4	1	3	-	-	-
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	10	7	3	8	3	5	-	-	-	2	2	2	1	1	-
Regional enteritis and idiopathic proctocolitis (555-556) .....	-	-	-	-	-	-	1	1	-	4	2	2	-	-	-
All other noninfective gastroenteritis and colitis (557-559) .....	8	4	4	17	8	9	14	9	5	13	8	5	-	-	-
Diverticula of intestine (562) .....	3	2	1	2	1	1	1	1	-	3	2	1	1	1	1
Chronic liver disease and cirrhosis (571) .....	38	26	12	40	21	19	32	22	10	113	76	37	4	1	3
Chronic liver disease and cirrhosis, specified as alcoholic (571.0-571.3) .....	4	3	1	9	8	1	9	9	-	33	26	7	3	1	2
Chronic hepatitis and biliary cirrhosis (571.4,571.6) .....	10	9	1	4	1	3	5	1	4	18	10	8	-	-	-
Cirrhosis of liver and other and unspecified chronic liver disease without mention of alcohol (571.5,571.8-571.9) .....	24	14	10	27	12	15	18	12	6	62	40	22	1	-	1
Cholelithiasis and other disorders of gallbladder (574-575) .....	12	9	3	9	4	5	6	5	1	13	7	6	-	-	-
All other diseases of digestive system (530,534,536-537,564-570,572-573,576-579) .....	62	38	24	39	21	18	49	37	12	74	43	31	3	1	2
<b>X. Diseases of the genitourinary system (580-629) .....</b>	<b>129</b>	<b>75</b>	<b>54</b>	<b>61</b>	<b>25</b>	<b>36</b>	<b>75</b>	<b>51</b>	<b>24</b>	<b>111</b>	<b>60</b>	<b>51</b>	<b>5</b>	<b>4</b>	<b>1</b>
Diseases of urinary system (580-599) .....	124	72	52	60	24	36	73	49	24	107	56	51	5	4	1
Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	83	52	31	29	16	13	45	34	11	57	32	25	3	2	1
Acute glomerulonephritis (580) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nephrotic syndrome (581) .....	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) .....	8	5	3	6	5	1	5	2	3	3	-	3	-	-	-
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,589-599) .....	75	47	28	23	11	12	40	32	8	53	32	21	3	2	1
Infections of kidney (590) .....	6	2	4	2	-	2	3	2	1	4	2	2	-	-	-
Urinary calculus (592,594) .....	1	1	-	1	1	-	1	-	1	-	-	-	-	-	-
All other diseases of urinary system (591,593,595-599) .....	34	17	17	28	7	21	24	13	11	46	22	24	2	2	-
Diseases of male genital organs (600-608) .....	3	3	...	1	1	...	2	2	...	4	4	...	-	-	...
Hyperplasia of prostate (600) .....	3	3	...	...	...	...	...	...	...	1	1	...	-	-	...
Other diseases of male genital organs (601-608) .....	-	-	...	1	1	...	2	2	...	3	3	...	-	-	...
Disorders of breast (610-611) .....	-	-	...	-	-	-	-	-	-	-	-	-	-	-	...
Diseases of female genital organs except breast (614-629) .....	2	...	2	-	...	-	-	...	-	-	...	-	-	...	-
<b>XI. Complications of pregnancy, childbirth, and the puerperium (630-676) .....</b>	<b>2</b>	<b>...</b>	<b>2</b>	<b>1</b>	<b>...</b>	<b>1</b>	<b>2</b>	<b>...</b>	<b>2</b>	<b>8</b>	<b>...</b>	<b>8</b>	<b>1</b>	<b>...</b>	<b>1</b>
Pregnancy with abortive outcome (630-638) .....	1	...	1	1	...	1	-	...	-	1	...	1	-	...	-
Ectopic pregnancy (633) .....	1	...	1	-	...	-	-	...	-	1	...	1	-	...	-
Spontaneous abortion (634) .....	-	...	-	-	...	-	-	...	-	-	...	-	-	...	-
Legally induced abortion (635) .....	-	...	-	1	...	1	-	...	-	-	...	-	-	...	-
Illegally induced abortion (636) .....	-	...	-	-	...	-	-	...	-	-	...	-	-	...	-
Other pregnancy with abortive outcome (630-632,637-638) .....	-	...	-	-	...	-	-	...	-	-	...	-	-	...	-
Direct obstetric causes (640-646,651-676) .....	1	...	1	-	...	-	2	...	2	7	...	7	1	...	1
Hemorrhage of pregnancy and childbirth (640-641,666) .....	-	...	-	-	...	-	1	...	1	3	...	3	1	...	1
Toxemia of pregnancy (642.4-642.9,643) .....	-	...	-	-	...	-	1	...	1	-	...	-	-	...	-
Obstructed labor (660) .....	-	...	-	-	...	-	-	...	-	-	...	-	-	...	-
Complications of the puerperium (670-676) .....	1	...	1	-	...	-	-	...	-	3	...	3	-	...	-
Other direct obstetric causes (642.0-642.3,644-646,651-659,661-665,667-669) .....	-	...	-	-	...	-	-	...	-	1	...	1	-	...	-
Indirect obstetric causes (647-648) .....	-	...	-	-	...	-	-	...	-	-	...	-	-	...	-
Delivery in a completely normal case (650) .....	-	...	-	-	...	-	-	...	-	-	...	-	-	...	-
<b>XII. Diseases of the skin and subcutaneous tissue (680-709) .....</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>5</b>	<b>1</b>	<b>9</b>	<b>3</b>	<b>6</b>	<b>-</b>	<b>-</b>	<b>-</b>
Infections of skin and subcutaneous tissue (680-686) .....	-	-	-	-	-	-	1	1	-	1	-	1	-	-	-
All other diseases of skin and subcutaneous tissue (690-709) .....	5	3	2	5	1	4	5	4	1	8	3	5	-	-	-
<b>XIII. Diseases of the musculoskeletal system and connective tissue (710-739) .....</b>	<b>15</b>	<b>1</b>	<b>14</b>	<b>19</b>	<b>7</b>	<b>12</b>	<b>16</b>	<b>7</b>	<b>9</b>	<b>26</b>	<b>10</b>	<b>16</b>	<b>-</b>	<b>-</b>	<b>-</b>
Rheumatoid arthritis and other inflammatory polyarthropathies (714) .....	1	-	1	4	2	2	1	-	1	-	-	-	-	-	-
Other arthropathies and related disorders (710-712,715-719) .....	14	1	13	10	1	9	12	4	8	20	5	15	-	-	-
Dorsopathies (720-724) .....	-	-	-	2	1	1	1	1	-	-	-	-	-	-	-
Rheumatism, excluding the back (725-729) .....	-	-	-	1	1	-	1	1	-	5	4	1	-	-	-
Osteopathies, chondropathies, and acquired musculoskeletal deformities (730-739) .....	-	-	-	2	2	-	1	1	-	1	1	-	-	-	-



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Table 1-25. Deaths From 282 Selected Causes, by Specified Race or National Origin and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	All races			White			Black			American Indian		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
XIV. Congenital anomalies (740-759) .....	12,753	6,775	5,978	10,334	5,491	4,843	2,019	1,089	950	102	52	50
Spina bifida (741) .....	167	75	92	142	60	82	24	14	10	-	-	-
All other congenital anomalies of nervous system (740,742) .....	1,551	796	815	1,278	601	677	221	107	114	15	4	11
Congenital anomalies of heart (745-746) .....	4,570	2,487	2,083	3,737	2,037	1,700	886	363	323	35	20	15
Other congenital anomalies of circulatory system (747) .....	1,249	640	609	871	498	473	234	123	111	7	4	3
All other congenital anomalies (743-744,748-759) .....	5,216	2,837	2,379	4,206	2,295	1,911	854	462	392	45	24	21
XV. Certain conditions originating in the perinatal period (760-779) .....	18,220	10,393	7,827	11,192	6,485	4,707	6,614	3,693	2,921	124	65	59
Birth trauma (767) .....	226	130	96	158	87	71	59	39	20	3	2	1
Intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (768-769) .....	3,996	2,378	1,618	2,703	1,660	1,043	1,197	664	533	31	21	10
Other conditions originating in the perinatal period (760-766,770-779) .....	13,998	7,885	6,113	8,331	4,738	3,593	5,358	2,990	2,368	90	42	48
XVI. Symptoms, signs, and ill-defined conditions (780-799) .....	30,851	16,969	13,882	24,060	12,947	11,113	6,353	3,692	2,661	228	132	96
Senility without mention of psychosis (797) .....	1,414	397	1,017	1,255	335	920	146	55	91	9	5	4
Symptoms, signs, and other ill-defined conditions (780-796,798-799) .....	29,537	16,572	12,965	22,805	12,612	10,193	6,207	3,637	2,570	219	127	92
Supplementary classification of external causes of injury and poisoning (E800-E999) .....	152,572	108,819	43,753	122,197	86,029	36,168	26,627	20,114	6,513	1,700	1,286	404
Accidents and adverse effects (E800-E949) .....	97,100	65,821	31,279	81,091	54,435	26,656	13,487	9,898	3,879	1,206	900	306
Transport accidents (E800-E848) .....	51,855	36,656	15,199	44,387	31,198	13,189	5,905	4,389	1,515	734	537	197
Railway accidents (E800-E807) .....	571	514	57	426	392	44	120	108	12	21	21	-
Motor vehicle accidents (E810-E825) .....	49,078	34,258	14,820	41,974	29,127	12,847	5,823	4,139	1,484	688	492	196
Motor vehicle traffic accidents (E810-E819) .....	48,024	33,481	14,563	41,024	28,418	12,616	5,558	4,086	1,472	655	470	185
Involving collision with train (E810) .....	838	441	197	574	394	180	56	42	14	4	3	1
Involving collision with another motor vehicle (E811-E812) .....	18,333	11,611	6,722	16,120	10,158	5,962	1,721	1,146	575	183	111	72
Involving collision with pedestrian (E814) .....	7,193	4,987	2,206	5,534	3,783	1,771	1,357	1,015	342	142	118	24
Involving collision with other vehicle or object (E813,E815) .....	7,584	5,952	1,632	6,512	5,087	1,425	889	790	159	85	66	19
Not involving collision on highway (E816-E818) .....	8,128	6,934	2,194	7,903	5,999	1,904	914	717	197	183	132	51
Motor vehicle traffic accident of unspecified nature (E819) .....	5,148	3,536	1,612	4,391	3,017	1,374	621	436	185	58	40	18
Motor vehicle nontraffic accidents (E820-E825) .....	1,054	797	257	940	709	231	65	53	12	33	22	11
Other road vehicle accidents (E826-E829) .....	191	120	71	178	108	70	7	6	1	3	3	-
Water transport accidents (E830-E838) .....	979	887	92	799	728	71	138	122	17	20	19	1
Air and space transport accidents (E840-E845) .....	1,012	858	154	987	835	152	16	14	2	2	2	-
Vehicle accidents not elsewhere classifiable (E846-E848) .....	24	19	5	23	18	5	-	-	-	-	-	-
Accidental poisoning (E850-E869) .....	6,226	4,461	1,765	4,764	3,425	1,339	1,364	967	397	60	40	20
Accidental poisoning by drugs, medicaments, and biologicals (E850-E858) .....	4,865	3,441	1,424	3,740	2,642	1,098	1,072	760	312	24	18	6
Accidental poisoning by other solid or liquid substances (E860-E866) .....	488	370	118	333	255	78	124	93	31	28	19	9
Accidental poisoning by gases and vapors (E867-E868) .....	873	650	223	691	528	163	168	114	54	8	3	5
Misadventures during medical care, abnormal reactions, and late complications (E870-E879) .....	2,858	1,959	1,499	2,367	1,132	1,235	453	212	241	12	4	8
Accidental falls (E880-E888) .....	12,096	6,303	5,793	10,886	5,498	5,388	1,017	678	339	63	44	19
Fall from one level to another (E880-E884) .....	3,317	2,376	941	2,855	2,010	845	376	300	76	32	26	6
Fall on same level (E885-E888) .....	433	212	221	408	204	204	23	7	16	1	1	-
Fracture, cause unspecified, and other and unspecified falls (E887-E888) .....	8,348	3,715	4,631	7,623	3,284	4,339	618	371	247	30	17	13
Accidents caused by fire and flames (E890-E899) .....	4,965	3,067	1,898	3,305	2,025	1,280	1,582	986	596	46	35	11
Other accidents, including late effects (E900-E929) .....	18,920	13,880	5,040	15,232	11,080	4,152	3,139	2,361	778	290	239	51
Lightning (E907) .....	82	66	16	71	59	12	9	6	3	2	1	1
Accidental drowning and submersion (E910) .....	4,199	3,346	853	3,187	2,507	680	821	685	136	76	66	10
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	3,805	1,982	1,813	3,169	1,622	1,547	570	329	241	31	19	12
Accident caused by handgun (E922.0) .....	202	172	30	160	137	23	35	29	6	4	3	1
Accidents caused by all other and unspecified firearms (E922.1-E922.9) .....	1,289	1,132	167	1,028	904	124	231	194	37	29	25	4
Accident caused by explosive material (E923) .....	193	172	21	169	151	18	22	19	3	1	1	-
Accident caused by hot substance or object, caustic or corrosive material, steam, and exposure to radiation (E924,E926) .....	122	65	57	92	51	41	28	13	15	-	-	-
Accident caused by electric current (E925) .....	714	673	41	656	620	36	50	45	5	2	2	-
All other accidents and late effects of accidental injury (E900-E906,E908-E909, E913-E921,E927-E928) .....	8,304	6,262	2,042	6,700	5,029	1,671	1,373	1,041	332	145	122	23
Drugs, medicaments, and biological substances causing adverse effects in therapeutic use (E930-E949) .....	180	95	85	150	77	73	27	15	12	1	1	-
Suicide (E950-E959) .....	30,407	24,078	6,329	27,790	21,980	5,810	2,022	1,648	374	228	192	36
Suicide by drugs, medicaments, and biologicals (E950.0-E950.5) .....	2,910	1,267	1,643	2,694	1,172	1,522	187	71	96	18	5	13
Suicide by other solid or liquid substances (E950.6-E950.9) .....	223	157	66	200	139	61	15	12	3	1	-	1
Suicide by gases and vapors (E951-E952) .....	2,692	1,979	713	2,623	1,930	693	52	38	14	4	2	2
Suicide by hanging, strangulation, and suffocation (E953) .....	4,375	3,588	787	3,807	3,115	692	376	346	30	63	56	7
Suicide by handgun (E955.0) .....	3,197	2,650	547	2,952	2,449	513	176	151	25	23	17	6
Suicide by all other and unspecified firearms (E955.1-E955.4) .....	14,972	13,006	1,966	13,763	11,957	1,806	1,008	864	142	111	105	6
Suicide by all other means and late effects of self-inflicted injury (E954,E955.5-E959) .....	2,038	1,431	607	1,741	1,218	523	230	168	64	8	7	1
Homicide and legal intervention (E960-E978) .....	22,032	16,712	5,320	11,066	7,994	3,072	10,403	8,314	2,089	228	178	50
Assault by handgun (E965.0) .....	1,055	813	242	578	415	163	448	380	68	9	6	3
Assault by all other and unspecified firearms (E965.1-E965.4) .....	12,590	10,321	2,269	5,897	4,589	1,298	6,427	5,519	914	80	64	16
Assault by cutting and piercing instrument (E966) .....	3,939	2,946	993	1,890	1,370	520	1,345	1,503	442	55	45	10
Assault by all other means and late effects of injury purposely inflicted by other person (E960-E964,E965.5-E965.9,E967-E968) .....	4,200	2,392	1,808	2,537	1,453	1,084	1,507	843	664	79	58	21

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Table 1-25. Deaths From 282 Selected Causes, by Specified Race or National Origin and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	Chinese			Japanese			Filipino			Other Asian or Pacific Islander <sup>a</sup>			Other		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
XIV. Congenital anomalies (740-750) .....	50	27	23	24	14	10	53	31	22	163	83	80	8	8	-
Spina bifida (741) .....	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
All other congenital anomalies of nervous system (740,742) .....	6	3	3	1	-	1	8	6	2	20	13	7	2	2	-
Congenital anomalies of heart (745-746) .....	18	11	7	12	9	3	17	11	6	63	34	29	2	2	-
Other congenital anomalies of circulatory system (747) .....	12	4	8	3	1	2	5	2	3	16	7	9	1	1	-
All other congenital anomalies (743-744,748-750) .....	14	9	5	6	4	4	22	11	11	64	29	35	3	3	-
XV. Certain conditions originating in the perinatal period (760-779) .....	30	19	11	16	6	10	39	20	19	198	100	88	7	5	2
Birth trauma (767) .....	-	-	-	2	1	1	1	1	-	3	-	3	-	-	-
Intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (768-769) .....	2	1	1	2	-	2	5	3	2	56	29	27	-	-	-
Other conditions originating in the perinatal period (760-766,770-779) .....	28	18	10	12	5	7	33	16	17	139	71	68	7	5	2
XVI. Symptoms, signs, and ill-defined conditions (780-799) .....	45	31	14	35	22	13	44	28	16	183	114	68	3	3	-
Senility without mention of psychosis (797) .....	-	-	-	1	-	1	1	1	-	2	1	1	-	-	-
Symptoms, signs, and other ill-defined conditions (780-796,798-799) .....	45	31	14	34	22	12	43	27	16	181	113	68	3	3	-
Supplementary classification of external causes of injury and poisoning (E800-E999) .....	419	267	152	224	148	76	308	203	105	1,067	738	329	30	24	6
Accidents and adverse effects (E800-E949) .....	255	157	98	149	97	52	218	145	73	675	465	210	19	14	5
Transport accidents (E800-E848) .....	136	80	56	74	48	26	133	75	58	470	316	154	16	13	3
Railway accidents (E800-E807) .....	1	1	-	-	-	-	1	1	-	2	1	1	-	-	-
Motor vehicle accidents (E810-E825) .....	129	73	56	69	43	26	126	68	58	454	304	150	15	12	3
Motor vehicle traffic accidents (E810-E819) .....	126	71	55	69	43	26	122	65	57	446	297	149	14	11	3
Involving collision with train (E810) .....	-	-	-	1	-	1	-	-	-	3	2	1	-	-	-
Involving collision with another motor vehicle (E811-E812) .....	51	28	23	27	17	10	52	31	21	176	118	58	3	2	1
Involving collision with pedestrian (E814) .....	40	20	20	19	11	8	28	12	16	70	46	24	3	2	1
Involving collision with other vehicle or object (E813,E815) .....	12	9	3	8	6	2	10	8	2	67	45	22	1	1	-
Not involving collision on highway (E816-E818) .....	13	11	2	9	6	3	22	11	11	77	52	25	7	6	1
Motor vehicle traffic accident of unspecified nature (E819) .....	10	3	7	5	3	2	10	3	7	53	34	19	-	-	-
Motor vehicle nontraffic accidents (E820-E825) .....	3	2	1	-	-	-	4	3	1	8	7	1	1	1	-
Other road vehicle accidents (E826-E829) .....	1	1	-	-	-	-	1	1	-	1	1	-	-	-	-
Water transport accidents (E830-E838) .....	4	4	-	1	1	-	4	4	-	11	8	3	1	1	-
Air and space transport accidents (E840-E845) .....	1	1	-	4	4	-	-	-	-	2	2	-	-	-	-
Vehicle accidents not elsewhere classifiable (E846-E848) .....	1	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Accidental poisoning (E850-E869) .....	6	4	2	8	6	2	9	8	1	15	11	4	-	-	-
Accidental poisoning by drugs, medicaments, and biologicals (E850-E858) .....	5	3	2	7	5	2	8	7	1	9	6	3	-	-	-
Accidental poisoning by other solid or liquid substances (E860-E866) .....	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-
Accidental poisoning by gases and vapors (E867-E869) .....	1	1	-	1	1	-	1	1	-	3	2	1	-	-	-
Misadventures during medical care, abnormal reactions, and late complications (E870-E879) .....	3	1	2	9	3	6	4	3	1	9	4	5	1	-	1
Accidental falls (E880-E888) .....	41	23	18	23	13	10	25	18	7	40	28	12	1	1	-
Fall from one level to another (E880-E884) .....	11	7	4	9	6	3	11	9	2	23	18	5	-	-	-
Fall on same level (E885-E886) .....	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Fracture, cause unspecified, and other and unspecified falls (E887-E888) .....	30	16	14	14	7	7	14	9	5	16	10	6	1	1	-
Accidents caused by fire and flames (E890-E899) .....	8	7	1	5	2	3	6	4	2	12	8	4	1	-	1
Other accidents, including late effects (E900-E929) .....	61	42	19	30	25	5	41	37	4	127	96	31	-	-	-
Lightning (E907) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental drowning and submersion (E910) .....	19	14	5	8	7	1	15	14	1	73	53	20	-	-	-
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	13	5	8	5	4	1	7	6	1	10	7	3	-	-	-
Accident caused by handgun (E922.0) .....	-	-	-	1	1	-	2	2	-	-	-	-	-	-	-
Accidents caused by all other and unspecified firearms (E922.1-E922.9) .....	3	2	1	1	-	1	3	3	-	4	4	-	-	-	-
Accident caused by explosive material (E923) .....	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Accident caused by hot substance or object, caustic or corrosive material, steam, and exposure to radiation (E924,E926) .....	1	1	-	-	-	-	-	-	-	1	-	1	-	-	-
Accident caused by electric current (E925) .....	2	2	-	-	-	-	1	1	-	3	3	-	-	-	-
All other accidents and late effects of accidental injury (E900-E906,E908-E909, E913-E921,E927-E929) .....	23	18	5	15	13	2	12	10	2	36	29	7	-	-	-
Drugs, medicaments, and biological substances causing adverse effects in therapeutic use (E930-E949) .....	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-
Suicide (E950-E959) .....	90	53	37	53	39	14	40	29	11	181	134	47	3	3	-
Suicide by drugs, medicaments, and biologicals (E950.0-E950.5) .....	9	5	4	4	2	2	1	1	-	17	11	6	-	-	-
Suicide by other solid or liquid substances (E950.6-E950.9) .....	-	-	-	3	2	1	1	1	-	3	3	-	-	-	-
Suicide by gases and vapors (E951-E952) .....	2	2	-	4	3	1	1	1	-	6	3	3	-	-	-
Suicide by hanging, strangulation, and suffocation (E953) .....	36	11	25	16	11	5	10	6	4	66	42	24	1	1	-
Suicide by handgun (E955.0) .....	6	6	-	6	6	-	9	7	2	15	14	1	-	-	-
Suicide by all other and unspecified firearms (E955.1-E955.4) .....	14	11	3	16	14	2	15	12	3	45	41	4	2	2	-
Suicide by all other means and late effects of self-inflicted injury (E954,E955.5-E959) .....	23	18	5	4	1	3	3	1	2	29	20	9	-	-	-
Homicide and legal intervention (E960-E978) .....	67	51	16	18	10	8	47	28	19	198	132	66	5	5	-
Assault by handgun (E965.0) .....	1	1	-	1	-	1	4	1	3	14	10	4	-	-	-
Assault by all other and unspecified firearms (E965.1-E965.4) .....	46	39	7	9	7	2	24	18	6	104	78	26	3	3	-
Assault by cutting and piercing instrument (E966) .....	5	5	-	2	1	1	9	4	5	32	17	15	1	1	-
Assault by all other means and late effects of injury purposely inflicted by other person (E960-E964,E965.5-E965.9,E967-E969) .....	14	5	9	8	2	4	10	5	5	47	26	21	-	-	-

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Table 1-25. Deaths From 282 Selected Causes, by Specified Race or National Origin and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	All races			White			Black			American Indian 1		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Homicide and legal intervention-Con.												
Legal execution (E978) .....	11	11	-	6	6	-	5	5	-	-	-	-
Other legal intervention and late effects of injury due to legal intervention (E970-E977) .....	237	229	8	158	151	7	71	70	1	5	5	-
Injury undetermined whether accidentally or purposely inflicted (E980-E989) .....	3,018	2,193	825	2,237	1,607	630	713	542	171	38	28	12
From poisoning by drugs, medicaments, and biologicals (E980.0-E980.5) .....	1,228	850	378	937	631	306	285	216	69	3	1	2
From poisoning by other solid or liquid substances (E980.6-E980.9) .....	57	47	10	45	38	7	10	8	2	1	-	1
From injury by handgun (E985.0) .....	58	40	18	49	32	17	9	8	1	-	-	-
From injury by all other and unspecified firearms (E985.1-E985.4) .....	384	315	69	301	243	58	73	64	9	5	4	1
From injury by all other means and late effects of injury, undetermined whether accidentally or purposely inflicted (E981-E984, E985.5-E989) .....	1,291	941	350	905	663	242	336	246	90	29	21	8
Injury resulting from operations of war (E990-E999) .....	15	15	-	13	13	-	2	2	-	-	-	-

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Table 1-25. Deaths From 282 Selected Causes, by Specified Race or National Origin and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	Chinese			Japanese			Filipino			Other Asian or Pacific Islander <sup>1</sup>			Other		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Homicide and legal intervention-Con.															
Legal execution (E876) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other legal intervention and late effects of injury due to legal intervention (E870-E977) .....	1	1	-	-	-	-	-	-	-	1	1	-	1	1	-
Injury undetermined whether accidentally or purposely inflicted (E980-E989) .....	7	6	1	4	2	2	3	1	2	13	7	6	3	2	1
From poisoning by drugs, medicaments, and biologicals (E980.0-E980.5) .....	1	1	-	1	1	-	1	-	1	-	-	-	-	-	-
From poisoning by other solid or liquid substances (E980.6-E980.9) .....	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
From injury by handgun (E985.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
From injury by all other and unspecified firearms (E985.1-E985.4) .....	3	3	-	-	-	-	1	1	-	1	-	1	-	-	-
From injury by all other means and late effects of injury, undetermined whether accidentally or purposely inflicted (E981-E984, E985.5-E989) .....	3	2	1	3	1	2	1	-	1	11	6	5	3	2	1
Injury resulting from operations of war (E990-E998) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

<sup>1</sup> Includes deaths among Aleuts and Eskimos.  
<sup>2</sup> Includes deaths among Hawaiians and Part-Hawaiians.

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
All causes	2,167,989	38,910	2,898	1,904	1,470	1,157	46,339	4,357	4,568	16,031	22,136	26,809	32,328	36,616
All races, male	1,125,540	22,007	1,588	1,108	854	671	26,228	2,574	2,807	11,887	16,844	19,653	23,392	25,433
All races, female	1,042,459	16,903	1,310	796	616	486	20,111	1,783	1,661	4,344	5,292	7,156	8,996	11,183
White, male	965,419	14,678	1,147	819	621	486	17,951	1,888	2,249	9,033	12,589	14,485	16,869	18,285
White, female	911,487	11,047	859	554	448	346	13,354	1,304	1,212	3,505	3,913	5,025	6,162	7,758
Black, male	144,226	6,503	401	249	189	167	7,519	592	581	2,312	3,744	4,677	5,967	6,832
Black, female	119,791	5,337	297	211	139	121	6,105	405	386	686	1,233	1,929	2,589	3,131
I. Infectious and parasitic diseases (001-139)	48,093	740	183	89	73	49	1,134	160	89	180	721	2,630	4,495	4,489
All races, male	29,922	412	102	45	42	26	627	70	62	97	543	2,209	3,788	3,877
All races, female	18,171	328	81	44	31	23	507	90	37	83	178	421	707	612
White, male	22,207	284	59	31	28	20	402	44	63	88	348	1,504	2,553	2,628
White, female	13,964	188	55	23	19	16	301	51	27	54	90	206	306	273
Black, male	7,263	136	41	12	13	5	207	21	8	24	185	686	1,193	1,204
Black, female	3,940	194	25	10	11	7	196	25	10	25	87	211	390	330
Intestinal infectious diseases (001-009)	291	93	4	3	2	-	102	3	2	3	2	3	5	3
All races, male	175	49	2	2	1	-	54	3	2	3	2	3	3	2
All races, female	216	44	2	1	1	-	48	-	-	-	-	-	2	1
White, male	127	23	2	2	1	-	28	2	1	2	2	3	1	2
White, female	173	25	1	-	1	-	27	-	-	-	-	-	2	1
Black, male	39	25	-	-	-	-	25	-	-	-	-	-	2	-
Black, female	37	19	1	1	-	-	21	-	-	-	-	-	-	-
Cholera and typhoid and paratyphoid fevers (001-002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shigellosis (004)	8	1	-	1	-	-	2	1	2	-	-	-	-	-
All races, male	3	-	-	-	-	-	-	1	2	-	-	-	-	-
All races, female	5	1	-	1	-	-	2	-	-	-	-	-	-	-
White, male	1	-	-	-	-	-	-	-	1	-	-	-	-	-
White, female	3	1	-	-	-	-	1	-	-	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	1	-	-	1	-	-	1	-	-	-	-	-	-	-
Other salmonella infections and other food poisoning (bacterial) (003,005)	71	7	-	-	-	-	7	-	-	-	-	2	2	1
All races, male	37	3	-	-	-	-	3	-	-	-	-	2	1	1
All races, female	34	4	-	-	-	-	4	-	-	-	-	-	1	-
White, male	28	1	-	-	-	-	1	-	-	-	-	2	-	1
White, female	27	1	-	-	-	-	1	-	-	-	-	-	1	-
Black, male	10	2	-	-	-	-	2	-	-	-	-	-	1	-
Black, female	7	3	-	-	-	-	3	-	-	-	-	-	-	-
Amebiasis (006)	7	-	-	-	-	-	-	-	-	-	-	-	-	1
All races, male	2	-	-	-	-	-	-	-	-	-	-	-	-	1
All races, female	5	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	1	-	-	-	-	-	-	-	-	-	-	-	-	1
White, female	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal infections due to other specified organisms (007-008)	154	12	4	-	2	-	18	2	-	1	1	-	2	-
All races, male	83	6	2	-	1	-	9	2	-	1	1	-	2	-
All races, female	81	6	2	-	1	-	9	-	-	-	-	-	-	-
White, male	56	4	2	-	1	-	7	2	-	1	1	-	1	-
White, female	81	5	1	-	1	-	7	-	-	-	-	-	-	-
Black, male	6	2	-	-	-	-	2	-	-	-	-	-	1	-
Black, female	8	1	1	-	-	-	2	-	-	-	-	-	-	-
Ill-defined intestinal infections (009)	151	73	-	2	-	-	75	-	-	2	1	1	1	1
All races, male	70	40	-	2	-	-	42	-	-	2	1	1	-	1
All races, female	81	33	-	-	-	-	33	-	-	-	-	-	1	1
White, male	43	18	-	2	-	-	20	-	-	1	1	1	-	1
White, female	59	18	-	-	-	-	18	-	-	-	-	-	1	1
Black, male	23	21	-	-	-	-	21	-	-	-	-	-	-	-
Black, female	20	15	-	-	-	-	15	-	-	-	-	-	-	-
Tuberculosis (010-018)	1,921	2	2	-	-	1	5	1	-	4	24	39	67	101
All races, male	1,221	-	1	-	-	-	1	1	-	2	10	20	47	66
All races, female	700	2	1	-	-	1	4	-	-	2	14	19	20	33
White, male	730	-	-	-	-	-	-	-	-	-	5	7	21	18
White, female	442	1	1	-	-	1	3	-	-	-	5	9	3	9
Black, male	422	-	1	-	-	-	1	1	-	-	1	12	24	46
Black, female	219	1	-	-	-	-	1	-	-	2	9	13	15	24
Tuberculosis of respiratory system (010-012)	1,488	-	-	-	-	1	1	-	-	2	10	19	41	73
All races, male	966	-	-	-	-	-	-	-	-	-	5	11	28	50
All races, female	502	-	-	-	-	1	1	-	-	2	5	8	13	23
White, male	611	-	-	-	-	-	-	-	-	-	3	2	15	15
White, female	346	-	-	-	-	1	1	-	-	-	1	4	2	6
Black, male	319	-	-	-	-	-	-	-	-	-	2	9	11	32
Black, female	135	-	-	-	-	-	-	-	-	2	4	4	10	16
Other tuberculosis (013-018)	433	2	2	-	-	-	4	1	-	2	14	20	26	28
All races, male	235	-	1	-	-	-	1	1	-	2	5	9	19	18
All races, female	198	2	1	-	-	-	3	-	-	9	11	7	10	3
White, male	119	-	-	-	-	-	-	-	-	-	2	5	5	3
White, female	98	1	1	-	-	-	2	-	-	4	2	1	2	2
Black, male	103	-	-	-	-	-	1	1	-	1	3	3	13	14
Black, female	84	1	-	-	-	-	1	-	-	5	9	5	5	6

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
All causes	40,838	49,684	67,788	105,363	164,386	221,504	267,041	302,580	299,334	242,474	149,798	56,229	11,209	567
All races, male	27,001	31,597	42,318	65,184	100,174	131,931	151,970	158,882	136,059	80,412	45,009	13,847	2,281	417
All races, female	13,837	18,087	25,470	40,189	64,212	89,573	115,071	143,818	163,275	152,062	104,789	42,382	8,918	170
White, male	20,454	24,324	33,489	53,910	85,141	114,474	135,187	142,069	123,668	82,721	41,775	12,652	1,894	312
White, female	10,263	13,819	19,807	32,379	53,216	76,296	100,679	127,853	148,564	140,652	98,298	39,482	7,832	114
Black, male	6,011	6,641	6,040	10,280	13,727	15,850	15,139	14,811	10,811	6,596	2,816	1,070	336	86
Black, female	3,251	3,840	5,111	7,104	10,042	12,234	13,238	14,811	13,588	10,496	5,822	2,639	1,000	51
I. Infectious and parasitic diseases (001-139)	3,315	2,222	1,902	1,067	2,441	3,000	3,677	4,278	4,510	3,717	2,304	804	140	9
All races, male	2,852	1,843	1,457	1,258	1,467	1,699	2,003	2,087	1,861	1,268	612	201	35	6
All races, female	463	379	445	609	974	1,301	1,674	2,191	2,658	2,449	1,692	603	105	3
White, male	2,036	1,330	1,046	914	1,138	1,336	1,652	1,748	1,591	1,080	518	177	26	5
White, female	235	214	287	427	732	1,022	1,370	1,798	2,297	2,149	1,504	536	82	1
Black, male	790	492	385	314	306	323	320	298	244	153	80	22	7	1
Black, female	219	151	141	166	216	259	277	371	329	279	179	64	21	2
Intestinal infectious diseases (001-009)	5	6	10	12	12	19	30	48	41	39	32	11	3	-
All races, male	3	4	6	6	5	9	11	23	15	12	7	2	-	-
All races, female	2	2	4	6	7	10	19	25	26	27	25	9	3	-
White, male	-	3	6	5	5	8	10	19	14	8	7	2	-	-
White, female	2	1	3	5	5	6	17	19	25	26	23	9	3	-
Black, male	3	1	-	1	-	-	1	3	-	3	-	-	-	-
Black, female	-	-	-	1	2	3	1	7	-	-	2	-	-	-
Cholera and typhoid and paratyphoid fevers (001-002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shigellosis (004)	-	-	1	-	-	-	-	1	-	-	-	1	-	-
All races, male	-	-	1	-	-	-	-	-	-	-	-	-	-	-
All races, female	-	-	1	-	-	-	-	1	-	-	-	1	-	-
White, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other salmonella infections and other food poisoning (bacterial) (003,005)	2	1	5	2	6	2	7	15	6	5	5	2	1	-
All races, male	2	1	4	2	4	1	3	9	2	3	1	-	-	-
All races, female	-	-	1	-	2	1	4	6	4	2	4	2	1	-
White, male	-	-	4	1	2	-	3	7	2	2	1	-	-	-
White, female	-	-	1	-	2	1	4	4	4	2	4	2	1	-
Black, male	2	1	-	1	-	-	-	2	-	1	-	-	-	-
Black, female	-	-	-	-	2	-	-	2	-	-	-	-	-	-
Amebiasis (006)	-	1	1	-	-	-	-	1	1	2	-	-	-	-
All races, male	-	1	1	-	-	-	-	-	1	2	-	-	-	-
All races, female	-	-	-	-	-	-	-	1	1	2	-	-	-	-
White, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	-	-	-	-	-	-	-	-	1	2	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Intestinal infections due to other specified organisms (007-009)	3	2	1	4	3	11	11	21	23	21	23	6	1	-
All races, male	1	2	1	1	2	4	4	10	9	8	5	1	-	-
All races, female	2	-	-	3	1	7	7	11	14	13	18	5	1	-
White, male	-	2	1	1	2	4	4	9	9	6	5	1	-	-
White, female	2	-	-	2	1	4	7	9	13	13	17	5	1	-
Black, male	1	-	-	-	-	-	-	-	-	2	-	-	-	-
Black, female	-	-	1	-	2	-	-	2	-	-	1	-	-	-
Ill-defined intestinal infections (009)	-	2	2	6	3	6	12	10	11	11	4	2	1	-
All races, male	-	1	-	3	1	4	4	4	4	1	1	1	-	-
All races, female	-	1	2	3	2	2	8	6	7	10	3	1	1	-
White, male	-	1	-	3	1	4	3	3	3	-	1	1	-	-
White, female	-	1	2	3	2	1	6	4	7	9	2	1	1	-
Black, male	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Black, female	-	-	-	-	1	1	2	-	-	-	1	-	-	-
Tuberculosis (010-018)	92	101	94	124	154	182	222	234	219	182	77	14	3	2
All races, male	69	80	75	90	111	124	145	143	110	82	35	5	1	2
All races, female	23	21	19	34	43	58	77	91	109	80	42	9	2	-
White, male	31	34	35	58	78	77	100	101	82	60	21	5	-	1
White, female	11	6	9	17	23	38	62	70	82	61	34	5	1	-
Black, male	36	43	34	29	31	43	40	29	20	15	10	-	1	1
Black, female	11	13	8	13	14	18	11	16	23	15	8	4	1	-
Tuberculosis of respiratory system (010-012)	66	89	71	97	119	144	179	177	190	134	65	13	3	1
All races, male	52	68	59	80	94	106	117	114	99	65	31	5	1	1
All races, female	14	15	12	17	25	38	62	63	91	69	34	8	2	-
White, male	22	30	28	52	64	66	80	84	76	48	19	5	-	1
White, female	5	5	5	10	18	26	52	53	71	54	28	4	1	-
Black, male	28	35	27	23	26	36	33	22	15	11	8	-	1	-
Black, female	8	10	6	4	5	10	8	9	17	11	6	4	1	-
Other tuberculosis (013-018)	26	18	23	27	35	38	43	57	29	28	12	1	-	1
All races, male	17	12	16	17	17	18	28	29	11	17	4	-	-	1
All races, female	9	6	7	10	18	20	15	28	18	11	8	1	-	-
White, male	9	4	7	4	12	11	20	17	6	12	2	-	-	-
White, female	6	1	4	7	5	10	10	17	11	7	6	1	-	-
Black, male	8	8	7	6	5	7	7	7	5	4	2	-	-	1
Black, female	3	3	2	9	8	8	3	7	6	4	2	-	-	-







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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex 1	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Viral diseases-Con.</b>														
Rubella (056)	1	-	-	-	-	-	-	-	1	-	-	-	-	-
All races, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, female	1	-	-	-	-	-	-	-	1	-	-	-	-	-
White, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	1	-	-	-	-	-	-	-	1	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arthropod-borne encephalitis (062-064)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Viral hepatitis (070)	1,290	6	1	1	1	3	12	2	1	8	24	57	60	67
All races, male	768	2	1	-	1	2	6	2	-	6	19	34	39	62
All races, female	522	4	-	1	-	1	6	-	1	2	5	23	21	25
White, male	647	1	1	-	1	2	5	1	-	3	13	25	31	51
White, female	409	2	-	1	-	1	4	-	1	1	2	16	8	18
Black, male	79	-	-	-	-	-	-	1	-	3	3	8	8	8
Black, female	63	1	-	-	-	-	1	-	-	1	3	8	12	8
Other viral diseases (*042-044,046-049,051-054,057-061,065-066,071-079)	18,148	183	80	37	30	26	356	78	37	64	534	2,253	3,694	3,736
All races, male	15,597	108	45	17	17	13	200	38	28	42	441	1,967	3,388	3,371
All races, female	2,551	75	35	20	13	13	156	40	9	22	93	286	506	365
White, male	11,166	65	22	9	11	8	115	23	26	28	282	1,347	2,312	2,325
White, female	1,457	43	19	7	6	10	85	25	6	10	48	136	202	150
Black, male	4,295	42	22	7	6	5	82	11	2	11	154	604	1,043	1,015
Black, female	1,071	30	16	12	7	3	68	13	3	11	45	150	303	214
<b>Rickettsioses and other arthropod-borne diseases (080-088)</b>	32	-	-	-	-	-	-	-	1	1	1	-	1	-
All races, male	19	-	-	-	-	-	-	-	1	1	-	-	-	-
All races, female	13	-	-	-	-	-	-	-	-	-	1	-	1	-
White, male	18	-	-	-	-	-	-	-	1	1	-	-	-	-
White, female	11	-	-	-	-	-	-	-	-	-	1	-	1	-
Black, male	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsioses (090-093)	20	-	-	-	-	-	-	-	1	1	-	-	-	-
All races, male	14	-	-	-	-	-	-	-	1	1	-	-	-	-
All races, female	6	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	13	-	-	-	-	-	-	-	1	1	-	-	-	-
White, female	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (084)	7	-	-	-	-	-	-	-	-	-	1	-	1	-
All races, male	3	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, female	4	-	-	-	-	-	-	-	-	-	1	-	1	-
White, male	3	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	3	-	-	-	-	-	-	-	-	-	1	-	1	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other arthropod-borne diseases (085-088)	5	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, male	2	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, female	3	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	2	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Syphilis and other venereal diseases (090-099)</b>	90	18	-	-	-	-	19	-	-	-	1	3	2	2
All races, male	53	9	-	-	-	-	9	-	-	-	2	2	-	-
All races, female	37	10	-	-	-	-	10	-	-	1	1	-	2	-
White, male	26	3	-	-	-	-	3	-	-	-	-	-	1	-
White, female	16	2	-	-	-	-	2	-	-	-	1	-	1	-
Black, male	27	6	-	-	-	-	6	-	-	-	2	1	-	-
Black, female	21	8	-	-	-	-	8	-	-	1	-	-	1	-
Syphilis (090-097)	85	17	-	-	-	-	17	-	-	-	-	3	2	2
All races, male	51	8	-	-	-	-	8	-	-	-	-	2	2	-
All races, female	34	9	-	-	-	-	9	-	-	-	-	1	-	2
White, male	25	3	-	-	-	-	3	-	-	-	-	-	1	-
White, female	15	1	-	-	-	-	1	-	-	-	-	1	-	1
Black, male	28	5	-	-	-	-	5	-	-	-	-	2	1	-
Black, female	19	8	-	-	-	-	8	-	-	-	-	-	-	1
Cardiovascular syphilis (093)	15	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, male	10	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, female	5	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	5	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Neurosyphilis (094)	40	-	-	-	-	-	-	-	-	-	-	2	1	1
All races, male	27	-	-	-	-	-	-	-	-	-	-	2	1	-
All races, female	13	-	-	-	-	-	-	-	-	-	-	-	-	1
White, male	15	-	-	-	-	-	-	-	-	-	-	-	1	-
White, female	7	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	12	-	-	-	-	-	-	-	-	-	-	2	-	-
Black, female	6	-	-	-	-	-	-	-	-	-	-	-	-	1
All other syphilis (090-091,095-097)	30	17	-	-	-	-	17	-	-	-	-	1	1	1
All races, male	14	8	-	-	-	-	8	-	-	-	-	-	1	-
All races, female	16	9	-	-	-	-	9	-	-	-	-	1	-	1
White, male	5	3	-	-	-	-	3	-	-	-	-	-	-	-
White, female	7	1	-	-	-	-	1	-	-	-	-	1	-	1
Black, male	9	5	-	-	-	-	5	-	-	-	-	-	1	-
Black, female	9	8	-	-	-	-	8	-	-	-	-	-	-	-

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987, includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex 1	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Viral diseases-Con.</b>														
Rubella (058)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Arthropod-borne encephalitis (062-064)</b>														
All races, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Viral hepatitis (070)</b>	58	65	91	102	151	147	166	125	87	44	13	-	-	-
All races, male	42	49	59	59	86	86	91	61	45	18	4	-	-	-
All races, female	16	16	32	43	65	61	65	64	42	26	8	-	-	-
White, male	30	38	48	48	77	77	85	54	41	16	4	-	-	-
White, female	10	11	20	35	53	51	51	57	40	22	8	-	-	-
Black, male	11	6	7	5	6	3	2	5	3	2	-	-	-	-
Black, female	6	4	10	5	6	7	9	5	1	2	-	-	-	-
<b>Other viral diseases (*042-044,046-049,051-054,057-061,065-066,071-079)</b>	2,563	1,479	975	613	438	318	232	183	133	108	84	42	16	4
All races, male	2,359	1,383	892	540	340	224	137	101	63	39	24	14	4	2
All races, female	204	86	83	73	98	94	95	82	70	69	60	28	12	2
White, male	1,752	1,058	679	405	277	188	120	80	62	38	22	14	3	2
White, female	80	49	49	52	75	81	88	78	67	69	60	28	12	1
Black, male	589	315	207	127	69	35	16	11	1	1	1	-	1	-
Black, female	111	45	32	20	19	12	8	14	2	-	-	-	-	1
<b>Rickettsiae and other arthropod-borne diseases (080-088)</b>		2	3	3	3	8	4	2	2	1	-	-	-	-
All races, male	-	2	3	2	-	6	1	1	1	1	-	-	-	-
All races, female	-	-	-	1	3	2	3	1	1	-	-	-	-	-
White, male	-	1	3	2	-	6	1	1	1	1	-	-	-	-
White, female	-	-	-	1	2	2	2	1	1	-	-	-	-	-
Black, male	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	1	-	-	-	-	-	-	-
<b>Typhus and other rickettsioses (090-093)</b>		2	2	2	2	4	3	2	1	-	-	-	-	-
All races, male	-	2	2	1	-	4	1	1	1	-	-	-	-	-
All races, female	-	-	-	1	2	-	2	1	-	-	-	-	-	-
White, male	-	1	2	1	-	4	1	1	1	-	-	-	-	-
White, female	-	-	-	1	2	-	1	1	-	-	-	-	-	-
Black, male	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	1	-	-	-	-	-	-	-
<b>Malaria (084)</b>			1	1	1	2	-	-	-	-	-	-	-	-
All races, male	-	-	1	1	1	1	-	-	-	-	-	-	-	-
All races, female	-	-	-	-	1	1	-	-	-	-	-	-	-	-
White, male	-	-	1	1	-	1	-	-	-	-	-	-	-	-
White, female	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>All other arthropod-borne diseases (085-088)</b>						2	1	-	1	1	-	-	-	-
All races, male	-	-	-	-	-	1	-	-	1	1	-	-	-	-
All races, female	-	-	-	-	-	1	1	-	-	-	-	-	-	-
White, male	-	-	-	-	-	1	1	-	-	1	-	-	-	-
White, female	-	-	-	-	-	1	1	-	1	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Syphilis and other venereal diseases (080-099)</b>	5	2	3	1	6	4	6	17	7	7	3	2	-	-
All races, male	4	2	3	-	3	3	3	10	6	3	2	1	-	-
All races, female	1	-	-	1	3	1	3	7	1	4	1	1	-	-
White, male	2	1	-	-	2	3	1	5	4	3	1	-	-	-
White, female	-	-	-	1	-	1	2	3	1	2	1	1	-	-
Black, male	2	1	3	-	1	-	2	5	2	-	1	1	-	-
Black, female	1	-	-	-	3	-	1	4	-	2	-	-	-	-
<b>Syphilis (080-097)</b>	3	2	3	1	6	4	6	17	7	7	3	2	-	-
All races, male	3	2	3	-	3	3	3	10	6	3	2	1	-	-
All races, female	-	-	-	1	3	1	3	7	1	4	1	1	-	-
White, male	1	1	-	-	2	3	1	5	4	3	1	-	-	-
White, female	-	-	-	1	-	1	2	3	1	2	1	1	-	-
Black, male	2	1	3	-	1	-	2	5	2	-	1	1	-	-
Black, female	-	-	-	-	3	-	1	4	-	2	-	-	-	-
<b>Cardiovascular syphilis (083)</b>			1		2		3	4	1	2	1	1		
All races, male	-	-	1	-	2	-	1	1	1	2	1	1	-	-
All races, female	-	-	-	-	-	-	2	3	-	-	-	-	-	-
White, male	-	-	-	-	2	-	-	-	-	2	1	-	-	-
White, female	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Black, male	-	-	1	-	-	-	1	1	1	-	-	1	-	-
Black, female	-	-	-	-	-	-	1	3	-	-	-	-	-	-
<b>Neurosyphilis (084)</b>	2	2	2	1	4	4	2	9	5	5	-	-	-	-
All races, male	2	2	2	-	1	3	2	7	4	1	-	-	-	-
All races, female	-	-	-	1	3	1	-	2	1	4	-	-	-	-
White, male	1	1	-	-	-	3	1	4	3	1	-	-	-	-
White, female	-	-	-	1	-	1	-	1	1	2	-	-	-	-
Black, male	1	1	2	-	1	-	1	3	1	-	-	-	-	-
Black, female	-	-	-	-	3	-	-	-	-	2	-	-	-	-
<b>All other syphilis (090-091,095-097)</b>	1	-	-	-	-	-	1	4	1	-	2	1	-	-
All races, male	1	-	-	-	-	-	-	2	1	-	1	-	-	-
All races, female	-	-	-	-	-	-	1	2	-	-	1	1	-	-
White, male	-	-	-	-	-	-	-	1	1	-	-	-	-	-
White, female	-	-	-	-	-	-	1	1	-	-	-	1	-	-
Black, male	1	-	-	-	-	-	-	1	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	1	-	-	-	-	-	-



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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex 1	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Syphilis and other venereal diseases—Con.</b>														
Gonococcal Infections (098)	1	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, female	1	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Other venereal diseases (099)	1	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, male	1	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	1	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Other infectious and parasitic diseases and late effects of</b>														
Infectious and parasitic diseases (100-139)	252	204	220	266	357	415	467	495	324	193	101	18	1	-
All races, male	179	111	139	155	184	229	250	219	143	74	36	3	-	-
All races, female	73	93	89	111	173	182	217	222	181	119	65	15	1	-
White, male	103	68	95	108	149	189	218	188	126	61	30	1	-	-
White, female	39	51	58	77	138	151	180	195	167	107	61	15	1	-
Black, male	73	43	42	43	31	29	24	24	16	11	4	2	-	-
Black, female	32	37	29	31	29	30	33	26	20	10	5	-	-	-
Mycoses (110-118)	95	77	113	129	209	247	298	276	185	95	52	7	-	-
All races, male	72	40	68	81	112	147	167	151	88	33	19	2	-	-
All races, female	23	37	45	48	97	100	131	125	107	62	33	5	-	-
White, male	43	30	47	59	92	129	143	131	79	27	14	-	-	-
White, female	17	25	35	37	81	88	111	108	88	55	28	5	-	-
Black, male	27	9	19	19	16	17	19	19	9	5	4	2	-	-
Black, female	4	9	9	10	11	12	18	16	6	4	4	-	-	-
Helminthiasis (120-129)	-	3	4	4	5	2	6	1	4	1	-	-	-	-
All races, male	-	1	3	3	4	2	6	-	2	1	-	-	-	-
All races, female	-	2	1	1	1	-	2	1	2	-	-	-	-	-
White, male	-	1	3	1	4	2	5	-	2	1	-	-	-	-
White, female	-	2	1	1	1	-	2	1	1	-	-	-	-	-
Black, male	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Late effects of tuberculosis (137)	3	3	6	15	20	28	38	49	38	21	8	2	-	-
All races, male	3	-	5	8	10	11	20	10	15	13	3	-	-	-
All races, female	-	3	1	6	10	15	18	33	23	8	5	2	-	-
White, male	-	-	4	4	7	10	19	9	12	10	3	-	-	-
White, female	-	2	-	5	7	15	15	31	23	6	5	2	-	-
Black, male	3	-	1	5	1	1	-	1	2	2	-	-	-	-
Black, female	-	-	-	3	-	-	1	2	-	2	-	-	-	-
Late effects of acute poliomyelitis (138)	3	7	9	18	18	22	16	18	11	5	3	1	-	-
All races, male	4	5	5	8	10	10	8	8	5	3	1	-	-	-
All races, female	1	3	4	11	12	12	8	10	6	2	2	1	-	-
White, male	1	3	5	5	3	10	10	8	5	3	1	-	-	-
White, female	1	3	4	11	12	11	6	9	5	2	2	1	-	-
Black, male	1	1	-	3	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	1	-	1	1	-	-	-	-	-	-
<b>All other infectious and parasitic diseases and late effects of</b>														
other infectious and parasitic diseases (100-104,130-138,139)	151	114	96	102	105	118	107	87	79	68	37	8	1	-
All races, male	102	66	58	57	52	63	47	44	35	23	11	1	-	-
All races, female	49	48	38	45	53	55	60	53	44	45	26	7	1	-
White, male	59	32	36	39	43	51	41	40	30	19	11	1	-	-
White, female	21	19	18	23	37	37	46	48	40	44	25	7	1	-
Black, male	42	33	22	18	9	11	5	4	5	4	-	-	-	-
Black, female	28	28	20	21	15	17	14	7	3	1	1	-	-	-
<b>II. Neoplasms (140-239)</b>														
All races, male	4,480	7,315	12,449	21,207	33,412	41,950	44,027	39,829	27,890	14,471	5,495	1,224	122	17
All races, female	5,319	7,902	11,513	17,891	28,188	31,988	34,415	32,568	28,938	17,443	8,108	2,350	331	10
White, male	3,611	5,865	10,031	17,814	28,764	36,427	38,082	35,196	25,157	12,993	4,901	1,073	85	12
White, female	4,382	6,573	9,616	15,018	22,824	28,232	30,972	29,473	24,809	16,051	7,493	2,195	260	8
Black, male	752	1,301	2,193	3,072	4,250	5,054	4,485	4,809	2,437	1,317	444	142	31	5
Black, female	848	1,142	1,664	2,957	3,026	3,443	3,124	2,937	2,103	1,265	554	201	67	4
<b>Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)</b>														
All races, male	4,386	7,219	12,328	21,047	33,154	41,687	43,629	39,189	27,517	14,236	5,282	1,208	119	16
All races, female	5,258	7,812	11,409	17,530	26,925	31,673	33,935	32,018	26,331	16,976	7,675	2,288	319	10
White, male	3,544	5,785	9,829	17,877	28,544	36,112	38,721	34,804	24,803	12,784	4,793	1,059	83	12
White, female	4,312	6,503	9,630	14,868	22,607	27,983	30,558	28,898	24,065	15,613	7,276	2,079	251	6
Black, male	745	1,287	2,173	3,051	4,215	5,008	4,480	3,960	2,417	1,295	439	140	30	4
Black, female	840	1,123	1,648	2,330	2,983	3,390	3,063	2,778	2,048	1,238	537	196	64	4
<b>Malignant neoplasms of lip, oral cavity, and pharynx (140-148)</b>														
All races, male	147	288	491	889	1,232	1,289	764	596	367	176	67	24	5	1
All races, female	46	79	155	223	348	393	434	377	275	186	87	32	10	-
White, male	89	173	331	550	724	758	676	510	327	163	63	23	5	1
White, female	28	48	119	173	302	348	393	354	259	158	92	32	8	-
Black, male	51	101	145	198	152	128	77	54	34	12	3	-	-	-
Black, female	14	31	32	46	45	38	35	18	11	10	3	-	2	-
<b>Of lip (140)</b>														
All races, male	1	2	1	6	9	11	9	11	20	11	5	5	2	-
All races, female	1	2	1	8	8	10	8	9	13	6	2	2	1	-
White, male	-	-	-	-	3	1	1	2	7	5	3	3	1	-
White, female	1	2	1	7	6	10	8	9	13	6	2	2	1	-
Black, male	-	-	-	1	2	1	1	1	6	5	3	3	1	-
Black, female	-	-	-	-	1	-	-	-	1	-	-	-	-	-



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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex:	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Malignant neoplasms of lip, oral cavity, and pharynx—Con.</b>														
Of tongue (141)	53	84	149	205	312	294	252	219	145	73	40	8	—	1
All races, male	41	61	111	148	217	212	161	128	71	33	14	3	—	1
All races, female	12	23	35	59	95	82	91	91	74	40	26	5	—	—
White, male	25	32	72	118	184	188	147	120	62	32	13	3	—	1
White, female	7	18	29	46	87	73	83	87	72	39	25	5	—	—
Black, male	15	27	39	27	32	23	12	8	8	1	1	—	—	—
Black, female	5	5	6	11	7	9	6	2	1	1	—	—	—	—
Of pharynx (146-149.0)	91	195	343	476	640	641	600	415	252	110	49	10	3	—
All races, male	70	153	262	376	478	449	386	278	174	67	29	7	3	—
All races, female	21	42	81	100	162	192	214	137	78	43	20	3	—	—
White, male	39	91	174	280	380	369	330	242	160	60	28	7	3	—
White, female	13	20	58	79	138	170	196	127	75	39	18	3	—	—
Black, male	26	53	75	87	91	72	48	34	20	6	1	—	—	—
Black, female	5	20	19	18	24	18	12	8	3	4	2	—	—	—
Of other and ill-defined sites within the lip, oral cavity, and pharynx (142-145,149.1-149.9)	48	84	156	233	271	343	337	290	225	148	70	33	10	—
All races, male	35	70	117	169	183	225	209	151	109	70	22	12	1	—
All races, female	13	14	39	64	88	118	128	147	116	78	48	21	9	—
White, male	24	48	84	145	154	189	191	139	102	65	20	11	1	—
White, female	8	8	32	48	75	104	113	139	106	73	46	21	7	—
Black, male	10	21	31	23	29	33	17	12	6	5	1	—	—	—
Black, female	4	6	7	16	13	11	15	7	6	5	1	—	2	—
<b>Malignant neoplasms of digestive organs and peritoneum (150-159)</b>														
	1,676	2,720	4,704	8,099	12,909	17,041	18,883	18,877	15,195	9,905	4,459	1,170	160	3
All races, male	1,043	1,687	2,952	5,001	7,954	9,978	10,462	9,825	6,747	3,658	1,428	308	37	1
All races, female	633	1,033	1,752	3,098	4,955	7,063	8,421	9,052	8,388	6,247	3,033	862	123	2
White, male	806	1,316	2,256	4,035	6,444	8,522	9,142	8,512	6,069	3,208	1,294	279	27	—
White, female	490	812	1,400	2,493	4,150	5,959	7,412	8,179	7,598	5,694	2,780	787	84	1
Black, male	198	322	600	837	1,151	1,265	1,145	967	505	311	106	39	8	1
Black, female	121	183	291	513	699	1,001	904	986	714	498	225	68	36	1
Of esophagus (150)	151	313	632	1,001	1,451	1,855	1,452	1,203	760	447	164	37	4	1
All races, male	133	262	531	808	1,149	1,258	1,084	858	476	221	71	13	2	—
All races, female	18	51	101	193	302	397	368	345	284	226	93	24	2	—
White, male	77	147	307	550	859	998	874	723	418	195	61	12	2	—
White, female	11	27	63	115	217	284	317	301	258	210	87	22	2	—
Black, male	54	114	217	249	283	241	189	128	52	22	9	1	—	1
Black, female	7	24	36	76	75	108	48	43	23	14	6	2	—	—
Of stomach (151)	270	355	577	965	1,446	1,883	2,086	2,143	1,811	1,172	555	121	19	2
All races, male	176	233	406	675	1,015	1,264	1,307	1,250	908	463	206	42	4	—
All races, female	94	122	171	290	431	619	779	893	903	709	349	79	15	2
White, male	142	181	313	512	802	998	1,066	1,016	761	394	170	31	3	—
White, female	70	82	134	221	338	506	651	746	776	612	301	70	8	1
Black, male	27	45	77	131	174	224	181	201	117	50	29	11	—	—
Black, female	16	26	29	44	73	84	110	130	114	84	40	9	7	1
Of small intestine, including duodenum (152)	23	27	46	69	89	144	125	138	108	61	19	8	—	—
All races, male	16	16	20	36	61	78	65	78	48	23	7	3	—	—
All races, female	7	11	26	33	38	69	60	62	60	38	12	5	—	—
White, male	13	12	16	29	55	65	58	70	41	21	7	3	—	—
White, female	7	7	25	15	35	62	52	58	54	33	12	5	—	—
Black, male	2	4	3	7	6	9	7	6	5	2	—	—	—	—
Black, female	—	4	1	8	3	7	7	4	5	4	—	—	—	—
Of colon (153)	588	957	1,649	2,898	4,814	6,674	7,898	7,881	6,723	4,617	2,131	584	82	—
All races, male	320	510	868	1,549	2,711	3,621	4,185	3,912	2,847	1,707	613	145	18	—
All races, female	268	447	781	1,349	2,103	3,053	3,653	4,069	3,776	2,910	1,518	449	64	—
White, male	270	441	733	1,325	2,374	3,220	3,785	3,589	2,711	1,553	588	181	11	—
White, female	198	368	643	1,138	1,796	2,625	3,277	3,643	3,448	2,678	1,402	407	45	—
Black, male	46	56	120	200	298	361	358	310	213	137	39	12	7	—
Black, female	62	70	119	188	278	409	347	409	298	217	108	36	17	—
Hepatic and splenic flexures and transverse colon (153.0-153.1,153.7)	2	8	15	12	19	30	47	48	46	82	16	5	1	—
All races, male	2	6	7	4	13	20	21	20	21	24	4	1	—	—
All races, female	—	2	8	8	6	10	26	28	25	28	12	4	1	—
White, male	2	6	6	1	11	18	17	17	20	20	4	1	—	—
White, female	—	2	7	7	6	9	25	26	25	28	11	4	1	—
Black, male	—	—	1	2	2	2	4	3	1	4	—	—	—	—
Black, female	—	—	1	1	—	1	1	2	—	—	—	—	—	—
Descending colon (153.2)	4	3	11	10	17	32	34	47	40	20	14	6	1	—
All races, male	2	1	5	5	7	15	15	25	19	9	9	1	—	—
All races, female	2	2	6	5	10	17	19	22	27	11	5	5	1	—
White, male	2	1	5	4	7	14	13	21	12	7	8	—	—	—
White, female	1	2	4	4	7	15	18	20	23	10	4	5	—	—
Black, male	—	—	—	—	—	1	2	4	1	2	1	1	—	—
Black, female	—	—	2	—	2	1	2	4	1	1	1	—	1	—
Sigmoid colon (153.3)	12	29	42	61	121	187	229	221	202	147	59	23	5	—
All races, male	6	12	18	36	63	98	132	98	89	63	13	5	3	—
All races, female	6	17	24	25	58	89	97	123	113	84	48	18	2	—
White, male	4	9	16	34	57	86	122	95	82	59	12	5	—	—
White, female	4	13	20	23	52	79	89	112	105	79	39	16	2	—
Black, male	1	2	2	2	4	10	7	1	5	4	—	—	3	—
Black, female	1	3	3	2	5	10	6	11	5	5	6	1	—	—
Cecum, appendix, and ascending colon (153.4-153.6)	21	32	35	89	150	233	266	349	305	271	135	44	2	—
All races, male	13	16	18	47	81	124	120	149	132	91	39	8	1	—
All races, female	8	16	17	42	69	109	146	200	173	180	102	36	1	—
White, male	12	15	15	41	68	111	112	139	123	85	30	7	—	—
White, female	7	14	16	34	57	90	127	187	157	168	91	32	1	—
Black, male	1	1	3	5	10	10	7	15	7	5	3	—	—	—
Black, female	1	1	1	6	9	18	17	13	15	12	10	3	—	—

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex 1	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Of colon-Con.</b>														
Other and colon, unspecified (153.8-153.9)	44,343	-	-	-	-	-	-	-	1	13	28	60	170	335
All races, male	21,718	-	-	-	-	-	-	-	-	5	18	34	89	185
All races, female	22,625	-	-	-	-	-	-	-	1	8	10	26	81	150
White, male	18,389	-	-	-	-	-	-	-	-	3	12	21	70	145
White, female	18,983	-	-	-	-	-	-	-	1	6	7	17	54	108
Black, male	2,091	-	-	-	-	-	-	-	-	2	6	12	18	35
Black, female	2,441	-	-	-	-	-	-	-	-	2	2	7	25	37
<b>Of rectum, rectosigmoid junction, and anus (154)</b>	7,721	-	-	-	-	-	-	-	-	3	8	18	30	74
All races, male	4,124	-	-	-	-	-	-	-	-	2	2	14	22	42
All races, female	3,597	-	-	-	-	-	-	-	-	1	6	4	8	32
White, male	3,678	-	-	-	-	-	-	-	-	-	2	9	13	29
White, female	3,214	-	-	-	-	-	-	-	-	-	4	3	8	27
Black, male	370	-	-	-	-	-	-	-	-	1	-	3	8	12
Black, female	341	-	-	-	-	-	-	-	-	-	2	1	-	4
<b>Of liver and intrahepatic bile ducts (155)</b>	7,575	8	7	5	5	1	24	7	6	7	16	38	49	112
All races, male	4,821	4	6	2	3	1	16	5	3	3	8	23	36	66
All races, female	2,954	2	1	3	2	-	8	2	3	4	8	15	13	46
White, male	3,715	4	4	2	3	1	14	3	2	3	6	10	16	38
White, female	2,490	2	1	3	2	-	8	1	3	4	7	8	9	28
Black, male	606	-	2	-	-	-	2	-	1	-	2	6	10	14
Black, female	358	-	-	-	-	-	-	-	-	-	-	7	4	12
<b>Liver, primary (155.0)</b>	3,422	5	5	5	5	1	21	5	4	5	13	23	30	71
All races, male	2,389	4	4	2	3	1	14	4	3	3	8	14	24	41
All races, female	1,033	1	1	3	2	-	7	1	1	2	5	9	6	30
White, male	1,841	4	2	3	3	1	12	2	2	3	6	5	5	21
White, female	829	1	1	3	2	-	7	1	1	2	4	6	5	15
Black, male	331	-	2	-	-	-	2	-	1	-	2	3	9	8
Black, female	142	-	-	-	-	-	-	-	-	-	-	3	1	9
<b>Intrahepatic bile ducts (155.1)</b>	1,144	-	1	-	-	-	1	1	-	-	1	3	10	19
All races, male	550	-	1	-	-	-	1	-	-	-	-	2	7	12
All races, female	594	-	-	-	-	-	-	1	-	-	1	1	3	7
White, male	485	-	1	-	-	-	1	-	-	-	-	2	7	8
White, female	531	-	-	-	-	-	-	-	-	-	1	1	2	7
Black, male	45	-	-	-	-	-	-	-	-	-	-	-	-	1
Black, female	44	-	-	-	-	-	-	-	-	-	-	-	1	-
<b>Liver, not specified as primary or secondary (155.2)</b>	3,009	1	1	-	-	-	2	1	2	2	2	12	9	22
All races, male	1,682	-	1	-	-	-	1	1	-	-	-	7	5	13
All races, female	1,327	1	-	-	-	-	1	-	2	2	2	5	4	9
White, male	1,389	-	1	-	-	-	1	1	-	-	-	3	4	7
White, female	1,130	1	-	-	-	-	1	-	2	2	2	1	2	4
Black, male	230	-	-	-	-	-	-	-	-	-	-	3	1	5
Black, female	170	-	-	-	-	-	-	-	-	-	-	4	2	3
<b>Of gallbladder and extrahepatic bile ducts (156)</b>	3,963	-	-	-	-	-	-	-	-	-	1	1	5	18
All races, male	1,432	-	-	-	-	-	-	-	-	-	-	-	5	8
All races, female	2,521	-	-	-	-	-	-	-	-	-	1	1	-	10
White, male	1,284	-	-	-	-	-	-	-	-	-	-	-	3	6
White, female	2,245	-	-	-	-	-	-	-	-	-	1	1	-	8
Black, male	114	-	-	-	-	-	-	-	-	-	-	-	1	1
Black, female	208	-	-	-	-	-	-	-	-	-	-	-	-	1
<b>Of pancreas (157)</b>	23,848	-	-	-	-	-	-	-	1	2	4	14	53	120
All races, male	11,722	-	-	-	-	-	-	-	1	2	2	10	35	67
All races, female	12,126	-	-	-	-	-	-	-	-	-	2	4	18	33
White, male	10,188	-	-	-	-	-	-	-	-	2	2	6	32	65
White, female	10,491	-	-	-	-	-	-	-	-	-	-	3	15	25
Black, male	1,355	-	-	-	-	-	-	-	1	-	-	4	2	15
Black, female	1,489	-	-	-	-	-	-	-	-	-	2	1	3	7
<b>Of retroperitoneum, peritoneum, and other and ill-defined sites within the digestive organs and peritoneum (158-159)</b>	2,224	-	-	-	-	-	-	1	-	-	9	7	10	21
All races, male	1,034	-	-	-	-	-	-	1	-	-	6	3	5	15
All races, female	1,190	-	-	-	-	-	-	-	-	-	3	4	5	6
White, male	925	-	-	-	-	-	-	1	-	-	4	1	4	14
White, female	1,100	-	-	-	-	-	-	-	-	-	2	4	3	4
Black, male	99	-	-	-	-	-	-	-	-	-	2	1	1	1
Black, female	88	-	-	-	-	-	-	-	-	-	-	-	2	2
<b>Malignant neoplasms of respiratory and intrathoracic organs (160-165)</b>	139,253	3	-	-	1	3	7	3	6	16	30	68	244	719
All races, male	91,873	2	-	-	1	1	4	1	2	11	18	41	181	438
All races, female	46,380	1	-	-	2	3	3	2	4	4	12	27	93	281
White, male	80,166	2	-	-	1	1	4	1	2	10	12	30	119	320
White, female	41,775	-	-	-	2	2	2	2	3	9	9	22	76	230
Black, male	10,784	-	-	-	-	-	-	-	-	1	6	9	25	108
Black, female	4,154	1	-	-	-	-	1	-	2	1	3	4	14	45
<b>Of larynx (161)</b>	3,667	1	-	-	-	-	1	-	-	-	-	-	3	16
All races, male	2,965	-	-	-	-	-	-	-	-	-	-	-	1	13
All races, female	702	1	-	-	-	-	1	-	-	-	-	-	2	3
White, male	2,370	-	-	-	-	-	-	-	-	-	-	-	1	8
White, female	605	-	-	-	-	-	-	-	-	-	-	-	2	-
Black, male	571	-	-	-	-	-	-	-	-	-	-	-	-	5
Black, female	93	1	-	-	-	-	1	-	-	-	-	-	-	2
<b>Of trachea, bronchus, and lung (162)</b>	133,284	1	-	-	1	-	2	1	2	8	16	48	226	675
All races, male	88,059	1	-	-	1	-	2	-	-	6	7	25	140	408
All races, female	45,225	-	-	-	-	-	-	1	2	2	9	23	86	267
White, male	77,063	1	-	-	1	-	2	-	-	5	4	18	110	299
White, female	40,783	-	-	-	-	-	-	1	1	1	6	19	71	220
Black, male	10,112	-	-	-	-	-	-	-	-	1	3	6	24	99
Black, female	4,019	-	-	-	-	-	-	-	1	1	3	3	14	42

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex 1	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Of colon-Con.</b>														
Other and colon, unspecified (153.8-153.9)	549	885	1,546	2,728	4,507	6,192	7,262	7,316	6,130	4,127	1,907	516	73	-
All races, male	297	475	820	1,457	2,547	3,264	3,897	3,820	2,882	1,520	554	130	14	-
All races, female	252	410	726	1,269	1,960	2,828	3,365	3,696	3,438	2,607	1,353	386	59	-
White, male	250	410	691	1,245	2,231	2,991	3,251	3,303	2,474	1,392	512	118	10	-
White, female	186	337	596	1,070	1,674	2,432	3,016	3,298	3,138	2,393	1,257	350	41	-
Black, male	44	53	114	191	282	338	338	287	189	122	35	11	4	-
Black, female	60	66	112	179	280	379	322	381	274	199	88	32	16	-
<b>Of rectum, rectosigmoid junction, and anus (154)</b>	145	203	299	502	867	1,075	1,183	1,181	956	713	357	95	12	-
All races, male	85	127	181	315	537	624	671	627	459	267	125	19	5	-
All races, female	60	76	118	187	330	451	512	554	487	446	232	76	7	-
White, male	70	109	149	278	473	561	610	588	425	244	116	17	5	-
White, female	48	63	98	153	294	387	455	504	459	408	224	72	6	-
Black, male	14	14	25	32	54	56	49	47	29	17	7	2	-	-
Black, female	12	9	15	28	34	60	50	45	33	35	8	4	1	-
<b>Of liver and intrahepatic bile ducts (155)</b>	146	188	323	642	922	1,186	1,205	1,114	868	492	177	50	3	-
All races, male	90	125	213	478	623	828	735	638	421	213	77	21	1	-
All races, female	56	63	110	164	299	360	470	476	447	279	100	29	2	-
White, male	49	78	139	370	497	667	616	558	374	198	70	19	1	-
White, female	47	49	84	117	251	291	414	406	400	249	89	28	-	-
Black, male	22	30	35	65	93	115	89	60	35	20	5	2	-	-
Black, female	5	11	16	32	36	56	45	57	40	23	9	1	2	-
<b>Liver, primary (155.0)</b>	73	97	196	368	446	585	531	481	294	136	38	16	1	-
All races, male	48	70	143	301	321	457	367	307	172	60	24	8	-	-
All races, female	25	27	53	65	125	138	164	154	122	76	14	8	1	-
White, male	24	39	85	228	247	368	303	261	162	52	20	6	-	-
White, female	24	19	39	39	106	98	145	129	107	66	14	8	-	-
Black, male	11	18	23	42	52	59	42	33	15	7	2	2	-	-
Black, female	-	6	12	14	13	32	16	20	10	5	-	-	1	-
<b>Intrahepatic bile ducts (155.1)</b>	28	24	38	91	126	182	195	157	151	80	31	6	-	-
All races, male	14	9	18	52	71	85	90*	80	50	36	12	1	-	-
All races, female	14	15	20	39	55	87	105	77	101	44	19	5	-	-
White, male	8	9	15	43	61	83	81	77	45	33	11	1	-	-
White, female	9	14	18	30	47	81	92	71	95	40	18	5	-	-
Black, male	3	-	2	6	10	7	7	1	5	2	1	-	-	-
Black, female	3	-	1	9	6	4	9	3	5	2	1	-	-	-
<b>Liver, not specified as primary or secondary (155.2)</b>	45	67	89	185	350	409	479	498	423	276	198	28	2	-
All races, male	28	46	52	125	231	274	278	251	169	117	41	12	1	-
All races, female	17	21	37	60	119	135	201	245	224	159	67	16	1	-
White, male	17	30	36	99	189	215	232	220	177	103	39	12	1	-
White, female	14	15	33	48	88	112	177	208	198	143	57	15	-	-
Black, male	8	12	10	17	31	49	40	26	15	11	2	-	-	-
Black, female	2	5	3	9	17	20	20	34	25	16	6	1	1	-
<b>Of gallbladder and extrahepatic bile ducts (156)</b>	40	70	123	204	392	505	607	745	813	399	179	43	8	-
All races, male	20	28	45	71	127	199	230	275	214	107	51	11	1	-
All races, female	20	42	78	133	225	306	377	470	399	292	128	32	7	-
White, male	19	23	38	69	144	178	213	247	197	93	49	10	1	-
White, female	19	39	63	114	186	270	335	420	384	273	117	30	5	-
Black, male	1	2	7	5	19	18	13	20	14	10	1	1	-	-
Black, female	1	1	12	14	28	23	32	39	28	14	10	2	2	-
<b>Of pancreas (157)</b>	268	555	986	1,701	2,738	3,638	4,062	4,007	2,985	1,754	727	178	27	-
All races, male	188	348	646	999	1,592	1,967	2,010	1,827	1,147	590	239	47	6	-
All races, female	100	207	350	702	1,154	1,671	2,052	2,180	1,838	1,174	489	131	21	-
White, male	155	288	525	846	1,354	1,767	1,611	1,611	1,038	528	218	43	4	-
White, female	90	185	276	574	968	1,411	1,769	1,908	1,658	1,068	441	118	14	-
Black, male	29	59	111	140	201	228	221	185	82	50	15	4	1	-
Black, female	18	37	60	112	167	241	256	249	160	97	41	12	6	-
<b>Of retroperitoneum, peritoneum, and other ill-defined sites within the digestive organs and peritoneum (158-168)</b>	25	52	59	127	182	281	325	365	311	250	150	44	5	-
All races, male	16	38	42	70	109	144	176	162	127	77	38	7	-	-
All races, female	10	14	17	57	73	137	150	203	184	173	112	37	5	-
White, male	11	37	37	62	88	129	153	160	118	74	37	7	-	-
White, female	10	13	14	46	67	123	141	183	171	163	107	35	4	-
Black, male	3	1	5	8	23	12	18	12	8	3	1	-	-	-
Black, female	-	1	3	11	6	13	9	10	13	10	5	2	1	-
<b>Malignant neoplasms of respiratory and intrathoracic organs (160-185)</b>	1,954	4,233	7,836	13,816	21,587	25,473	24,647	18,373	11,497	4,841	1,529	325	40	10
All races, male	1,227	2,612	5,107	9,180	14,438	17,197	16,594	13,139	7,942	3,035	863	154	14	7
All races, female	727	1,621	2,729	4,636	7,151	8,276	8,053	6,234	3,555	1,806	666	171	26	3
White, male	950	2,078	4,129	7,757	12,502	14,877	14,857	11,788	6,873	2,720	787	135	8	7
White, female	623	1,378	2,327	4,036	6,348	7,503	7,400	5,790	3,557	1,875	611	159	20	2
Black, male	258	493	913	1,322	1,801	2,077	1,596	1,214	593	284	83	18	5	-
Black, female	92	216	363	552	736	706	586	405	258	102	48	12	5	1
<b>Of larynx (161)</b>	58	133	240	435	602	680	578	457	282	140	55	6	-	1
All races, male	51	115	194	350	476	545	480	378	207	111	45	4	-	-
All races, female	7	18	46	85	126	135	98	84	55	29	10	2	-	1
White, male	34	77	128	268	370	437	410	308	189	86	42	4	-	-
White, female	5	13	33	71	104	117	92	79	51	28	8	2	-	-
Black, male	17	37	67	80	103	102	69	58	18	15	2	-	-	-
Black, female	2	5	13	14	20	18	6	5	3	1	2	-	-	1
<b>Of trachea, bronchus, and lung (162)</b>	1,862	4,054	7,528	13,267	20,831	24,816	23,851	18,730	11,113	4,637	1,464	312	40	8
All races, male	1,158	2,466	4,871	8,747	13,856	16,526	15,963	12,649	7,359	2,895	810	150	14	7
All races, female	704	1,588	2,657	4,520	6,975	8,090	7,888	6,081	3,754	1,742	644	162	26	2
White, male	902	1,974	3,970	7,415	12,040	14,431	14,311	11,384	6,717	2,598	737	131	8	7
White, female	604	1,353	2,272	3,937	6,198	7,340	7,250	5,649	3,469	1,613	593	150	20	2
Black, male	237	452	838	1,234	1,693	1,959	1,512	1,143	568	266	61	18	5	-
Black, female	88	208	347	535	715	683	572	394	252	100	44	12	5	-



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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Malignant neoplasms of respiratory and intrathoracic organs-Con.</b>														
Of all other and ill-defined sites within the respiratory system and intrathoracic organs (160,163-165)	1,302	1	-	-	-	3	4	2	4	7	14	20	13	28
All races, male	849	1	-	-	-	1	2	1	2	5	11	18	10	17
All races, female	453	-	-	-	-	2	2	1	2	2	3	4	3	11
White, male	733	1	-	-	-	1	2	1	2	5	8	12	8	13
White, female	407	-	-	-	-	2	2	1	1	2	3	3	3	10
Black, male	101	-	-	-	-	-	-	-	-	-	3	3	1	4
Black, female	42	-	-	-	-	-	-	-	1	-	-	1	-	1
<b>Malignant neoplasms of bone, connective tissue, skin, and breast (170-175)</b>														
All races, male	54,566	8	9	1	8	4	30	43	72	174	210	396	918	1,783
All races, female	7,391	2	4	1	4	4	15	26	30	95	118	180	236	299
White, male	47,175	6	5	-	4	-	15	17	42	79	92	236	682	1,484
White, female	6,886	1	4	1	4	3	13	24	28	81	101	149	220	273
Black, male	41,921	2	5	-	3	-	10	10	31	61	78	194	537	1,171
Black, female	454	1	-	-	-	1	2	2	2	12	14	9	15	21
Black, female	4,834	4	-	-	1	-	5	6	10	16	14	40	134	293
Of bone and articular cartilage (170)	1,059	-	3	-	2	2	7	16	33	100	78	44	37	30
All races, male	588	-	1	-	1	2	4	11	14	58	53	36	24	18
All races, female	461	-	2	-	1	3	5	19	42	23	8	13	12	
White, male	515	-	1	-	1	1	3	11	12	52	44	34	23	13
White, female	394	-	2	-	-	-	2	3	13	34	20	8	11	10
Black, male	73	-	-	-	-	1	1	2	4	8	2	1	4	
Black, female	58	-	-	-	1	-	1	1	5	7	3	-	2	1
Of connective and other soft tissue (171)	2,966	7	5	-	6	2	20	26	38	65	82	97	108	125
All races, male	1,480	2	2	-	3	2	9	14	15	34	39	48	64	65
All races, female	1,486	5	3	-	3	-	11	12	23	31	43	49	44	60
White, male	1,327	1	2	-	3	2	8	12	15	26	31	42	54	54
White, female	1,266	2	3	-	3	-	8	7	18	22	36	44	36	49
Black, male	130	1	-	-	-	-	1	2	8	8	6	5	9	8
Black, female	201	3	-	-	-	-	3	5	5	8	7	5	8	10
<b>Melanoma of skin (172)</b>	5,979	-	-	1	-	-	1	1	1	6	39	112	244	324
All races, male	3,585	-	-	1	-	-	1	1	1	3	24	63	127	175
All races, female	2,394	-	-	-	-	-	-	-	-	3	15	49	87	149
White, male	3,535	-	-	1	-	-	1	1	1	3	24	62	126	174
White, female	2,342	-	-	-	-	-	-	-	-	3	15	49	86	148
Black, male	41	-	-	-	-	-	-	-	-	-	-	-	1	1
Black, female	47	-	-	-	-	-	-	-	-	-	-	-	1	1
<b>Other malignant neoplasms of skin (173)</b>	2,101	-	1	-	-	-	1	-	-	-	3	16	21	41
All races, male	1,439	-	1	-	-	-	1	-	-	-	2	12	19	37
All races, female	662	-	-	-	-	-	-	-	-	-	1	4	2	4
White, male	1,280	-	1	-	-	-	1	-	-	-	2	10	16	30
White, female	585	-	-	-	-	-	-	-	-	-	1	3	1	2
Black, male	152	-	-	-	-	-	-	-	-	-	-	2	3	6
Black, female	61	-	-	-	-	-	-	-	-	-	-	1	1	2
<b>Of female breast (174)</b>	42,172	1	-	-	-	-	1	-	-	3	10	126	536	1,259
All races, male	42,172	1	-	-	-	-	1	-	-	3	10	126	536	1,259
All races, female	42,172	1	-	-	-	-	1	-	-	3	10	126	536	1,259
White, male	37,327	-	-	-	-	-	-	-	-	2	8	90	403	982
White, female	4,467	1	-	-	-	-	1	-	-	1	4	34	122	279
Black, male	4,467	1	-	-	-	-	1	-	-	1	4	34	122	279
Black, female	4,467	1	-	-	-	-	1	-	-	1	4	34	122	279
<b>Of male breast (175)</b>	289	-	-	-	-	-	-	-	-	-	-	1	2	4
All races, male	289	-	-	-	-	-	-	-	-	-	-	1	2	4
All races, female	289	-	-	-	-	-	-	-	-	-	-	1	2	4
White, male	229	-	-	-	-	-	-	-	-	-	-	1	1	2
White, female	58	-	-	-	-	-	-	-	-	-	-	-	1	2
Black, male	58	-	-	-	-	-	-	-	-	-	-	-	1	2
Black, female	58	-	-	-	-	-	-	-	-	-	-	-	1	2
<b>Malignant neoplasms of genital organs (179-187)</b>	53,353	2	-	2	2	6	3	3	20	94	213	365	629	
All races, male	29,560	2	-	1	3	1	2	8	49	64	84	82	45	
All races, female	23,793	-	-	2	1	3	2	1	12	46	149	303	484	
White, male	24,684	-	-	-	-	-	-	1	2	8	42	60	60	41
White, female	20,520	-	-	2	1	3	2	1	10	40	115	225	370	
Black, male	4,631	2	-	-	1	3	-	-	-	3	2	2	4	
Black, female	2,633	-	-	-	1	3	-	-	-	2	6	27	71	93
<b>Of cervix uteri (180)</b>	4,443	-	-	-	-	-	-	-	-	18	89	201	275	
All races, male	4,443	-	-	-	-	-	-	-	-	18	89	201	275	
All races, female	4,443	-	-	-	-	-	-	-	-	18	89	201	275	
White, male	3,343	-	-	-	-	-	-	-	-	15	73	147	201	
White, female	974	-	-	-	-	-	-	-	-	3	13	51	63	
Black, male	974	-	-	-	-	-	-	-	-	3	13	51	63	
Black, female	974	-	-	-	-	-	-	-	-	3	13	51	63	
<b>Of other parts of uterus (179,181-182)</b>	5,914	-	-	-	-	-	-	-	-	7	10	15	45	
All races, male	5,914	-	-	-	-	-	-	-	-	7	10	15	45	
All races, female	5,914	-	-	-	-	-	-	-	-	7	10	15	45	
White, male	4,967	-	-	-	-	-	-	-	-	8	5	11	32	
White, female	888	-	-	-	-	-	-	-	-	1	4	4	13	
Black, male	888	-	-	-	-	-	-	-	-	1	4	4	13	
Black, female	888	-	-	-	-	-	-	-	-	1	4	4	13	
<b>Of ovary and other uterine adnexa (183)</b>	12,397	-	-	-	1	1	2	-	12	20	50	79	152	
All races, male	12,397	-	-	-	1	1	2	-	12	20	50	79	152	
All races, female	12,397	-	-	-	1	1	2	-	12	20	50	79	152	
White, male	11,293	-	-	-	1	1	2	-	10	19	37	60	128	
White, female	953	-	-	-	-	-	-	-	2	1	10	15	15	
Black, male	953	-	-	-	-	-	-	-	2	1	10	15	15	
Black, female	953	-	-	-	-	-	-	-	2	1	10	15	15	

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex 1	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Malignant neoplasms of respiratory and intrathoracic organs—Con.</b>														
Of all other and ill-defined sites within the respiratory system and intrathoracic organs (160,163-165)	34	46	68	114	154	177	218	186	122	64	20	7	-	-
All races, male	18	31	42	83	104	126	151	117	76	29	8	-	-	-
All races, female	16	15	26	31	50	51	67	69	46	35	12	7	-	-
White, male	14	27	33	74	92	109	136	96	67	26	8	-	-	-
White, female	14	12	22	28	46	46	58	62	43	34	10	7	-	-
Black, male	2	4	8	0	12	16	15	7	3	3	-	-	-	-
Black, female	2	3	3	3	3	5	8	6	3	1	2	-	-	-
<b>Malignant neoplasms of bone, connective tissue, skin, and breast (170-176)</b>	<b>2,463</b>	<b>3,144</b>	<b>3,948</b>	<b>5,194</b>	<b>6,544</b>	<b>6,964</b>	<b>6,814</b>	<b>6,040</b>	<b>4,859</b>	<b>2,970</b>	<b>1,418</b>	<b>502</b>	<b>75</b>	<b>5</b>
All races, male	388	407	500	655	817	915	870	794	553	313	152	43	3	2
All races, female	2,075	2,737	3,448	4,539	5,727	6,049	5,944	5,246	4,306	2,657	1,266	459	72	3
White, male	356	370	447	608	768	860	830	751	530	294	140	41	2	2
White, female	1,712	2,310	2,916	3,920	5,085	5,461	5,460	4,827	3,997	2,473	1,184	423	61	3
Black, male	29	34	51	46	42	48	34	39	22	18	12	2	-	-
Black, female	335	384	484	553	583	547	444	389	293	175	82	36	11	-
<b>Of bone and articular cartilage (170)</b>	<b>21</b>	<b>45</b>	<b>54</b>	<b>55</b>	<b>64</b>	<b>100</b>	<b>105</b>	<b>103</b>	<b>88</b>	<b>47</b>	<b>27</b>	<b>7</b>	<b>-</b>	<b>-</b>
All races, male	13	31	28	29	35	52	61	54	47	14	13	3	-	-
All races, female	8	14	26	26	29	48	44	49	41	33	14	4	-	-
White, male	10	22	20	26	31	49	54	47	41	11	9	3	-	-
White, female	5	11	21	23	23	45	39	44	38	28	14	3	-	-
Black, male	3	9	7	2	4	2	5	7	6	2	4	-	-	-
Black, female	2	3	5	2	6	3	4	5	2	5	-	1	-	-
<b>Of connective and other soft tissue (171)</b>	<b>137</b>	<b>130</b>	<b>156</b>	<b>248</b>	<b>266</b>	<b>357</b>	<b>343</b>	<b>323</b>	<b>241</b>	<b>131</b>	<b>59</b>	<b>14</b>	<b>1</b>	<b>-</b>
All races, male	87	85	84	128	128	174	171	148	111	62	26	8	-	-
All races, female	50	65	72	120	138	183	172	175	130	69	32	6	1	-
White, male	77	53	73	115	118	155	158	140	106	56	26	8	-	-
White, female	41	53	57	96	110	153	162	120	65	30	5	1	-	-
Black, male	7	10	11	12	6	15	12	8	4	6	-	-	-	-
Black, female	7	11	12	22	24	29	17	12	9	4	2	1	-	-
<b>Melanoma of skin (172)</b>	<b>365</b>	<b>422</b>	<b>453</b>	<b>499</b>	<b>667</b>	<b>683</b>	<b>695</b>	<b>634</b>	<b>443</b>	<b>257</b>	<b>114</b>	<b>36</b>	<b>1</b>	<b>2</b>
All races, male	233	250	273	329	442	446	425	373	229	119	54	15	-	2
All races, female	132	172	180	170	225	247	270	261	214	138	60	21	1	-
White, male	229	249	270	325	437	439	418	362	228	118	52	14	-	2
White, female	131	171	177	169	217	238	260	257	209	136	57	19	1	-
Black, male	4	1	2	3	4	7	5	8	1	2	1	-	-	-
Black, female	1	1	3	1	7	8	9	4	2	3	2	-	-	-
<b>Other malignant neoplasms of skin (173)</b>	<b>55</b>	<b>61</b>	<b>119</b>	<b>207</b>	<b>248</b>	<b>262</b>	<b>245</b>	<b>265</b>	<b>224</b>	<b>170</b>	<b>103</b>	<b>47</b>	<b>13</b>	<b>-</b>
All races, male	49	48	95	156	183	203	188	172	132	87	48	16	3	-
All races, female	6	13	24	51	65	59	79	93	92	73	55	31	10	-
White, male	36	37	72	129	155	184	158	165	128	85	46	16	2	-
White, female	5	11	19	42	56	52	71	80	88	70	54	30	10	-
Black, male	13	11	23	27	26	17	9	7	4	2	2	-	-	-
Black, female	1	2	5	8	8	6	7	11	4	3	1	1	-	-
<b>Of female breast (174)</b>	<b>1,879</b>	<b>2,473</b>	<b>3,146</b>	<b>4,172</b>	<b>5,270</b>	<b>5,512</b>	<b>5,379</b>	<b>4,668</b>	<b>3,829</b>	<b>2,344</b>	<b>1,105</b>	<b>397</b>	<b>60</b>	<b>3</b>
All races, male	1,879	2,473	3,146	4,172	5,270	5,512	5,379	4,668	3,829	2,344	1,105	397	60	3
All races, female	1,879	2,473	3,146	4,172	5,270	5,512	5,379	4,668	3,829	2,344	1,105	397	60	3
White, male	1,530	2,064	2,642	3,591	4,679	4,973	4,937	4,284	3,541	2,176	1,029	366	49	3
White, female	1,530	2,064	2,642	3,591	4,679	4,973	4,937	4,284	3,541	2,176	1,029	366	49	3
Black, male	324	367	459	520	538	501	407	357	274	161	76	31	11	-
Black, female	324	367	459	520	538	501	407	357	274	161	76	31	11	-
<b>Of male breast (175)</b>	<b>6</b>	<b>13</b>	<b>20</b>	<b>13</b>	<b>29</b>	<b>40</b>	<b>47</b>	<b>47</b>	<b>34</b>	<b>21</b>	<b>11</b>	<b>1</b>	<b>-</b>	<b>-</b>
All races, male	6	13	20	13	29	40	47	47	34	21	11	1	-	-
All races, female	6	13	20	13	29	40	47	47	34	21	11	1	-	-
White, male	4	9	12	11	27	33	44	37	27	14	7	-	-	-
White, female	4	9	12	11	27	33	44	37	27	14	7	-	-	-
Black, male	2	3	8	2	2	7	3	9	7	7	4	1	-	-
Black, female	2	3	8	2	2	7	3	9	7	7	4	1	-	-
<b>Malignant neoplasms of genital organs (178-187)</b>	<b>792</b>	<b>1,081</b>	<b>1,581</b>	<b>2,648</b>	<b>4,710</b>	<b>7,089</b>	<b>8,895</b>	<b>9,398</b>	<b>6,180</b>	<b>5,008</b>	<b>2,148</b>	<b>535</b>	<b>55</b>	<b>4</b>
All races, male	50	97	285	733	1,855	3,581	5,302	6,245	5,722	3,567	1,477	376	35	2
All races, female	742	984	1,316	1,915	2,855	3,508	3,593	3,151	2,458	1,421	669	159	20	2
White, male	43	74	188	570	1,482	2,883	4,429	5,205	4,895	3,101	1,288	312	19	1
White, female	603	811	1,083	1,611	2,433	3,024	3,161	2,769	2,198	1,297	603	144	17	-
Black, male	6	22	65	154	379	674	838	993	783	448	179	61	14	1
Black, female	122	132	188	260	376	441	406	355	245	118	64	12	3	2
<b>Of cervix uteri (180)</b>	<b>379</b>	<b>384</b>	<b>381</b>	<b>376</b>	<b>476</b>	<b>475</b>	<b>423</b>	<b>365</b>	<b>300</b>	<b>171</b>	<b>94</b>	<b>32</b>	<b>4</b>	<b>-</b>
All races, male	379	384	381	376	476	475	423	365	300	171	94	32	4	-
All races, female	379	384	381	376	476	475	423	365	300	171	94	32	4	-
White, male	287	296	258	273	359	385	330	282	236	138	77	24	3	-
White, female	287	296	258	273	359	385	330	282	236	138	77	24	3	-
Black, male	82	87	104	85	106	100	86	80	61	30	16	7	1	-
Black, female	82	87	104	85	106	100	86	80	61	30	16	7	1	-
<b>Of other parts of uterus (179,181-182)</b>	<b>68</b>	<b>107</b>	<b>180</b>	<b>347</b>	<b>701</b>	<b>949</b>	<b>1,075</b>	<b>953</b>	<b>765</b>	<b>422</b>	<b>220</b>	<b>44</b>	<b>5</b>	<b>1</b>
All races, male	68	107	180	347	701	949	1,075	953	765	422	220	44	5	1
All races, female	68	107	180	347	701	949	1,075	953	765	422	220	44	5	1
White, male	53	87	146	290	553	776	918	815	674	370	195	42	4	-
White, female	53	87	146	290	553	776	918	815	674	370	195	42	4	-
Black, male	14	18	30	58	130	166	159	128	66	51	25	2	1	1
Black, female	14	18	30	58	130	166	159	128	66	51	25	2	1	1
<b>Of ovary and other uterine adnexa (183)</b>	<b>284</b>	<b>481</b>	<b>724</b>	<b>1,138</b>	<b>1,807</b>	<b>1,877</b>	<b>1,955</b>	<b>1,683</b>	<b>1,238</b>	<b>684</b>	<b>270</b>	<b>55</b>	<b>4</b>	<b>1</b>
All races, male	284	481	724	1,138	1,807	1,877	1,955	1,683	1,238	684	270	55	4	1
All races, female	284	481	724	1,138	1,807	1,877	1,955	1,683	1,238	684	270	55	4	1
White, male	254	417	655	1,015	1,461	1,798	1,788	1,544	1,144	654	251	51	4	-
White, female	254	417	655	1,015	1,461	1,798	1,788	1,544	1,144	654	251	51	4	-
Black, male	24	51	57	106	122	154	152	107	88	28	18	2	-	-
Black, female														

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Malignant neoplasms of genital organs-Con.</b>														
<b>Of other and unspecified female genital organs (184)</b>	1,039	-	-	-	2	-	2	-	1	-	1	-	8	12
All races, male	1,039	-	-	-	2	-	2	-	1	-	1	-	8	12
All races, female	917	-	-	-	2	-	2	-	1	-	-	-	7	9
White, male	118	-	-	-	-	-	-	-	-	-	1	-	1	2
White, female														
Black, male														
Black, female														
<b>Of prostate (185)</b>	28,982	2	-	-	-	-	2	1	-	-	2	3	2	4
All races, male	28,982	2	-	-	-	-	2	1	-	-	2	3	2	4
All races, female	24,176	-	-	-	-	-	-	-	-	-	2	2	2	3
White, male	4,582	2	-	-	-	-	2	-	-	-	-	-	-	1
White, female														
Black, male														
Black, female														
<b>Of testis (186)</b>	367	-	-	-	-	1	1	-	2	8	45	60	69	37
All races, male	367	-	-	-	-	1	1	-	2	8	45	58	69	37
All races, female	344	-	-	-	-	-	-	-	2	8	39	55	57	34
White, male	17	-	-	-	-	1	1	-	-	-	3	2	2	3
White, female														
Black, male														
Black, female														
<b>Of penis and other male genital organs (187)</b>	211	-	-	-	-	-	-	-	-	-	1	3	1	4
All races, male	211	-	-	-	-	-	-	-	-	-	1	3	1	4
All races, female	174	-	-	-	-	-	-	-	-	-	1	3	1	4
White, male	32	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female														
Black, male														
Black, female														
<b>Malignant neoplasms of urinary organs (188-189)</b>														
<b>All races, male</b>	19,474	5	1	3	5	11	25	33	8	9	23	26	70	119
All races, female	12,389	3	-	-	4	4	11	18	4	5	10	14	45	77
White, male	7,085	2	1	3	1	7	14	15	4	4	10	12	25	36
White, female	11,366	2	-	-	3	3	8	12	1	3	8	6	31	53
Black, male	6,334	2	1	2	-	6	11	13	4	4	7	7	17	28
Black, female	812	1	-	-	1	-	2	6	3	2	5	6	14	20
Black, female	690	-	-	1	1	1	3	2	-	-	3	5	6	6
<b>Of bladder (188)</b>	9,805	-	-	-	-	-	-	1	1	1	2	5	15	15
All races, male	6,534	-	-	-	-	-	-	1	1	1	1	3	7	9
All races, female	3,271	-	-	-	-	-	-	-	-	1	1	2	8	6
White, male	6,077	-	-	-	-	-	-	-	1	1	1	2	5	5
White, female	2,874	-	-	-	-	-	-	-	1	1	1	1	6	6
Black, male	411	-	-	-	-	-	-	1	-	-	-	1	2	3
Black, female	371	-	-	-	-	-	-	-	-	-	-	1	2	-
<b>Of kidney and other and unspecified urinary organs (189)</b>	9,669	5	1	3	5	11	26	32	7	6	21	21	55	88
All races, male	5,855	3	-	-	4	4	11	17	3	4	12	11	38	65
All races, female	3,814	2	1	3	1	7	14	15	4	4	9	10	17	30
White, male	3,289	2	-	-	3	3	8	12	-	2	7	6	26	48
White, female	3,480	2	1	2	-	6	11	13	4	4	6	6	9	22
Black, male	501	1	-	-	1	-	2	6	3	2	5	5	12	17
Black, female	319	-	-	1	1	1	3	2	-	-	3	4	6	8
<b>Malignant neoplasms of other and unspecified sites (190-199)</b>														
<b>All races, male</b>	49,025	40	55	77	69	61	302	223	175	175	176	329	540	826
All races, female	25,711	28	24	44	38	30	162	120	96	93	100	199	306	454
White, male	23,914	14	31	33	31	31	140	103	79	82	78	130	234	372
White, female	22,662	22	23	34	31	25	135	96	76	75	83	165	270	386
Black, male	20,594	12	27	29	21	24	118	83	62	67	57	106	198	308
Black, female	2,748	3	1	8	6	6	23	21	14	15	19	28	32	64
Black, female	2,423	2	4	3	10	6	25	17	15	18	22	30	30	68
<b>Of eye (190)</b>	257	-	1	2	4	1	8	4	2	1	-	1	1	2
All races, male	123	-	-	1	1	-	2	1	1	1	-	-	1	2
All races, female	134	-	1	1	3	1	6	3	1	-	-	1	-	-
White, male	118	-	-	-	-	-	-	-	-	1	-	-	1	2
White, female	129	-	-	1	3	-	4	3	-	-	-	1	-	-
Black, male	6	-	-	1	1	-	2	-	1	-	-	-	-	-
Black, female	5	-	1	-	-	1	2	-	1	-	-	-	-	-
<b>Of brain (191)</b>	10,648	21	21	32	24	31	129	146	138	124	107	195	294	365
All races, male	5,930	13	9	15	11	16	69	77	76	85	57	126	168	221
All races, female	4,716	8	12	14	13	15	60	69	62	59	50	89	126	164
White, male	5,530	10	8	15	7	16	56	60	62	62	49	111	168	202
White, female	4,368	7	11	11	9	11	49	55	48	48	39	57	118	147
Black, male	345	2	1	2	4	2	11	15	10	10	8	11	9	19
Black, female	295	1	1	3	4	1	10	13	14	11	11	11	5	13
<b>Of other and unspecified parts of nervous system (192)</b>	297	3	1	3	2	-	8	9	3	4	7	12	8	13
All races, male	146	2	-	1	2	-	5	5	2	3	6	9	4	7
All races, female	151	1	1	2	-	-	4	4	1	1	1	3	4	6
White, male	129	2	-	1	2	-	5	3	1	2	4	9	3	6
White, female	134	1	1	2	-	-	4	3	1	1	1	3	3	6
Black, male	13	-	-	-	-	-	2	1	1	1	1	-	1	1
Black, female	16	-	-	-	-	-	1	1	1	1	-	-	1	-
<b>Of thyroid gland and other endocrine glands and related structures (193-194)</b>														
<b>All races, male</b>	1,667	12	27	38	36	28	141	49	12	11	14	18	30	41
All races, female	752	8	14	23	21	12	78	25	8	5	9	10	14	23
White, male	915	4	13	15	15	16	83	21	4	6	5	8	16	18
White, female	671	7	14	17	19	9	66	24	7	5	7	8	13	19
Black, male	787	3	11	14	9	12	49	16	2	5	5	7	13	16
Black, female	68	1	2	5	1	3	10	3	-	2	2	2	1	3
Black, female	100	1	2	-	6	4	13	8	2	1	-	-	2	1

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex 1	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Malignant neoplasms of genital organs—Con.</b>														
<b>Of other and unspecified female genital organs (184)</b> .....	11	12	31	54	71	107	140	170	155	144	85	26	7	-
All races, male.....	11	12	31	54	71	107	140	170	155	144	85	26	7	-
All races, female.....	9	11	24	43	60	85	125	148	145	195	60	27	6	-
White, male.....	2	1	7	11	10	21	15	21	10	9	5	1	1	-
White, female.....	7	10	17	32	50	64	110	127	135	186	55	26	5	-
Black, male.....	2	1	7	11	10	21	15	21	10	9	5	1	1	-
Black, female.....	7	10	17	32	50	64	110	127	135	186	55	26	5	-
<b>Of prostate (185)</b> .....	13	64	247	705	1,822	3,558	5,254	6,188	5,682	3,562	1,467	370	34	2
All races, male.....	13	64	247	705	1,822	3,558	5,254	6,188	5,682	3,562	1,467	370	34	2
All races, female.....	10	47	182	549	1,434	2,884	4,386	5,154	4,882	3,076	1,282	307	18	1
White, male.....	3	17	63	153	376	670	894	988	777	448	175	60	14	1
White, female.....	7	30	119	396	1,058	2,214	3,492	4,166	4,105	2,628	1,107	247	4	-
Black, male.....	2	1	7	11	10	21	15	21	10	9	5	1	1	-
Black, female.....	7	30	119	396	1,058	2,214	3,492	4,166	4,105	2,628	1,107	247	4	-
<b>Of testis (186)</b> .....	33	27	10	14	11	8	13	18	12	6	2	1	1	-
All races, male.....	33	27	10	14	11	8	13	18	12	6	2	1	1	-
All races, female.....	32	24	10	14	10	8	13	18	11	6	1	1	1	-
White, male.....	1	2	-	-	-	-	-	1	1	-	1	-	-	-
White, female.....	31	22	10	14	10	8	13	17	10	6	1	1	1	-
Black, male.....	2	3	2	1	3	4	4	4	5	-	3	1	-	-
Black, female.....	1	1	-	-	-	-	-	-	-	-	-	-	-	-
<b>Of penis and other male genital organs (187)</b> .....	4	6	8	14	22	15	35	38	28	19	8	5	-	-
All races, male.....	4	6	8	14	22	15	35	38	28	19	8	5	-	-
All races, female.....	1	3	6	13	18	11	30	33	22	19	5	4	-	-
White, male.....	2	3	2	1	3	4	4	4	5	-	3	1	-	-
White, female.....	1	3	6	13	18	11	30	33	22	19	5	4	-	-
Black, male.....	2	3	2	1	3	4	4	4	5	-	3	1	-	-
Black, female.....	1	3	6	13	18	11	30	33	22	19	5	4	-	-
<b>Malignant neoplasms of urinary organs (100-109)</b> .....	256	456	728	1,161	2,007	2,939	3,236	3,108	2,727	1,715	778	220	24	-
All races, male.....	165	308	516	813	1,383	1,820	2,154	2,044	1,630	880	263	88	10	-
All races, female.....	91	150	212	368	614	879	1,084	1,064	1,097	835	395	132	14	-
White, male.....	143	274	455	725	1,289	1,671	1,995	1,888	1,520	828	264	81	9	-
White, female.....	76	128	167	305	539	777	983	982	1,005	774	370	113	14	-
Black, male.....	22	29	55	75	84	135	142	140	83	43	18	7	1	-
Black, female.....	14	19	41	53	69	98	91	98	85	58	22	10	1	-
<b>Of bladder (188)</b> .....	45	91	187	374	788	1,218	1,672	1,788	1,700	1,174	581	174	16	-
All races, male.....	22	61	139	283	588	871	1,197	1,224	1,119	848	284	73	8	-
All races, female.....	23	30	48	91	180	347	475	562	587	526	277	101	7	-
White, male.....	19	55	123	253	543	804	1,128	1,131	1,049	611	272	68	7	-
White, female.....	17	28	32	69	148	295	422	497	523	481	258	85	7	-
Black, male.....	3	5	13	29	41	81	80	88	88	30	12	7	1	-
Black, female.....	6	3	15	19	30	51	48	60	61	42	19	16	1	-
<b>Of kidney and other and unspecified urinary organs (189)</b> .....	211	365	541	807	1,239	1,481	1,588	1,352	1,027	541	217	46	9	-
All races, male.....	143	245	377	530	805	948	957	820	517	232	89	15	2	-
All races, female.....	68	120	164	277	434	532	630	532	510	308	118	31	7	-
White, male.....	124	219	332	472	746	867	866	757	471	217	92	15	2	-
White, female.....	59	102	135	238	391	482	581	495	482	283	114	28	7	-
Black, male.....	19	24	42	46	53	74	82	54	37	19	6	-	-	-
Black, female.....	8	16	26	34	39	47	43	38	24	14	3	3	-	-
<b>Malignant neoplasms of other and unspecified sites (190-199)</b> .....	1,198	1,888	2,509	3,984	5,876	8,959	7,309	6,638	5,206	3,125	1,390	360	38	2
All races, male.....	698	1,007	1,435	2,338	3,373	4,020	3,838	3,205	2,292	1,215	455	112	5	2
All races, female.....	500	882	1,074	1,646	2,503	2,939	3,373	3,343	2,914	1,910	935	248	31	-
White, male.....	590	812	1,200	2,011	2,942	3,574	3,548	2,980	2,095	1,119	422	98	4	-
White, female.....	411	573	698	1,412	2,170	2,622	2,986	3,022	2,657	1,738	671	211	26	-
Black, male.....	95	174	217	284	366	407	358	300	171	84	27	12	1	2
Black, female.....	80	91	142	201	299	290	348	289	226	161	56	33	5	-
<b>Of eye (190)</b> .....	5	6	13	15	19	28	34	41	37	24	12	9	-	-
All races, male.....	4	4	7	6	13	17	14	19	18	6	5	2	-	-
All races, female.....	1	2	6	9	6	12	20	22	19	18	7	1	-	-
White, male.....	4	4	6	5	11	17	14	19	18	6	5	2	-	-
White, female.....	1	2	5	9	6	12	20	22	18	18	7	1	-	-
Black, male.....	-	1	-	-	2	-	-	-	-	-	-	-	-	-
Black, female.....	-	-	1	-	-	-	-	-	1	-	-	-	-	-
<b>Of brain (191)</b> .....	491	598	736	1,033	1,328	1,486	1,408	1,088	601	261	78	12	-	-
All races, male.....	308	372	439	605	779	867	745	546	272	112	26	2	-	-
All races, female.....	185	224	297	428	549	619	663	542	329	149	52	10	-	-
White, male.....	288	338	412	568	728	820	714	520	284	106	24	2	-	-
White, female.....	172	208	271	401	518	593	611	522	315	144	48	8	-	-
Black, male.....	14	32	24	39	49	38	27	22	7	8	2	-	-	-
Black, female.....	13	11	19	21	29	23	44	27	12	3	3	2	-	-
<b>Of other and unspecified parts of nervous system (192)</b> .....	7	10	18	33	29	34	36	24	28	12	9	-	-	-
All races, male.....	3	5	7	14	16	22	16	8	7	7	-	-	-	-
All races, female.....	4	5	11	19	13	12	20	16	19	5	3	-	-	-
White, male.....	2	6	7	13	15	19	14	8	6	7	-	-	-	-
White, female.....	4	6	8	14	12	18	15	17	5	3	-	-	-	-
Black, male.....	1	-	-	-	1	2	1	1	-	-	-	-	-	-
Black, female.....	-	-	3	5	1	-	2	1	2	-	-	-	-	-
<b>Of thyroid gland and other endocrine glands and related structures (193-194)</b> .....	53	58	68	95	147	173	215	209	168	107	44	11	3	-
All races, male.....	33	31	34	54	68	93	91	83	55	26	8	2	-	-
All races, female.....	20	27	34	41	78	80	124	126	113	81	38	9	3	-
White, male.....	27	28	29	48	62	66	85	74	52	26	6	-	-	-
White, female.....	11	24	29	35	58	70	110	116	109	70	33	7	3	-
Black, male.....	6	2	4	6	6	6	6	8	3	-	1	-	-	-
Black, female.....	8	3	2	4	16	9	11	7	2	10	4	2	-	-

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Malignant neoplasms of other and unspecified sites—Con.</b>														
Of all other and unspecified sites (195-199)	36,158	4	5	2	3	1	15	15	20	35	48	103	207	385
All races, male	18,760	3	1	1	2	—	8	9	9	19	28	54	119	201
All races, female	17,398	1	4	1	—	1	7	6	11	16	20	49	88	184
White, male	16,218	3	1	1	3	—	8	8	6	15	23	37	97	157
White, female	15,176	1	4	1	—	1	7	6	11	19	19	38	84	134
Black, male	2,316	—	—	—	—	—	—	1	2	4	4	15	21	41
Black, female	2,007	—	—	—	—	—	—	—	—	3	7	11	22	44
<b>Malignant neoplasms of lymphatic and hematopoietic tissues (200-206)</b>														
All races, male	44,782	24	54	54	45	59	236	269	237	369	459	604	753	972
All races, female	23,792	6	26	30	19	34	115	176	154	243	284	397	474	611
White, male	20,970	18	26	24	26	25	121	93	83	126	175	207	279	361
White, female	21,375	5	21	26	18	28	98	150	132	209	235	340	404	509
Black, male	10,822	15	22	21	20	18	86	75	67	106	142	174	223	308
Black, female	2,121	1	4	3	1	5	14	16	17	32	42	54	62	85
Black, female	1,901	3	2	2	5	5	17	11	9	12	31	29	51	44
<b>Lymphosarcoma and reticulosarcoma (200)</b>														
All races, male	2,465	—	3	1	3	6	13	20	18	27	30	41	38	57
All races, female	1,301	—	3	—	1	6	10	16	16	23	23	34	23	38
White, male	1,164	—	—	1	2	—	3	4	2	4	7	7	15	19
White, female	1,179	—	2	—	1	5	8	15	14	23	18	30	21	30
Black, male	1,099	—	—	1	2	—	3	2	2	4	6	7	14	18
Black, male	103	—	1	—	—	1	2	1	2	—	4	4	2	7
Black, female	52	—	—	—	—	—	—	1	—	—	1	—	1	1
<b>Hodgkin's disease (201)</b>														
All races, male	1,608	—	—	—	—	—	—	4	10	39	87	126	153	143
All races, female	845	—	—	—	—	—	—	3	4	20	48	79	94	93
White, male	663	—	—	—	—	—	—	1	6	19	39	47	59	50
White, female	851	—	—	—	—	—	—	3	2	17	41	72	79	83
Black, male	594	—	—	—	—	—	—	1	6	15	34	45	48	44
Black, male	64	—	—	—	—	—	—	—	2	3	7	6	15	9
Black, female	66	—	—	—	—	—	—	—	—	4	5	2	11	6
<b>Other malignant neoplasms of lymphoid and histiocytic tissue (202)</b>														
All races, male	14,794	3	1	2	2	7	15	17	21	46	78	161	243	312
All races, female	7,591	—	—	1	1	4	6	11	17	29	48	118	161	217
White, male	7,203	3	1	1	1	3	9	6	4	17	30	43	82	85
White, female	6,888	—	—	1	1	3	5	9	15	22	40	102	125	185
Black, male	6,730	3	—	1	1	3	8	6	4	14	23	36	60	82
Black, male	497	—	—	—	—	1	1	1	1	6	8	15	22	28
Black, female	395	—	—	—	—	—	—	—	—	7	6	21	13	13
<b>Multiple myeloma and immunoproliferative neoplasms (203)</b>														
All races, male	8,318	—	—	—	—	—	—	—	—	—	3	5	10	33
All races, female	4,231	—	—	—	—	—	—	—	—	—	3	4	6	16
White, male	4,087	—	—	—	—	—	—	—	—	—	—	1	4	15
White, female	3,582	—	—	—	—	—	—	—	—	—	2	3	6	14
Black, male	3,330	—	—	—	—	—	—	—	—	—	—	—	2	10
Black, male	631	—	—	—	—	—	—	—	—	—	1	1	—	4
Black, female	716	—	—	—	—	—	—	—	—	—	—	1	2	5
<b>Leukemia (204-208)</b>														
All races, male	17,577	21	50	51	40	46	208	228	188	257	261	271	309	427
All races, female	9,724	6	23	29	17	24	99	146	117	171	182	162	190	245
White, male	7,853	15	27	22	23	22	109	82	71	86	99	109	119	162
White, female	8,785	5	19	25	16	20	85	123	101	147	134	133	163	197
Black, male	7,069	12	22	19	17	15	85	66	55	73	79	86	99	154
Black, male	806	1	3	3	1	3	11	14	12	23	22	28	23	37
Black, female	672	3	2	2	5	5	17	10	9	8	18	20	16	19
<b>Lymphoid leukemia (204)</b>														
All races, male	5,015	7	20	16	18	22	83	117	97	108	83	70	49	60
All races, female	2,906	1	4	10	7	12	34	77	61	74	58	49	34	37
White, male	2,109	6	16	6	11	10	49	40	36	34	25	21	15	28
White, female	2,611	—	4	9	7	11	31	66	54	61	47	38	29	27
Black, male	1,802	5	11	6	7	6	35	31	30	29	23	15	14	21
Black, male	264	1	—	1	—	1	3	7	5	13	8	10	5	6
Black, female	185	1	2	—	3	3	9	6	3	4	2	4	1	5
<b>Myeloid leukemia (205)</b>														
All races, male	7,154	6	11	11	9	9	46	36	46	79	99	120	171	245
All races, female	3,849	3	8	6	4	5	26	22	24	55	57	67	102	136
White, male	3,305	3	3	5	5	4	20	14	22	24	42	53	69	107
White, female	3,488	3	7	5	3	4	22	17	20	49	48	65	87	112
Black, male	2,958	2	3	3	3	2	13	10	17	20	28	41	52	92
Black, male	300	—	—	—	1	—	1	2	4	6	10	12	14	20
Black, female	288	1	—	1	2	2	6	2	3	2	13	12	13	8
<b>Monocytic leukemia (206)</b>														
All races, male	288	1	3	3	3	2	12	3	4	2	3	2	6	6
All races, female	135	—	1	1	1	1	4	2	2	—	2	—	3	4
White, male	131	1	2	2	2	1	6	1	2	2	1	2	3	2
White, female	125	—	1	1	1	—	3	2	2	—	2	—	3	4
Black, male	119	1	2	2	2	1	8	—	1	2	1	2	3	2
Black, male	7	—	—	—	—	1	1	—	—	—	—	—	—	—
Black, female	8	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Other and unspecified leukemia (207-208)</b>														
All races, male	5,142	7	16	21	10	13	67	72	41	68	76	79	83	113
All races, female	2,894	2	10	12	5	6	35	45	30	42	45	46	51	66
White, male	2,308	5	8	9	5	7	32	27	11	26	31	33	32	47
White, female	2,581	2	7	10	5	5	29	38	25	37	39	40	44	54
Black, male	2,090	4	6	8	5	6	29	25	7	22	27	28	30	39
Black, male	235	—	3	2	—	1	6	5	3	4	4	6	4	11
Black, female	183	1	—	1	—	—	2	2	2	3	2	4	2	6
<b>Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)</b>														
All races, male	6,735	60	25	19	13	13	129	54	49	47	53	92	102	136
All races, female	3,012	26	14	8	6	8	62	27	22	30	29	48	53	82
White, male	3,723	34	11	10	7	5	67	27	27	17	24	44	49	56
White, female	2,639	21	10	6	5	8	50	22	19	22	23	41	39	72
Black, male	3,231	32	7	8	5	4	56	23	19	12	17	32	37	46
Black, male	330	4	4	2	1	—	11	4	2	5	4	5	19	9
Black, female	454	—	3	1	2	1	7	4	6	4	7	9	10	10

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Malignant neoplasms of other and unspecified sites—Con.</b>														
<b>Of all other and unspecified sites (195-199)</b>	640	1,019	1,674	2,808	4,353	5,237	5,616	5,266	4,374	2,721	1,253	334	33	2
All races, male	350	595	948	1,859	2,496	3,021	3,070	2,639	1,940	1,064	418	106	5	2
All races, female	290	424	726	1,149	1,857	2,216	2,546	2,627	2,434	1,657	835	228	28	—
White, male	289	439	746	1,377	2,126	2,632	2,722	2,339	1,765	975	387	94	4	—
White, female	223	334	595	959	1,578	1,935	2,227	2,348	2,189	1,501	780	195	23	—
Black, male	74	140	188	255	339	361	324	270	160	78	25	11	1	2
Black, female	69	77	117	171	253	258	291	284	209	148	49	29	5	—
<b>Malignant neoplasms of lymphatic and hematopoietic tissues (200-208)</b>														
All races, male	1,114	1,343	1,783	2,733	4,214	5,746	6,580	6,796	5,602	3,306	1,283	329	93	1
All races, female	670	817	1,050	1,628	2,442	3,180	3,547	3,475	2,594	1,372	469	103	10	1
White, male	444	525	723	1,105	1,772	2,588	3,033	3,321	3,038	1,934	814	226	23	—
White, female	567	688	913	1,423	2,213	2,959	3,243	3,190	2,360	1,271	435	96	9	1
Black, male	369	445	610	936	1,580	2,269	2,761	3,053	2,804	1,606	767	210	21	—
Black, female	89	112	127	185	200	274	270	253	156	95	31	7	1	—
Black, female	62	67	97	152	174	269	249	240	214	118	37	16	2	—
<b>Lymphosarcoma and reticulosarcoma (200)</b>														
All races, male	56	89	109	150	249	328	349	357	293	172	57	12	—	—
All races, female	31	62	72	85	139	171	166	173	126	72	17	4	—	—
White, male	25	27	37	65	110	157	183	184	167	100	40	8	—	—
White, female	26	48	61	72	131	160	154	159	119	69	17	4	—	—
Black, male	4	12	10	13	7	8	7	13	5	2	—	—	—	—
Black, female	—	1	4	7	4	9	8	6	—	—	—	—	—	—
<b>Hodgkin's disease (201)</b>														
All races, male	103	75	92	74	118	149	148	148	87	38	16	—	—	—
All races, female	65	54	73	42	80	81	73	66	43	17	10	—	—	—
White, male	38	21	19	32	38	38	33	32	21	6	—	—	—	—
White, female	59	47	65	40	72	76	68	62	41	16	8	—	—	—
Black, male	5	9	8	2	8	6	2	3	1	1	—	—	—	—
Black, female	8	1	6	1	5	6	5	1	—	—	—	—	—	—
<b>Other malignant neoplasms of lymphoid and histiocytic tissue (202)</b>														
All races, male	393	481	639	970	1,498	1,986	2,259	2,290	1,851	1,072	365	95	11	1
All races, female	244	310	380	594	892	1,044	1,158	1,068	761	403	129	26	4	1
White, male	149	171	259	376	626	942	1,101	1,222	1,090	689	236	69	7	—
White, female	207	268	331	538	810	968	1,088	1,018	725	380	122	24	4	1
Black, male	130	148	230	335	581	878	1,054	1,168	1,040	640	223	64	6	—
Black, female	31	40	39	49	44	60	59	37	25	22	7	2	—	—
Black, female	13	19	25	36	36	54	38	45	43	23	10	5	1	—
<b>Multiple myeloma and immunoproliferative neoplasms (203)</b>														
All races, male	90	191	316	587	902	1,313	1,430	1,421	1,137	641	188	47	4	—
All races, female	52	103	178	340	498	697	743	692	535	274	89	20	1	—
White, male	38	88	138	247	408	618	687	729	602	367	119	27	3	—
White, female	39	78	137	270	414	590	635	587	461	245	62	18	1	—
Black, male	22	61	100	175	322	486	562	620	520	316	108	23	3	—
Black, female	12	22	37	67	77	104	104	98	71	25	6	2	—	—
Black, female	16	25	36	67	80	122	121	99	78	51	9	4	—	—
<b>Leukemia (204-208)</b>														
All races, male	472	507	627	952	1,457	1,970	2,396	2,580	2,234	1,383	657	175	18	—
All races, female	278	288	357	567	865	1,187	1,407	1,476	1,099	606	244	59	5	—
White, male	194	219	270	385	592	783	899	1,104	1,135	777	413	122	13	—
White, female	238	247	318	503	788	1,078	1,297	1,384	1,034	581	228	50	4	—
Black, male	164	191	234	338	540	697	904	1,013	1,042	730	392	115	12	—
Black, female	36	32	33	54	64	97	98	102	54	45	17	3	1	—
Black, female	25	21	26	41	48	78	77	84	86	44	16	7	1	—
<b>Lymphoid leukemia (204)</b>														
All races, male	71	82	122	241	370	502	688	781	701	481	240	77	8	—
All races, female	49	48	79	161	241	331	418	458	359	208	102	23	5	—
White, male	22	34	43	80	129	171	250	323	342	273	158	54	4	—
White, female	37	42	72	142	211	298	375	423	344	196	94	20	4	—
Black, male	20	31	39	69	114	151	228	292	312	280	132	52	4	—
Black, female	10	6	7	15	25	32	40	35	13	12	8	3	1	—
Black, female	2	2	4	11	15	18	22	29	29	12	5	2	—	—
<b>Myeloid leukemia (205)</b>														
All races, male	273	287	318	439	658	863	969	1,008	797	458	192	45	5	—
All races, female	188	182	185	242	370	516	547	538	372	201	71	16	—	—
White, male	115	125	153	197	288	347	422	470	425	257	121	29	5	—
White, female	135	140	148	216	340	472	518	502	341	186	66	16	—	—
Black, male	98	106	131	172	271	309	368	438	388	238	115	27	4	—
Black, female	21	17	15	22	21	36	22	32	26	15	4	—	—	—
Black, female	14	15	15	20	16	32	29	28	32	18	5	2	1	—
<b>Monocytic leukemia (206)</b>														
All races, male	3	9	13	11	15	18	35	44	44	22	10	4	—	—
All races, female	1	6	8	8	6	10	18	28	24	5	4	—	—	—
White, male	2	3	5	3	9	6	17	16	20	17	6	4	—	—
White, female	1	4	7	7	6	9	18	27	21	5	4	—	—	—
Black, male	2	3	5	2	8	7	13	15	20	17	5	3	—	—
Black, female	—	1	1	1	1	1	—	—	2	—	—	—	—	—
Black, female	—	—	—	1	1	1	2	1	—	—	1	1	—	—
<b>Other and unspecified leukemia (207-208)</b>														
All races, male	125	129	174	261	414	587	724	747	692	422	215	49	4	—
All races, female	70	72	105	156	248	330	424	452	344	192	67	14	—	—
White, male	55	57	69	105	166	257	300	295	348	230	148	35	4	—
White, female	63	61	92	138	229	296	386	412	328	174	62	14	—	—
Black, male	44	51	59	95	147	230	275	268	322	215	140	39	4	—
Black, female	5	8	10	16	18	28	36	35	13	18	5	—	—	—
Black, female	9	4	7	9	17	27	24	26	25	14	5	2	—	—
<b>Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)</b>														
All races, male	135	186	227	321	521	688	878	990	984	702	346	77	15	1
All races, female	74	96	123	160	258	383	398	440	378	235	113	16	3	1
White, male	61	90	104	161	283	325	480	550	605	467	233	61	12	—
White, female	67	80	102	137	220	315	381	382	354	209	108	14	2	—
Black, male	50	70	86	132	217	269	418	487	544	438	215	56	9	—
Black, female	7	14	20	21	35	46	35	48	20	22	5	2	1	1
Black, female	8	19	16	27	43	59	61	59	57	27	17	5	3	—

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex *	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Benign neoplasms, carcinoma in situ, etc.—Con.</b>														
Benign neoplasms (210-228)	1,482	21	7	6	2	3	39	9	6	8	7	13	15	25
All races, male	541	9	3	1	1	2	16	6	2	6	2	4	7	9
All races, female	841	12	4	5	1	1	23	3	4	2	5	9	8	16
White, male	445	6	1	1	—	2	10	5	2	3	1	3	5	7
White, female	773	11	3	4	1	1	20	1	2	2	4	4	4	11
Black, male	86	2	2	—	1	—	5	1	—	2	1	1	2	2
Black, female	155	—	1	1	—	—	2	2	2	—	1	3	4	5
Of female genital organs (218-221)	45	1	—	—	—	—	1	—	—	—	—	—	2	4
All races, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, female	45	1	—	—	—	—	1	—	—	—	—	—	2	4
White, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, female	31	1	—	—	—	—	1	—	—	—	—	—	1	2
Black, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	13	—	—	—	—	—	—	—	—	—	—	—	1	2
Of eye, brain, and other parts of nervous system (224-225)	909	7	2	1	—	1	11	1	3	1	3	6	4	10
All races, male	294	3	1	—	—	1	5	1	1	1	2	1	1	4
All races, female	615	4	1	1	—	—	6	—	2	—	2	4	3	6
White, male	250	2	—	—	—	1	3	1	1	—	—	2	—	3
White, female	518	4	1	1	—	—	6	—	2	—	2	2	2	5
Black, male	39	1	1	—	—	—	2	—	—	—	1	—	1	1
Black, female	91	—	—	—	—	—	—	—	—	—	—	2	1	1
Of all other and unspecified sites (210-217,222-223,226-229)	528	13	5	5	2	2	27	8	9	7	4	7	9	11
All races, male	247	6	2	1	1	1	11	5	1	5	1	2	6	5
All races, female	281	7	3	4	1	1	16	3	2	2	3	5	3	6
White, male	185	4	1	1	—	1	7	4	1	3	1	1	5	4
White, female	224	6	2	3	1	1	13	1	—	2	2	2	1	4
Black, male	47	1	1	—	1	—	3	1	—	2	—	1	1	1
Black, female	52	—	1	1	—	—	2	2	2	—	1	1	2	2
Carcinoma in situ (230-234)	10	—	—	—	—	—	—	—	—	—	—	1	—	—
All races, male	4	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, female	6	—	—	—	—	—	—	—	—	—	—	1	—	—
White, male	3	—	—	—	—	—	—	—	—	—	—	—	—	—
White, female	5	—	—	—	—	—	—	—	—	—	—	1	—	—
Black, male	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Of breast and genitourinary system (233)	4	—	—	—	—	—	—	—	—	—	—	1	—	—
All races, male	1	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, female	3	—	—	—	—	—	—	—	—	—	—	1	—	—
White, male	1	—	—	—	—	—	—	—	—	—	—	—	—	—
White, female	3	—	—	—	—	—	—	—	—	—	—	1	—	—
Black, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Of all other and unspecified sites (230-232,234)	6	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, male	3	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, female	3	—	—	—	—	—	—	—	—	—	—	—	—	—
White, male	2	—	—	—	—	—	—	—	—	—	—	—	—	—
White, female	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, male	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Neoplasms of uncertain behavior (235-238)	1,538	22	3	3	2	2	32	6	10	8	8	22	24	15
All races, male	740	6	2	2	—	1	11	4	9	6	5	9	9	7
All races, female	798	16	1	1	2	1	21	2	7	2	3	13	15	8
White, male	980	5	1	1	—	1	8	4	2	6	4	7	7	8
White, female	712	15	—	—	2	1	18	2	4	2	2	12	12	7
Black, male	51	1	1	1	—	—	3	—	—	—	—	2	2	1
Black, female	75	—	1	—	—	—	1	—	3	—	1	1	3	1
Neoplasms of unspecified nature (239)	3,705	17	15	9	8	8	58	39	93	31	36	56	63	98
All races, male	1,727	10	5	5	5	5	35	17	17	18	22	35	37	66
All races, female	1,978	6	6	4	4	3	23	22	16	13	16	21	26	32
White, male	1,511	8	4	4	5	5	32	13	15	13	18	31	27	59
White, female	1,741	6	4	4	2	2	18	20	13	8	11	15	21	28
Black, male	192	1	1	1	—	—	3	3	2	3	3	2	9	6
Black, female	222	—	1	—	2	1	4	2	3	4	5	5	3	4
<b>III. Endocrine, nutritional, and metabolic diseases and immunity disorders (240-278)</b>														
Immunity disorders (240-278)	55,289	393	64	42	37	19	555	125	98	197	231	433	686	975
All races, male	23,299	204	32	20	18	9	283	43	38	67	123	234	444	605
All races, female	31,970	189	32	22	19	10	272	82	58	70	108	199	222	369
White, male	18,161	142	23	15	14	8	202	41	34	57	87	180	331	436
White, female	25,895	118	20	18	18	9	181	74	45	68	89	148	167	252
Black, male	3,727	53	9	4	4	1	71	1	3	8	24	50	107	164
Black, female	5,612	61	9	4	3	1	78	7	11	9	17	50	55	110
Endocrine and metabolic diseases and immunity disorders (240-259,270-278)	52,284	368	62	41	37	18	524	121	96	135	228	425	655	956
All races, male	22,203	101	31	19	18	9	288	42	38	66	120	231	435	593
All races, female	30,081	175	31	22	19	9	256	79	58	69	108	194	220	365
White, male	18,277	135	22	15	14	8	194	41	34	58	95	178	325	427
White, female	24,253	110	20	18	18	9	173	72	45	58	89	145	185	249
Black, male	3,532	47	9	3	4	1	64	1	3	8	24	49	105	160
Black, female	5,387	56	8	4	3	—	71	6	11	8	17	48	55	109
Disorders of thyroid gland (240-246)	730	3	—	—	—	—	3	—	—	2	2	9	6	8
All races, male	176	1	—	—	—	—	1	—	—	—	1	3	3	2
All races, female	554	2	—	—	—	—	2	—	—	2	1	5	3	6
White, male	142	1	—	—	—	—	1	—	—	—	1	1	2	1
White, female	480	1	—	—	—	—	1	—	—	1	—	—	—	4
Black, male	30	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	69	1	—	—	—	—	1	—	—	—	1	1	3	2

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Benign neoplasms, carcinoma in situ, etc.—Con.</b>														
Benign neoplasms (210-229) .....	35	41	38	71	120	148	203	248	231	149	68	7	2	1
All races, male .....	15	16	16	22	51	65	76	109	68	42	15	-	-	-
All races, female .....	20	26	20	49	69	83	127	145	183	107	53	7	2	1
White, male .....	13	8	13	19	43	51	66	85	65	34	14	-	-	-
White, female .....	18	17	15	30	58	64	100	124	142	89	49	5	1	-
Black, male .....	2	8	3	3	8	13	9	15	2	7	1	-	-	1
Black, female .....	1	9	5	12	19	19	28	20	19	7	4	2	1	-
Of female genital organs (218-221) .....	4	4	2	2	3	3	2	5	8	4	1	-	-	-
All races, male .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, female .....	4	4	2	2	3	3	2	5	8	4	1	-	-	-
White, male .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female .....	2	2	2	1	1	3	2	4	5	4	1	-	-	-
Black, male .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female .....	1	2	-	1	2	-	-	1	3	-	-	-	-	-
Of eye, brain, and other parts of nervous system (224-225) .....	12	16	23	45	74	104	125	176	152	92	45	5	1	-
All races, male .....	6	8	9	14	29	42	39	64	40	20	7	-	-	-
All races, female .....	6	8	14	31	45	62	66	112	112	72	30	5	1	-
White, male .....	4	3	6	11	25	35	35	57	39	18	7	-	-	-
White, female .....	6	6	9	24	37	47	73	96	97	66	34	3	1	-
Black, male .....	2	4	3	3	4	7	3	6	1	1	-	-	-	-
Black, female .....	-	2	5	6	8	14	13	15	14	5	3	2	-	-
Of all other and unspecified sites (210-217,222-223,225-229) .....	19	21	11	24	43	41	76	67	71	53	22	2	1	1
All races, male .....	9	7	7	8	22	23	37	39	28	22	8	-	-	1
All races, female .....	10	14	4	16	21	18	39	28	43	31	14	2	1	-
White, male .....	9	3	7	8	18	16	31	28	26	16	7	-	-	-
White, female .....	10	9	4	11	19	14	25	24	40	29	13	2	-	-
Black, male .....	-	4	-	-	4	6	6	9	1	6	1	-	-	1
Black, female .....	-	5	-	5	3	4	13	4	2	2	1	-	1	-
Carcinoma in situ (230-234) .....	-	2	-	-	2	-	1	2	2	-	-	-	-	-
All races, male .....	-	-	-	-	1	-	1	-	2	-	-	-	-	-
All races, female .....	-	2	-	-	1	-	-	2	-	-	-	-	-	-
White, male .....	-	-	-	-	-	-	1	-	2	-	-	-	-	-
White, female .....	-	2	-	-	-	-	-	2	-	-	-	-	-	-
Black, male .....	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Black, female .....	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Of breast and genitourinary system (233) .....	-	2	-	-	-	-	-	-	1	-	-	-	-	-
All races, male .....	-	-	-	-	-	-	-	-	1	-	-	-	-	-
All races, female .....	-	2	-	-	-	-	-	-	-	-	-	-	-	-
White, male .....	-	-	-	-	-	-	-	-	1	-	-	-	-	-
White, female .....	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Black, male .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Of all other and unspecified sites (230-232,234) .....	-	-	-	-	2	-	1	2	1	-	-	-	-	-
All races, male .....	-	-	-	-	1	-	1	-	1	-	-	-	-	-
All races, female .....	-	-	-	-	1	-	-	2	-	-	-	-	-	-
White, male .....	-	-	-	-	-	-	1	-	1	-	-	-	-	-
White, female .....	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Black, male .....	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Black, female .....	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Neoplasms of uncertain behavior (235-238) .....	17	37	48	63	98	154	209	260	241	179	87	19	1	-
All races, male .....	5	21	22	34	49	84	107	131	114	81	31	7	-	-
All races, female .....	12	16	26	29	49	70	102	129	127	88	56	12	1	-
White, male .....	5	20	18	29	44	76	102	122	108	74	31	7	-	-
White, female .....	9	13	21	24	40	60	92	118	116	84	54	11	1	-
Black, male .....	-	-	4	5	5	8	5	7	3	6	-	-	-	-
Black, female .....	1	3	4	5	7	10	9	10	9	4	2	1	-	-
Neoplasms of unspecified nature (239) .....	83	106	143	187	301	388	465	480	510	374	191	51	12	-
All races, male .....	54	60	85	104	157	214	214	206	195	112	67	9	3	-
All races, female .....	29	46	58	83	144	172	251	274	315	282	124	42	9	-
White, male .....	49	54	71	89	133	188	192	175	179	101	63	7	2	-
White, female .....	23	38	50	72	121	145	224	249	298	245	119	40	7	-
Black, male .....	5	6	13	13	21	25	21	26	15	9	4	2	1	-
Black, female .....	6	7	7	10	22	25	26	29	29	16	11	2	2	-
<b>III. Endocrine, nutritional, and metabolic diseases and immunity disorders (240-279) .....</b>														
All races, male .....	1,097	1,351	1,983	2,893	4,636	6,274	7,248	8,027	7,628	6,030	3,431	1,235	236	2
All races, female .....	689	787	1,020	1,439	2,244	2,937	3,162	3,265	2,806	1,865	917	289	47	2
White, male .....	428	584	943	1,454	2,392	3,337	4,086	4,762	4,820	4,165	2,514	936	189	-
White, female .....	492	601	755	1,112	1,770	2,398	2,655	2,774	2,452	1,698	895	262	37	2
Black, male .....	302	385	648	1,042	1,765	2,544	3,252	3,908	4,139	3,664	2,248	828	156	-
Black, female .....	186	182	241	299	429	481	453	440	310	187	77	36	8	-
Black, female .....	124	164	272	383	568	726	776	787	634	468	241	101	31	-
<b>Endocrine and metabolic diseases and immunity disorders (240-259,270-278) .....</b>														
All races, male .....	1,074	1,334	1,944	2,855	4,554	6,139	7,028	7,672	7,076	5,367	2,922	895	180	2
All races, female .....	658	778	1,005	1,417	2,203	2,869	3,059	3,126	2,582	1,660	794	236	33	2
White, male .....	416	556	839	1,438	2,351	3,276	3,975	4,546	4,494	3,707	2,128	759	147	-
White, female .....	487	596	748	1,101	1,742	2,343	2,571	2,657	2,254	1,462	727	212	27	2
Black, male .....	294	378	645	1,032	1,734	2,484	3,164	3,710	3,856	3,250	1,902	670	119	-
Black, female .....	161	158	236	288	416	474	429	418	285	162	52	23	6	-
Black, female .....	120	163	271	377	558	715	756	764	596	426	206	83	27	-
<b>Disorders of thyroid gland (240-246) .....</b>														
All races, male .....	11	13	17	28	30	56	75	107	125	124	85	21	9	-
All races, female .....	4	3	8	5	9	14	21	25	28	33	12	2	2	-
White, male .....	7	10	9	23	21	42	54	82	97	91	73	19	7	-
White, female .....	4	1	7	4	8	10	14	21	26	26	11	2	2	-
Black, male .....	5	6	3	20	18	37	48	70	88	86	67	18	6	-
Black, female .....	-	2	1	1	1	4	6	4	2	6	-	-	-	-
Black, female .....	2	3	5	3	3	5	8	11	9	4	6	1	1	-



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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex 1	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Endocrine and metabolic diseases and immunity disorders-Con.</b>														
Diabetes mellitus (250)	40,368	1	2	1	4	1	9	15	16	31	88	237	410	841
All races, male	16,975	-	1	-	2	-	3	5	7	18	49	123	268	386
All races, female	23,393	1	1	1	2	1	6	10	9	13	39	114	151	255
White, male	14,008	-	1	-	2	-	3	5	6	13	37	93	210	284
White, female	18,684	-	1	1	2	1	5	7	7	8	29	80	116	183
Black, male	2,640	-	-	-	-	-	-	-	1	4	12	29	54	99
Black, female	4,332	1	-	-	-	-	1	3	2	4	8	33	35	65
Disorders of the pituitary gland and its hypothalamic control (253)	165	2	-	3	2	-	7	2	1	1	2	2	2	2
All races, male	74	1	-	2	1	-	4	2	-	1	1	1	1	2
All races, female	111	1	-	1	1	-	3	-	1	-	1	1	1	-
White, male	57	1	-	1	-	-	2	2	-	1	1	1	1	2
White, female	102	-	-	-	1	-	1	-	1	-	-	1	1	-
Black, male	16	-	-	1	1	-	2	-	-	-	-	-	1	-
Black, female	9	1	-	1	-	-	2	-	-	-	1	-	-	-
Diseases of thymus gland (254)	7	5	-	-	-	-	5	-	-	-	1	-	-	-
All races, male	4	3	-	-	-	-	3	-	-	-	1	-	-	-
All races, female	3	2	-	-	-	-	2	-	-	-	-	-	-	-
White, male	3	2	-	-	-	-	2	-	-	-	1	-	-	-
White, female	3	2	-	-	-	-	2	-	-	-	-	-	-	-
Black, male	1	1	-	-	-	-	1	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disorders of adrenal glands (255)	232	5	3	1	1	1	11	-	2	1	2	8	1	8
All races, male	96	4	-	-	-	-	4	-	-	-	1	5	1	6
All races, female	138	1	3	1	1	1	7	-	2	1	1	3	-	2
White, male	79	3	-	-	-	-	3	-	-	-	-	5	1	4
White, female	117	1	1	1	1	1	5	-	1	-	1	3	-	2
Black, male	16	1	-	-	-	-	1	-	-	-	1	-	-	2
Black, female	17	-	2	-	-	-	2	-	1	-	-	-	-	-
Cystic fibrosis (277.0)	356	10	5	3	1	3	22	54	37	60	62	60	32	12
All races, male	152	7	2	-	-	1	10	14	15	25	27	31	14	4
All races, female	204	3	3	3	1	2	12	40	22	35	35	29	18	8
White, male	146	6	2	-	-	1	9	14	14	23	27	31	13	4
White, female	197	3	2	2	1	2	10	40	19	34	35	29	18	7
Black, male	6	1	-	-	-	-	1	-	1	2	-	-	1	-
Black, female	6	-	1	1	-	-	2	-	2	1	-	-	-	1
Obesity (278.0)	1,135	-	-	-	-	-	-	2	2	5	9	10	52	81
All races, male	504	-	-	-	-	-	-	1	1	3	5	11	34	44
All races, female	631	-	-	-	-	-	-	-	1	2	4	8	18	37
White, male	396	-	-	-	-	-	-	2	-	3	3	7	25	31
White, female	465	-	-	-	-	-	-	-	-	1	4	6	11	20
Black, male	101	-	-	-	-	-	-	-	-	-	2	4	9	13
Black, female	164	-	-	-	-	-	-	-	1	1	-	2	7	17
All other endocrine and metabolic diseases and immunity disorders (251-252,256-259, 270-276,277.1-277.9,278.1-279)	9,271	340	52	33	29	13	457	46	38	35	62	91	143	206
All races, male	4,222	175	28	17	15	8	243	19	15	19	35	57	114	149
All races, female	5,049	165	24	16	14	5	224	29	23	16	27	34	29	57
White, male	3,446	122	19	14	12	7	174	18	14	16	25	40	74	101
White, female	4,204	103	16	14	11	5	149	25	17	14	20	22	19	33
Black, male	722	44	9	2	3	1	59	1	1	2	9	14	38	46
Black, female	790	53	5	2	3	-	63	3	5	2	7	12	10	24
Nutritional deficiencies (260-269)	2,985	27	2	1	-	1	31	4	-	2	3	8	11	17
All races, male	1,096	13	1	1	-	-	15	1	-	1	3	3	9	13
All races, female	1,889	14	1	-	-	1	16	3	-	1	-	5	2	4
White, male	884	7	1	-	-	-	8	-	-	1	2	2	6	9
White, female	1,642	8	-	-	-	-	8	2	-	-	-	3	2	3
Black, male	195	6	-	1	-	-	7	-	-	-	-	1	2	4
Black, female	225	5	1	-	-	1	7	1	-	1	-	2	-	1
Nutritional marasmus (261)	296	3	-	-	-	-	3	1	-	1	-	2	2	6
All races, male	127	2	-	-	-	-	2	-	-	1	-	1	1	6
All races, female	169	1	-	-	-	-	1	1	-	-	-	1	1	-
White, male	99	2	-	-	-	-	2	-	-	1	-	-	-	3
White, female	130	1	-	-	-	-	1	-	-	-	-	-	1	-
Black, male	27	-	-	-	-	-	-	-	-	-	-	1	1	3
Black, female	37	-	-	-	-	-	-	1	-	-	-	1	-	-
Other protein-calorie malnutrition (262-263)	2,502	21	1	1	-	1	24	2	-	1	3	6	8	10
All races, male	896	9	-	1	-	-	10	1	-	-	3	2	7	6
All races, female	1,606	12	1	-	-	1	14	1	-	1	-	4	1	4
White, male	723	4	-	-	-	-	4	-	-	-	2	2	5	5
White, female	1,411	6	-	-	-	-	6	1	-	-	-	3	1	3
Black, male	159	5	-	1	-	-	6	-	-	-	-	-	1	1
Black, female	176	5	1	-	-	1	7	-	-	1	-	1	-	1
All other nutritional deficiencies (260,264-269)	167	9	1	-	-	-	4	1	-	-	-	-	1	1
All races, male	73	2	1	-	-	-	3	-	-	-	-	-	1	1
All races, female	114	1	-	-	-	-	1	1	-	-	-	-	-	-
White, male	62	1	1	-	-	-	2	-	-	-	-	-	1	1
White, female	101	1	-	-	-	-	1	1	-	-	-	-	-	-
Black, male	9	1	-	-	-	-	1	-	-	-	-	-	-	-
Black, female	12	-	-	-	-	-	-	-	-	-	-	-	-	-
IV. Diseases of blood and blood-forming organs (280-289)	8,315	75	25	18	10	11	139	37	35	65	96	111	141	180
All races, male	3,971	47	14	8	7	8	84	24	11	34	55	62	90	91
All races, female	4,344	28	11	10	3	3	55	13	24	31	41	49	51	78
White, male	3,325	35	4	3	1	4	47	12	6	20	25	30	47	41
White, female	3,639	12	5	2	1	2	22	7	15	11	14	27	26	34
Black, male	578	9	7	5	6	4	31	11	4	12	29	31	40	48
Black, female	655	10	6	8	2	1	27	6	8	19	26	21	25	43

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex <sup>1</sup>	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Endocrine and metabolic diseases and immunity disorders—Con.</b>														
Diabetes mellitus (250)	754	983	1,509	2,305	3,804	5,170	5,922	6,370	5,537	3,992	1,898	581	77	--
All races, male	456	591	764	1,130	1,810	2,377	2,535	2,571	1,991	1,218	517	140	16	--
All races, female	298	402	745	1,175	1,994	2,793	3,387	3,799	3,546	2,774	1,381	441	61	--
White, male	338	445	557	871	1,422	1,856	2,135	2,185	1,746	1,073	482	124	13	--
White, female	212	273	504	827	1,452	2,101	2,681	3,080	3,037	2,421	1,229	387	45	--
Black, male	111	124	191	295	377	350	354	334	206	115	31	15	2	--
Black, female	84	116	220	324	489	629	657	660	473	329	136	49	16	--
Disorders of the pituitary gland and its hypothalamic control (253)	--	2	3	13	13	15	22	33	30	17	12	5	1	--
All races, male	--	--	--	7	5	6	12	15	10	4	1	1	1	--
All races, female	--	2	3	6	8	9	10	18	20	13	11	4	--	--
White, male	--	--	2	5	4	4	11	11	8	4	1	1	1	--
White, female	--	2	3	5	8	9	9	18	19	12	9	4	--	--
Black, male	--	--	--	5	--	2	1	4	1	--	--	--	--	--
Black, female	--	--	--	1	--	--	1	--	1	1	2	--	--	--
Diseases of thymus gland (254)	1	--	--	--	--	--	--	--	--	--	--	--	--	--
All races, male	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All races, female	1	--	--	--	--	--	--	--	--	--	--	--	--	--
White, male	--	--	--	--	--	--	--	--	--	--	--	--	--	--
White, female	1	--	--	--	--	--	--	--	--	--	--	--	--	--
Black, male	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Black, female	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Disorders of adrenal glands (255)	9	13	9	18	18	23	31	31	31	11	3	2	--	--
All races, male	4	3	3	4	5	11	19	11	13	3	2	1	--	--
All races, female	5	10	6	14	13	12	12	20	18	8	1	1	--	--
White, male	4	2	2	2	2	9	11	17	9	10	3	2	1	--
White, female	3	7	5	12	10	12	11	18	17	7	1	1	--	--
Black, male	1	1	1	2	2	--	2	1	3	--	--	--	--	--
Black, female	2	3	--	1	3	--	1	2	1	1	--	--	--	--
Cystic fibrosis (277.0)	5	6	2	--	--	1	2	--	--	--	1	--	--	--
All races, male	4	4	1	--	--	1	2	--	--	--	--	--	--	--
All races, female	1	2	1	--	--	--	--	--	--	--	1	--	--	--
White, male	4	3	1	--	--	1	2	--	--	--	--	--	--	--
White, female	1	2	1	--	--	--	--	--	--	--	1	--	--	--
Black, male	--	1	--	--	--	--	--	--	--	--	--	--	--	--
Black, female	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Obesity (278.0)	90	86	126	110	139	133	120	68	56	18	9	1	--	--
All races, male	50	48	64	52	58	57	36	18	17	2	2	--	--	--
All races, female	40	48	62	58	80	76	84	50	39	16	7	1	--	--
White, male	31	42	48	44	47	47	32	14	16	2	2	--	--	--
White, female	26	29	42	42	65	55	66	44	34	13	7	1	--	--
Black, male	18	6	13	7	10	10	4	4	1	--	--	--	--	--
Black, female	14	19	20	16	14	21	18	6	5	3	--	--	--	--
All other endocrine and metabolic diseases and immunity disorders (251-252,256-259, 270-276,277.1-277.9,278.1-279)	204	211	278	381	551	741	856	1,063	1,297	1,205	914	385	93	2
All races, male	140	129	165	219	316	397	428	486	523	400	260	92	14	2
All races, female	64	82	113	162	235	344	428	577	774	805	654	293	79	--
White, male	106	103	131	178	257	314	360	407	448	354	229	84	11	2
White, female	46	59	86	128	181	280	351	489	661	711	588	259	68	--
Black, male	32	24	30	38	53	81	66	72	72	41	31	8	3	--
Black, female	16	22	26	32	49	61	71	85	107	98	62	33	10	--
Nutritional deficiencies (260-269)	23	17	19	38	62	105	220	355	552	669	509	240	56	--
All races, male	11	8	15	22	41	74	109	139	226	205	123	63	14	--
All races, female	12	9	4	16	41	61	111	216	326	458	386	177	42	--
White, male	5	5	9	11	28	55	84	117	198	176	108	50	10	--
White, female	8	7	3	10	31	50	88	189	283	414	346	158	37	--
Black, male	5	4	5	11	13	17	24	21	25	25	15	13	3	--
Black, female	4	1	1	6	10	11	20	23	38	42	35	18	4	--
Nutritional marasmus (261)	7	1	1	7	19	11	21	36	76	51	37	14	--	--
All races, male	4	1	1	5	11	5	11	16	30	16	12	4	--	--
All races, female	3	--	--	2	8	6	10	20	46	35	25	10	--	--
White, male	3	1	1	1	7	5	7	14	27	13	11	3	--	--
White, female	--	--	--	1	6	5	8	18	37	25	20	8	--	--
Black, male	1	--	--	4	4	4	4	2	3	2	1	1	--	--
Black, female	3	--	--	1	2	1	1	2	8	10	5	2	--	--
Other protein-calorie malnutrition (262-263)	15	15	13	25	59	111	184	283	449	576	445	217	54	--
All races, male	7	7	10	14	29	60	89	114	162	180	106	55	14	--
All races, female	8	8	3	11	30	51	95	169	267	396	339	162	40	--
White, male	2	3	8	8	20	44	69	94	159	154	83	43	10	--
White, female	7	7	2	7	23	42	74	148	238	365	306	145	35	--
Black, male	4	4	4	6	9	15	19	19	20	23	13	12	3	--
Black, female	1	1	1	4	7	9	19	20	25	31	28	16	4	--
All other nutritional deficiencies (260,264-269)	1	1	5	6	4	13	15	36	27	34	27	9	2	--
All races, male	--	1	4	3	4	9	9	9	14	9	5	4	--	--
All races, female	1	--	1	3	3	4	6	27	13	25	22	5	2	--
White, male	--	1	2	2	1	6	8	9	12	9	4	4	--	--
White, female	1	--	1	2	2	3	6	25	8	24	20	5	2	--
Black, male	--	--	1	1	1	2	1	--	2	1	--	--	--	--
Black, female	--	--	--	1	1	1	--	1	5	1	2	--	--	--
<b>IV. Diseases of blood and blood-forming organs (280-289)</b>														
All races, male	154	193	209	341	511	758	983	1,273	1,212	1,048	598	203	39	--
All races, female	91	110	117	178	272	405	563	637	515	384	203	58	10	--
White, male	63	83	92	163	239	353	423	636	697	684	395	145	29	--
White, female	56	77	86	134	235	359	519	578	469	330	191	52	9	--
Black, male	40	53	66	120	195	300	362	562	635	630	365	133	22	--
Black, female	31	31	30	40	33	39	37	45	41	26	12	6	1	--
Black, female	21	30	25	42	38	50	54	66	57	50	28	11	7	--

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex 1	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Anemias (280-285)</b>	<b>3,816</b>	<b>27</b>	<b>14</b>	<b>13</b>	<b>9</b>	<b>7</b>	<b>70</b>	<b>27</b>	<b>27</b>	<b>41</b>	<b>69</b>	<b>66</b>	<b>78</b>	<b>63</b>
All races, male	1,814	15	8	5	7	5	40	17	8	22	41	35	48	42
All races, female	2,002	12	6	8	2	2	30	10	19	19	28	31	30	41
White, male	1,247	8	2	2	1	2	15	7	3	11	18	7	13	12
White, female	1,787	2	-	-	-	1	3	5	11	5	8	14	11	11
Black, male	337	4	5	3	6	3	21	10	4	10	24	27	34	30
Black, female	394	5	6	8	2	1	22	5	7	13	20	16	19	29
<b>Deficiency anemias (280-281)</b>	<b>289</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>
All races, male	104	-	-	-	-	-	-	-	-	1	-	-	1	-
All races, female	185	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	92	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	167	-	-	-	-	-	-	-	-	1	-	-	-	-
Black, male	11	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	18	-	-	-	-	-	-	-	-	-	-	-	1	-
<b>Hemolytic anemias (282-283)</b>	<b>658</b>	<b>23</b>	<b>13</b>	<b>11</b>	<b>9</b>	<b>8</b>	<b>62</b>	<b>7</b>	<b>10</b>	<b>28</b>	<b>45</b>	<b>42</b>	<b>49</b>	<b>60</b>
All races, male	328	11	7	4	7	4	33	5	3	12	27	25	29	31
All races, female	368	12	6	7	2	2	29	2	7	14	18	16	20	29
White, male	124	4	1	1	1	1	8	1	-	2	4	-	2	2
White, female	190	2	-	-	-	1	3	-	1	1	2	3	4	6
Black, male	194	4	5	3	6	3	21	4	3	9	22	28	27	29
Black, female	170	5	6	7	2	1	21	2	6	12	16	13	18	23
<b>Aplastic anemia (284)</b>	<b>1,302</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>8</b>	<b>20</b>	<b>15</b>	<b>12</b>	<b>22</b>	<b>21</b>	<b>23</b>	<b>12</b>
All races, male	614	3	1	1	-	1	8	12	5	8	12	8	15	7
All races, female	688	-	-	-	-	-	-	8	10	4	10	13	8	5
White, male	554	3	1	1	-	1	8	8	3	7	10	6	9	6
White, female	617	-	-	-	-	-	-	5	9	3	6	11	7	4
Black, male	49	-	-	-	-	-	-	6	1	1	2	1	5	1
Black, female	66	-	-	-	-	-	-	3	-	1	4	1	1	-
<b>Other and unspecified anemias (285)</b>	<b>1,529</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>5</b>	<b>11</b>
All races, male	568	1	-	-	-	-	1	-	2	1	1	1	4	4
All races, female	961	-	-	1	-	-	1	-	2	1	-	2	1	7
White, male	477	1	-	-	-	-	1	-	-	2	1	1	2	4
White, female	613	-	-	-	-	-	-	-	1	1	-	-	-	1
Black, male	83	-	-	-	-	-	-	-	-	-	-	-	2	-
Black, female	140	-	-	1	-	-	1	-	1	-	-	2	1	6
<b>Purpura and other hemorrhagic conditions (287)</b>	<b>709</b>	<b>5</b>	<b>-</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>10</b>	<b>3</b>	<b>3</b>	<b>8</b>	<b>12</b>	<b>10</b>	<b>13</b>	<b>16</b>
All races, male	308	3	-	1	-	1	5	3	1	3	7	4	7	7
All races, female	401	2	-	1	1	1	5	2	5	5	5	6	6	11
White, male	273	3	-	1	-	-	4	2	1	3	6	2	4	3
White, female	350	-	-	1	1	1	3	-	2	3	2	5	5	5
Black, male	32	-	-	-	-	1	1	1	-	1	2	1	3	4
Black, female	46	2	-	-	-	-	2	-	-	2	2	1	1	6
<b>All other diseases of blood and blood-forming organs (286,288-289)</b>	<b>3,790</b>	<b>43</b>	<b>11</b>	<b>3</b>	<b>-</b>	<b>2</b>	<b>59</b>	<b>7</b>	<b>5</b>	<b>16</b>	<b>15</b>	<b>35</b>	<b>50</b>	<b>68</b>
All races, male	2,049	29	6	2	-	2	39	4	2	9	7	23	35	42
All races, female	1,741	14	5	1	-	-	20	3	3	7	8	12	15	26
White, male	1,805	24	2	-	-	2	28	3	2	6	3	21	30	26
White, female	1,502	10	5	1	-	-	16	2	2	3	4	8	10	18
Black, male	210	5	2	2	-	-	9	-	2	4	2	3	3	15
Black, female	215	3	-	-	-	-	3	1	1	4	4	4	5	8
<b>V. Mental disorders (290-319)</b>	<b>24,018</b>	<b>9</b>	<b>6</b>	<b>6</b>	<b>3</b>	<b>8</b>	<b>32</b>	<b>31</b>	<b>24</b>	<b>83</b>	<b>179</b>	<b>406</b>	<b>820</b>	<b>1,128</b>
All races, male	11,970	5	4	4	3	6	22	18	13	56	140	274	611	878
All races, female	12,048	4	2	2	-	2	10	13	11	27	39	132	209	250
White, male	9,191	3	3	3	2	5	18	14	7	45	98	190	384	495
White, female	10,678	3	1	2	-	2	8	11	8	21	30	84	105	117
Black, male	2,566	1	1	1	1	1	4	4	5	9	36	76	215	363
Black, female	1,268	1	1	-	-	-	2	2	3	4	8	42	96	125
<b>Senile and presenile organic psychotic conditions (290)</b>	<b>6,734</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>
All races, male	2,886	-	-	-	-	-	-	-	-	-	-	-	-	2
All races, female	4,348	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	2,161	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	4,085	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	199	-	-	-	-	-	-	-	-	-	-	-	-	2
Black, female	241	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Alcoholic psychoses (291)</b>	<b>372</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>1</b>	<b>8</b>	<b>16</b>	<b>26</b>
All races, male	318	-	-	-	-	-	-	-	-	2	1	6	13	26
All races, female	54	-	-	-	-	-	-	-	-	-	-	2	5	2
White, male	203	-	-	-	-	-	-	-	-	2	-	4	4	15
White, female	37	-	-	-	-	-	-	-	-	-	-	-	4	-
Black, male	109	-	-	-	-	-	-	-	-	-	-	2	8	11
Black, female	15	-	-	-	-	-	-	-	-	-	-	1	1	2
<b>All other psychoses (292-299)</b>	<b>3,284</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6</b>	<b>7</b>	<b>11</b>	<b>17</b>	<b>14</b>
All races, male	1,319	-	-	-	-	-	-	-	-	6	6	7	7	14
All races, female	1,965	-	-	-	-	-	-	-	-	-	1	4	3	3
White, male	1,138	-	-	-	-	-	-	-	-	4	2	4	10	4
White, female	1,799	-	-	-	-	-	-	-	-	-	1	3	3	3
Black, male	158	-	-	-	-	-	-	-	-	2	4	3	3	3
Black, female	151	-	-	-	-	-	-	-	-	-	-	1	1	-
<b>Alcohol dependence syndrome (303)</b>	<b>4,718</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8</b>	<b>18</b>	<b>76</b>	<b>214</b>	<b>425</b>
All races, male	3,709	-	-	-	-	-	-	-	-	5	16	43	157	351
All races, female	1,009	-	-	-	-	-	-	-	-	3	2	36	57	74
White, male	2,521	-	-	-	-	-	-	-	-	5	8	30	88	204
White, female	682	-	-	-	-	-	-	-	-	3	-	17	25	34
Black, male	1,085	-	-	-	-	-	-	-	-	-	7	12	64	134
Black, female	312	-	-	-	-	-	-	-	-	2	14	27	27	36

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Anemias (280-285)</b>	62	75	80	120	145	225	354	533	595	615	386	157	28	-
All races, male	36	42	31	58	74	115	180	244	224	181	107	42	7	-
All races, female	26	33	29	62	71	110	164	289	371	424	279	115	21	-
White, male	18	22	18	44	64	92	177	212	200	171	101	38	6	-
White, female	9	14	20	38	55	90	139	253	333	386	258	107	16	-
Black, male	17	20	13	13	10	18	12	26	22	15	6	4	1	-
Black, female	17	19	9	23	16	20	22	35	35	35	20	7	5	-
<b>Deficiency anemias (280-281)</b>	3	2	2	7	7	10	21	42	60	63	48	29	5	-
All races, male	2	2	1	5	4	4	10	22	13	18	10	10	2	-
All races, female	1	-	1	2	3	6	11	20	37	45	38	19	3	-
White, male	2	1	1	4	2	3	10	18	12	16	10	9	2	-
White, female	1	-	1	2	1	6	10	16	34	41	34	18	3	-
Black, male	-	1	-	-	2	1	-	2	1	2	-	1	-	-
Black, female	-	-	-	1	2	-	1	4	3	4	2	1	-	-
<b>Hemolytic anemias (282-283)</b>	33	30	20	30	29	35	44	60	60	37	14	3	-	-
All races, male	16	16	9	16	13	17	19	24	20	9	6	-	-	-
All races, female	17	14	11	14	16	18	25	36	40	31	8	3	-	-
White, male	3	4	1	8	10	13	18	20	18	6	4	-	-	-
White, female	4	2	6	5	7	11	12	22	33	35	30	8	2	-
Black, male	13	12	5	7	3	3	1	2	2	-	2	-	-	-
Black, female	13	12	5	9	5	6	2	3	4	1	-	1	-	-
<b>Aplastic anemia (284)</b>	18	24	22	55	69	106	144	209	206	174	107	92	5	-
All races, male	13	15	13	29	35	59	81	101	91	59	35	6	2	-
All races, female	5	9	9	26	34	47	63	108	115	115	72	24	3	-
White, male	11	13	13	26	33	51	75	93	85	57	35	7	2	-
White, female	3	8	8	21	27	39	57	101	103	108	71	24	2	-
Black, male	1	2	1	5	2	5	5	5	5	2	1	1	-	-
Black, female	2	1	1	5	7	8	6	6	11	7	1	-	1	-
<b>Other and unspecified anemias (285)</b>	8	19	16	28	40	74	145	222	279	341	219	89	18	-
All races, male	5	9	8	8	22	35	80	97	100	108	56	24	3	-
All races, female	3	10	8	20	18	39	65	125	179	233	163	69	15	-
White, male	2	4	3	6	19	25	74	80	85	92	52	22	2	-
White, female	1	4	5	11	16	33	50	103	161	207	145	63	11	-
Black, male	3	5	5	2	3	6	6	17	14	11	4	2	1	-
Black, female	2	6	3	9	2	8	13	22	17	23	17	5	4	-
<b>Purpura and other hemorrhagic conditions (287)</b>	13	21	26	24	38	77	85	105	100	79	46	14	4	-
All races, male	6	9	14	13	16	41	40	51	32	27	17	4	1	-
All races, female	7	12	12	11	22	36	45	54	68	52	29	10	3	-
White, male	4	9	9	4	17	32	38	45	30	25	17	3	1	-
White, female	7	8	9	10	16	37	48	45	30	25	17	3	1	-
Black, male	2	1	-	3	-	4	1	5	2	1	1	1	1	-
Black, female	2	4	3	1	4	3	3	5	4	1	2	1	1	-
<b>All other diseases of blood and blood-forming organs (286,288-289)</b>	79	97	123	197	328	456	544	635	517	354	166	32	7	-
All races, male	49	59	72	107	192	249	330	342	259	146	79	12	2	-
All races, female	30	38	51	90	136	207	214	293	258	208	87	20	5	-
White, male	26	47	54	80	155	230	304	321	259	154	78	11	2	-
White, female	24	31	37	71	123	178	182	261	238	183	60	17	4	-
Black, male	12	10	17	24	23	17	24	14	17	10	6	1	-	-
Black, female	4	7	13	18	18	27	29	26	16	14	7	3	1	-
<b>V. Mental disorders (290-319)</b>	925	858	772	909	1,050	1,143	1,421	2,329	3,562	3,995	2,900	1,278	233	12
All races, male	749	686	592	712	779	789	872	1,143	1,993	1,295	637	245	84	11
All races, female	177	180	180	197	271	355	549	1,186	2,159	2,650	2,233	1,031	209	1
White, male	419	381	363	486	612	621	741	967	1,265	1,164	645	229	7	7
White, female	114	110	112	154	204	296	480	1,058	1,980	2,512	2,107	979	187	1
Black, male	315	289	212	213	156	150	126	137	113	104	42	18	2	2
Black, female	58	77	62	39	61	58	67	120	166	120	91	45	22	-
<b>Senile and presenile organic psychotic conditions (290)</b>	1	2	10	19	92	172	439	914	1,544	1,684	1,240	528	86	1
All races, male	-	1	5	12	52	104	238	415	595	562	299	82	9	1
All races, female	1	1	5	7	40	68	201	499	940	1,122	942	436	77	-
White, male	-	1	4	9	42	86	212	369	555	511	278	85	9	-
White, female	1	1	5	8	29	59	178	456	880	1,072	909	417	72	-
Black, male	-	-	1	3	10	17	24	42	38	44	13	6	-	1
Black, female	-	-	1	1	11	9	23	40	65	40	32	15	5	-
<b>Alcoholic psychoses (291)</b>	37	25	38	43	65	43	27	20	19	5	3	-	-	-
All races, male	29	23	34	37	49	36	24	19	13	4	2	-	-	-
All races, female	8	2	4	6	8	7	3	1	6	1	1	-	-	-
White, male	15	10	20	24	28	30	19	13	12	4	2	-	-	-
White, female	6	-	3	5	4	5	2	1	5	1	1	-	-	-
Black, male	13	12	13	13	20	5	5	6	1	-	-	-	-	-
Black, female	2	2	1	1	2	2	1	-	-	-	-	-	-	-
<b>All other psychoses (292-299)</b>	10	14	13	34	66	137	254	449	868	767	539	259	43	-
All races, male	5	12	6	22	34	89	156	211	284	255	143	66	3	-
All races, female	5	2	7	12	22	48	98	238	384	512	396	193	40	-
White, male	2	11	5	17	28	70	132	180	245	230	133	63	2	-
White, female	4	1	6	10	19	39	83	207	348	481	381	181	34	-
Black, male	3	1	1	4	6	18	23	28	31	16	9	3	1	-
Black, female	-	1	1	2	3	9	9	14	29	35	28	12	10	6
<b>Alcohol dependence syndrome (303)</b>	473	552	525	840	653	527	308	192	67	26	5	-	-	6
All races, male	389	419	410	512	521	412	238	158	49	20	-	-	-	5
All races, female	84	133	115	128	132	115	72	33	18	6	-	-	-	1
White, male	223	243	257	352	418	313	185	129	43	15	5	-	-	4
White, female	49	77	65	96	94	82	63	29	12	5	-	-	-	1
Black, male	155	163	139	148	94	86	49	25	5	4	-	-	-	-
Black, female	32	53	45	29	33	21	9	4	6	1	-	-	-	-

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Drug dependence (304)</b>	852	-	-	-	-	-	-	-	-	-
All races, male	738	-	-	-	-	-	-	-	-	-
All races, female	214	-	-	-	-	-	-	-	-	-
White, male	415	-	-	-	-	-	-	-	-	-
White, female	112	-	-	-	-	-	-	-	-	-
Black, male	321	-	-	-	-	-	-	-	-	-
Black, female	102	-	-	-	-	-	-	-	-	-
<b>Other neurotic, personality, and nonpsychotic mental disorders (300-302,305-316)</b>	7,572	6	3	3	2	3	17	10	9	44
All races, male	3,275	3	1	2	2	3	11	6	4	33
All races, female	4,297	3	2	1	-	-	6	4	5	11
White, male	2,565	2	1	1	1	2	7	6	1	27
White, female	3,843	2	1	1	-	-	4	4	4	8
Black, male	659	-	-	1	1	-	2	-	2	4
Black, female	430	1	1	-	-	-	2	-	1	2
<b>Mental retardation (317-319)</b>	386	3	3	3	1	5	15	20	14	23
All races, male	225	2	3	2	1	3	11	12	9	13
All races, female	161	1	-	1	-	2	4	8	5	10
White, male	188	1	2	2	1	3	9	8	6	9
White, female	140	1	-	1	-	2	4	7	3	7
Black, male	35	1	1	-	-	2	4	3	4	8
Black, female	17	-	-	-	-	-	1	2	2	2
<b>VI. Diseases of the nervous system and sense organs (320-329)</b>	37,018	659	238	132	92	76	1,197	261	262	369
All races, male	18,031	368	132	75	52	40	667	134	153	285
All races, female	18,987	291	106	57	40	36	530	127	109	104
White, male	16,080	281	100	55	41	27	484	89	118	218
White, female	17,293	208	78	43	31	28	388	84	75	81
Black, male	1,766	85	31	20	8	13	167	30	34	44
Black, female	1,540	71	22	13	8	6	120	30	29	22
<b>Diseases of the nervous system (320-329)</b>	36,921	650	234	132	91	76	1,183	259	261	369
All races, male	17,987	364	130	75	51	40	660	132	152	285
All races, female	18,934	286	104	57	40	36	523	127	109	104
White, male	16,045	268	98	55	41	27	479	87	117	218
White, female	17,250	206	77	43	31	28	385	84	75	81
Black, male	1,757	94	31	20	7	13	165	30	34	44
Black, female	1,531	68	22	13	8	6	117	30	29	22
<b>Meningitis (320-322)</b>	1,156	205	65	36	19	13	334	25	28	16
All races, male	601	110	38	23	8	8	186	13	10	8
All races, female	555	95	26	15	7	5	148	12	18	8
White, male	402	74	24	19	3	3	123	10	8	6
White, female	406	61	20	10	6	4	101	10	9	4
Black, male	185	34	15	4	3	5	81	2	2	1
Black, female	141	28	6	5	1	1	41	2	9	4
<b>Parkinson's disease (332)</b>	6,397	-	-	-	-	-	-	-	-	1
All races, male	3,661	-	-	-	-	-	-	-	-	1
All races, female	2,736	-	-	-	-	-	-	-	-	1
White, male	3,494	-	-	-	-	-	-	-	-	-
White, female	2,624	-	-	-	-	-	-	-	-	1
Black, male	129	-	-	-	-	-	-	-	-	-
Black, female	87	-	-	-	-	-	-	-	-	-
<b>Other hereditary and degenerative diseases of the central nervous system (330-331,333-337)</b>	18,386	188	67	25	24	19	323	57	49	57
All races, male	7,841	104	31	14	14	9	172	30	28	32
All races, female	10,445	84	36	11	10	10	151	27	21	25
White, male	7,433	75	27	11	14	7	134	23	24	26
White, female	9,880	66	27	9	7	9	118	23	17	23
Black, male	447	23	4	3	2	3	32	6	3	6
Black, female	516	15	8	2	3	-	28	4	4	2
<b>Multiple sclerosis (340)</b>	1,635	-	-	-	-	-	-	-	1	4
All races, male	646	-	-	-	-	-	-	-	-	5
All races, female	989	-	-	-	-	-	-	-	1	4
White, male	603	-	-	-	-	-	-	-	-	2
White, female	899	-	-	-	-	-	-	-	1	1
Black, male	40	-	-	-	-	-	-	-	-	3
Black, female	84	-	-	-	-	-	-	-	-	9
<b>Infantile cerebral palsy (343)</b>	659	31	24	28	22	28	133	88	85	70
All races, male	361	16	11	14	12	14	67	39	49	40
All races, female	298	15	13	14	10	14	66	49	36	30
White, male	279	12	10	9	9	12	52	25	29	33
White, female	224	10	8	11	8	9	46	33	24	19
Black, male	78	4	1	5	3	2	15	13	20	6
Black, female	63	5	3	3	1	4	16	13	9	10
<b>Epilepsy (345)</b>	1,619	14	12	9	6	4	45	21	18	42
All races, male	925	10	8	5	2	2	27	12	10	26
All races, female	694	4	4	4	4	2	18	9	8	16
White, male	645	5	6	4	1	-	16	9	5	18
White, female	530	3	4	2	4	2	15	5	4	13
Black, male	269	4	2	1	-	2	9	3	5	7
Black, female	155	-	-	1	-	-	1	4	3	9
<b>Other diseases of the nervous system (323-326,341-342,344,346-359)</b>	7,069	212	66	32	26	12	348	68	80	182
All races, male	3,852	124	41	19	17	7	208	38	55	157
All races, female	3,217	88	25	13	9	5	140	30	25	25
White, male	3,109	82	31	12	14	5	154	30	51	133
White, female	2,687	66	18	11	6	4	105	23	20	22
Black, male	609	29	9	7	1	2	48	6	4	23
Black, female	485	20	5	2	3	1	31	7	4	3

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Drug dependence (304)</b>	148	68	36	20	8	3	8	1	4	2	-	-	-	1
All races, male	127	61	29	18	8	3	5	1	1	2	-	-	-	1
All races, female	21	7	7	2	2	-	3	-	3	-	-	-	-	-
White, male	60	27	12	7	1	1	4	1	1	1	-	-	-	1
White, female	13	3	2	1	2	-	3	-	3	-	-	-	-	-
Black, male	67	33	17	11	5	2	1	-	1	-	-	-	-	-
Black, female	8	4	5	1	-	-	-	-	-	-	-	-	-	-
<b>Other neurotic, personality, and nonpsychotic mental disorders (300-302,305-316)</b>	232	177	128	135	158	234	366	734	1,234	1,445	1,109	488	104	4
All races, male	184	140	96	102	102	129	206	328	443	498	248	87	12	4
All races, female	48	37	32	33	58	105	160	406	791	1,007	861	401	92	-
White, male	108	79	54	69	80	108	182	286	401	399	227	81	11	2
White, female	31	20	21	27	45	90	141	357	727	951	815	390	81	-
Black, male	74	58	40	33	20	22	23	36	40	37	19	4	1	1
Black, female	16	17	10	5	10	14	19	46	62	51	48	20	11	-
<b>Mental retardation (317-319)</b>	24	20	22	18	28	27	19	19	16	6	4	1	-	-
All races, male	14	12	12	8	15	15	8	10	8	4	1	-	-	-
All races, female	10	8	10	9	13	12	11	9	8	2	3	1	-	-
White, male	11	10	11	8	14	15	7	10	8	4	-	-	-	-
White, female	10	8	10	9	11	11	10	8	7	2	1	1	-	-
Black, male	3	2	1	1	1	1	1	1	-	-	-	-	-	-
Black, female	-	-	-	-	2	1	1	1	-	-	1	-	-	-
<b>VI. Diseases of the nervous system and sense organs (320-369)</b>	674	799	852	1,337	2,080	3,045	4,334	5,938	8,327	4,614	2,227	666	77	3
All races, male	403	448	491	721	1,109	1,629	2,296	3,034	2,906	1,763	651	139	8	2
All races, female	271	351	361	616	981	1,416	2,038	2,904	3,421	2,851	1,576	527	69	1
White, male	319	338	403	611	958	1,461	2,113	2,848	2,751	1,677	624	130	8	1
White, female	216	302	298	517	857	1,285	1,856	2,726	3,281	2,710	1,809	507	64	1
Black, male	76	105	83	99	138	159	165	170	130	68	25	6	-	-
Black, female	53	42	70	93	108	110	171	161	155	122	64	20	4	-
<b>Diseases of the nervous system (320-359)</b>	672	796	848	1,331	2,089	3,042	4,327	5,931	8,310	4,604	2,218	661	77	3
All races, male	401	446	489	717	1,108	1,626	2,282	3,033	2,898	1,762	650	137	8	2
All races, female	271	350	359	614	981	1,416	2,035	2,898	3,412	2,842	1,568	524	69	1
White, male	318	338	401	608	958	1,450	2,110	2,847	2,744	1,676	623	128	8	1
White, female	216	302	297	515	857	1,285	1,854	2,721	3,252	2,702	1,501	504	64	1
Black, male	75	106	83	88	137	157	164	170	129	68	25	6	-	-
Black, female	53	41	69	93	108	110	170	160	155	121	64	20	4	-
<b>Meningitis (320-322)</b>	22	39	36	51	71	86	103	92	70	49	23	8	-	-
All races, male	19	27	24	36	41	40	41	34	20	17	9	2	-	-
All races, female	3	12	12	15	30	46	62	58	50	32	14	6	-	-
White, male	7	10	12	26	31	30	34	25	14	13	6	2	-	-
White, female	3	8	7	10	21	32	51	44	39	26	11	5	-	-
Black, male	11	16	12	9	9	8	6	8	5	3	3	-	-	-
Black, female	-	4	5	5	9	13	11	13	11	6	3	1	-	-
<b>Parkinson's disease (332)</b>	7	6	12	44	155	400	887	1,484	1,729	1,142	436	84	6	-
All races, male	6	5	4	25	87	253	575	924	980	565	199	35	2	-
All races, female	1	1	8	19	68	147	312	560	749	577	237	49	8	-
White, male	6	5	4	22	79	239	542	881	840	544	194	35	2	-
White, female	1	1	7	17	65	139	294	533	729	559	229	48	6	-
Black, male	-	-	-	2	6	10	25	37	30	15	4	-	-	-
Black, female	-	-	1	1	3	8	15	20	17	13	8	1	-	-
<b>Other hereditary and degenerative diseases of the central nervous system (330-331,333-337)</b>	153	208	284	535	951	1,470	2,240	3,204	3,676	2,889	1,469	479	57	1
All races, male	89	122	169	304	512	741	1,088	1,519	1,512	1,002	348	74	5	-
All races, female	54	86	115	231	439	729	1,152	1,685	2,164	1,887	1,121	405	52	1
White, male	81	107	150	274	472	688	1,031	1,445	1,447	954	335	71	5	-
White, female	50	77	98	205	404	688	1,070	1,606	2,088	1,801	1,082	394	49	1
Black, male	7	14	17	26	37	47	51	69	54	38	12	2	-	-
Black, female	4	8	16	25	29	37	77	73	74	75	37	11	2	-
<b>Multiple sclerosis (340)</b>	132	180	171	215	221	208	162	107	42	13	7	-	-	-
All races, male	58	76	79	79	85	85	59	31	21	4	1	-	-	-
All races, female	74	104	92	136	136	123	83	76	21	9	6	-	-	-
White, male	54	68	74	74	78	83	57	30	20	4	1	-	-	-
White, female	68	92	77	125	127	116	88	76	21	9	6	-	-	-
Black, male	4	8	5	3	6	2	2	1	1	-	-	-	-	-
Black, female	6	9	15	11	7	6	5	-	-	-	-	-	-	-
<b>Infantile cerebral palsy (343)</b>	21	18	13	14	19	15	14	11	11	3	2	-	-	-
All races, male	11	13	6	7	14	7	8	5	3	1	-	-	-	-
All races, female	10	5	7	7	5	8	6	6	8	2	2	-	-	-
White, male	11	11	6	7	12	7	7	5	3	1	-	-	-	-
White, female	8	5	7	5	5	6	6	6	8	2	2	-	-	-
Black, male	-	2	-	-	1	-	1	-	-	-	-	-	-	-
Black, female	2	-	-	2	-	2	-	-	-	-	-	-	-	-
<b>Epilepsy (345)</b>	127	109	63	93	114	108	114	115	71	49	21	5	1	1
All races, male	75	60	45	56	67	68	59	57	36	18	7	5	1	1
All races, female	52	49	18	37	47	40	55	58	35	31	14	5	1	-
White, male	44	38	31	36	48	43	41	42	29	16	6	3	-	-
White, female	32	42	14	24	36	32	48	44	26	24	11	5	1	-
Black, male	29	21	14	20	18	25	18	15	7	2	1	-	-	-
Black, female	20	6	4	13	11	7	7	13	9	7	3	-	-	-
<b>Other diseases of the nervous system (323-326,341-342,344,348-359)</b>	210	236	289	379	559	755	817	919	711	459	260	85	11	1
All races, male	133	143	162	210	302	432	462	463	326	155	86	28	1	1
All races, female	77	93	107	169	256	323	355	455	385	304	174	59	10	-
White, male	105	87	124	169	238	360	398	419	291	144	81	20	1	1
White, female	54	77	77	129	199	278	297	412	341	281	160	52	8	-
Black, male	24	45	35	38	60	65	61	39	32	10	5	4	-	-
Black, female	21	14	28	36	49	37	55	41	44	20	13	7	2	-

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex 1	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
Disorders of the eye and adnexa (360-378)	27	-	-	-	-	-	-	-	-	-	-	-	-	1
All races, male	10	-	-	-	-	-	-	-	-	-	-	-	-	1
All races, female	17	-	-	-	-	-	-	-	-	-	-	-	-	1
White, male	5	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	15	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	2	-	-	-	-	-	-	-	-	-	-	-	-	1
Diseases of the ear and mastoid process (380-389)	70	9	4	-	1	-	14	2	1	-	-	3	1	1
All races, male	34	4	2	-	1	-	7	2	1	-	-	2	-	1
All races, female	36	5	2	-	-	-	7	-	-	-	-	1	1	-
White, male	30	3	2	-	-	-	5	2	1	-	-	2	-	1
White, female	28	2	1	-	-	-	3	-	-	-	-	1	1	-
Black, male	4	1	-	-	1	-	2	-	-	-	-	-	-	-
Black, female	7	3	-	-	-	-	3	-	-	-	-	-	-	-
VII. Diseases of the circulatory system (390-459)	973,989	1,070	202	100	58	55	1,495	187	239	515	952	1,720	3,197	5,697
All races, male	479,119	594	102	48	30	29	804	94	147	333	560	1,032	2,177	4,002
All races, female	500,850	476	100	51	28	26	681	93	86	182	372	688	1,020	1,695
White, male	417,074	409	67	27	26	22	551	68	114	236	402	701	1,479	2,852
White, female	443,080	310	74	34	20	18	458	75	59	119	264	439	640	1,020
Black, male	50,471	162	32	15	4	6	219	25	30	91	184	306	854	1,080
Black, female	53,690	148	25	15	8	5	201	18	23	63	103	234	360	631
Rheumatic fever and rheumatic heart disease (390-398)	6,421	6	3	-	1	-	10	2	8	16	38	40	70	111
All races, male	1,945	3	2	-	-	-	5	2	5	9	23	18	28	42
All races, female	4,476	3	1	-	1	-	5	-	3	7	15	22	42	69
White, male	1,746	2	2	-	-	-	4	1	1	8	14	10	19	26
White, female	4,128	3	1	-	-	-	4	-	2	5	13	18	28	39
Black, male	154	-	-	-	-	-	-	1	3	1	6	6	4	15
Black, female	272	-	-	-	1	-	1	-	-	2	2	4	13	22
Acute rheumatic fever (390-392)	76	-	-	-	-	-	-	-	1	-	3	-	1	5
All races, male	36	-	-	-	-	-	-	-	1	-	2	-	1	4
All races, female	40	-	-	-	-	-	-	-	-	1	-	-	-	1
White, male	29	-	-	-	-	-	-	-	-	1	-	-	1	3
White, female	34	-	-	-	-	-	-	-	-	1	-	-	-	-
Black, male	5	-	-	-	-	-	-	-	-	1	-	-	-	1
Black, female	6	-	-	-	-	-	-	-	-	-	-	-	-	1
Chronic rheumatic heart disease (393-398)	6,345	6	3	-	1	-	10	2	7	16	35	40	69	106
All races, male	1,909	3	2	-	-	-	5	2	4	9	21	18	27	38
All races, female	4,436	3	1	-	1	-	5	-	3	7	14	22	42	68
White, male	1,717	2	2	-	-	-	4	1	1	8	13	10	18	23
White, female	4,094	3	1	-	-	-	4	-	2	5	12	18	28	39
Black, male	149	-	-	-	-	-	-	1	3	1	5	6	4	14
Black, female	266	-	-	-	1	-	1	-	-	2	2	4	13	21
Disease of mitral valve (394)	2,974	2	2	-	1	-	5	-	6	13	18	27	45	53
All races, male	837	1	2	-	-	-	3	-	3	7	7	10	13	20
All races, female	2,137	1	-	-	1	-	2	-	3	6	11	17	32	33
White, male	769	1	2	-	-	-	3	-	1	7	6	5	10	16
White, female	1,972	1	-	-	-	-	1	-	2	4	9	15	24	22
Black, male	55	-	-	-	-	-	-	-	2	-	1	4	1	4
Black, female	133	-	-	-	1	-	1	-	-	2	2	2	7	6
Diseases of aortic valve (395)	223	-	-	-	-	-	-	-	-	-	2	-	3	9
All races, male	113	-	-	-	-	-	-	-	-	-	2	-	3	6
All races, female	110	-	-	-	-	-	-	-	-	-	-	-	-	3
White, male	98	-	-	-	-	-	-	-	-	-	1	-	2	3
White, female	102	-	-	-	-	-	-	-	-	-	-	-	-	2
Black, male	10	-	-	-	-	-	-	-	-	-	-	-	1	3
Black, female	7	-	-	-	-	-	-	-	-	-	-	-	-	1
Diseases of mitral and aortic valves (396)	1,057	3	-	-	-	-	3	1	-	1	3	4	9	12
All races, male	367	1	-	-	-	-	1	1	-	3	2	6	6	6
All races, female	670	2	-	-	-	-	2	-	-	1	-	2	3	6
White, male	345	1	-	-	-	-	1	1	-	-	1	2	4	2
White, female	622	2	-	-	-	-	2	-	-	1	-	1	1	3
Black, male	31	-	-	-	-	-	-	-	-	-	-	-	2	3
Black, female	40	-	-	-	-	-	-	-	-	-	-	1	2	3
All other chronic rheumatic heart disease (393,397-398)	2,091	1	1	-	-	-	2	1	1	2	12	9	12	32
All races, male	572	1	-	-	-	-	1	1	1	2	9	6	5	6
All races, female	1,519	-	1	-	-	-	1	-	-	-	3	3	7	26
White, male	505	-	-	-	-	-	-	-	-	1	5	3	2	2
White, female	1,398	-	1	-	-	-	1	-	-	3	2	3	12	12
Black, male	53	-	-	-	-	-	-	1	1	1	4	2	-	4
Black, female	86	-	-	-	-	-	-	-	-	-	-	1	4	9
Hypertensive disease (401-404)	31,694	3	2	-	-	-	5	2	1	10	33	63	158	289
All races, male	13,399	1	2	-	-	-	3	1	1	3	21	43	106	193
All races, female	18,295	2	-	-	-	-	2	1	-	7	12	20	52	96
White, male	9,550	1	1	-	-	-	2	-	1	2	8	16	45	79
White, female	13,555	1	-	-	-	-	1	-	-	3	5	6	17	37
Black, male	3,631	-	1	-	-	-	1	1	-	1	12	27	60	119
Black, female	4,579	1	-	-	-	-	1	1	-	4	7	14	34	58
Essential hypertension (401)	4,287	1	1	-	-	-	2	-	-	2	-	8	11	41
All races, male	1,731	-	1	-	-	-	1	-	-	-	-	3	8	24
All races, female	2,556	1	-	-	-	-	1	-	-	2	-	5	3	17
White, male	1,354	-	1	-	-	-	-	-	-	-	-	2	3	14
White, female	1,991	-	-	-	-	-	-	-	-	2	-	1	-	12
Black, male	350	-	-	-	-	-	-	-	-	-	-	1	5	10
Black, female	546	1	-	-	-	-	1	-	-	-	-	4	3	5

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex 1	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
Disorders of the eye and adnexa (360-379)	-	1	1	1	1	1	3	4	5	3	5	1	-	-
All races, male	-	1	-	1	1	1	3	4	5	3	5	1	-	-
All races, female	-	-	1	-	-	-	-	3	4	3	5	1	-	-
White, male	-	1	-	-	-	-	2	1	-	-	-	-	-	-
White, female	-	-	-	-	-	-	-	3	4	3	5	1	-	-
Black, male	-	-	-	1	1	1	1	1	1	1	-	-	-	-
Black, female	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Diseases of the ear and mastoid process (380-389)	2	2	3	5	-	2	4	3	12	7	4	4	-	-
All races, male	2	1	2	3	-	2	1	1	7	1	1	1	-	-
All races, female	-	1	1	2	-	-	3	3	5	6	3	3	-	-
White, male	1	1	2	3	-	1	1	-	7	1	1	1	-	-
White, female	-	-	1	2	-	2	2	2	5	5	3	3	-	-
Black, male	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Black, female	-	1	-	-	-	-	1	1	-	1	-	-	-	-
VII. Diseases of the circulatory system (390-459)	8,588	14,987	23,006	33,050	64,705	94,125	122,286	150,736	162,514	141,777	93,121	36,509	7,478	123
All races, male	6,877	10,733	16,205	26,890	42,891	58,749	70,932	77,125	69,798	48,625	25,578	8,239	1,440	68
All races, female	2,691	4,254	6,801	12,160	22,014	35,376	51,354	73,611	92,716	93,152	67,543	28,270	6,036	55
White, male	5,281	8,387	13,027	22,389	36,318	51,297	63,423	69,489	63,611	44,739	23,878	7,589	1,209	46
White, female	1,735	2,894	4,766	9,176	17,289	29,168	44,172	64,802	84,248	86,382	63,621	26,409	5,328	32
Black, male	1,491	2,165	2,911	4,135	5,819	6,759	6,782	6,832	5,388	3,324	1,497	587	192	22
Black, female	908	1,277	1,896	2,800	4,422	5,704	6,675	8,177	7,900	6,263	3,582	1,683	652	20
Rheumatic fever and rheumatic heart disease (390-398)	111	192	244	423	571	840	983	1,053	899	519	215	64	11	1
All races, male	46	85	93	154	194	281	296	282	207	126	38	10	-	-
All races, female	65	107	151	269	377	559	687	771	692	393	177	54	11	-
White, male	33	69	75	142	179	259	278	268	188	117	37	8	-	-
White, female	46	81	122	238	339	518	653	744	668	376	170	53	9	-
Black, male	10	15	16	9	12	18	12	12	7	3	1	2	-	1
Black, female	17	23	23	24	29	29	25	21	15	15	4	1	2	-
Acute rheumatic fever (390-392)	5	3	4	3	11	11	10	8	5	5	1	-	-	-
All races, male	3	3	2	2	7	7	5	1	2	2	-	-	-	-
All races, female	2	-	2	1	10	4	5	7	3	3	1	-	-	-
White, male	2	3	1	2	1	6	5	1	2	1	-	-	-	-
White, female	1	-	1	1	9	4	5	7	3	2	-	-	-	-
Black, male	1	-	1	-	-	-	-	-	-	1	-	-	-	-
Black, female	1	-	1	-	1	-	-	-	-	1	1	-	-	-
Chronic rheumatic heart disease (393-398)	106	189	240	420	560	829	973	1,045	894	514	214	64	11	1
All races, male	43	82	91	152	193	274	291	281	205	124	38	10	-	-
All races, female	63	107	149	268	367	555	682	764	689	390	176	54	11	-
White, male	31	66	74	140	178	253	273	267	196	116	37	8	-	-
White, female	45	81	121	237	330	514	648	737	665	376	170	53	9	-
Black, male	9	15	15	9	12	18	12	12	7	2	1	2	-	1
Black, female	16	23	22	24	28	29	25	21	15	14	3	1	2	-
Diseases of mitral valve (394)	54	97	127	225	279	409	475	493	363	172	82	28	3	-
All races, male	18	36	38	75	87	124	134	132	74	40	12	4	-	-
All races, female	36	61	89	150	192	285	341	361	289	132	70	24	3	-
White, male	14	33	33	67	81	116	125	128	70	39	12	3	-	-
White, female	29	46	71	133	176	264	321	350	280	129	70	23	3	-
Black, male	3	3	5	7	6	6	7	3	2	1	-	1	-	-
Black, female	7	13	14	14	13	15	16	8	7	3	-	1	-	-
Diseases of aortic valve (395)	4	12	11	13	14	23	34	29	32	24	9	3	1	-
All races, male	4	8	7	8	9	16	16	11	9	8	5	1	-	-
All races, female	-	4	4	5	5	7	18	18	23	16	4	2	1	-
White, male	3	6	6	8	7	15	16	10	9	6	5	1	-	-
White, female	-	3	4	4	5	6	17	16	22	16	4	2	1	-
Black, male	-	2	1	-	1	1	-	1	-	-	-	-	-	-
Black, female	-	1	-	1	-	1	1	2	-	-	-	-	-	-
Diseases of mitral and aortic valves (396)	11	16	27	53	75	100	131	165	188	147	58	17	5	1
All races, male	7	7	17	25	32	50	56	62	58	37	12	4	-	-
All races, female	4	9	10	28	43	50	75	123	140	110	46	13	5	-
White, male	5	5	13	23	28	47	52	57	56	34	11	3	-	-
White, female	3	6	6	25	40	43	71	120	135	108	42	13	4	-
Black, male	2	2	4	1	3	2	3	4	2	-	1	1	-	1
Black, female	1	3	4	2	3	5	3	2	4	4	2	-	1	-
All other chronic rheumatic heart disease (393,397-398)	37	64	75	129	192	297	333	338	301	171	65	16	2	-
All races, male	14	31	29	44	65	84	85	76	64	39	9	1	-	-
All races, female	23	33	46	85	127	213	248	262	237	132	56	15	2	-
White, male	9	22	22	42	62	75	80	72	61	37	9	1	-	-
White, female	13	26	40	76	109	201	239	251	228	125	54	15	1	-
Black, male	4	8	5	1	3	9	2	4	3	1	-	-	-	-
Black, female	8	6	4	7	12	8	5	9	4	7	1	-	1	-
Hypertensive disease (401-404)	446	706	1,104	1,630	2,534	3,360	3,927	4,712	4,832	4,169	2,605	875	137	6
All races, male	278	436	691	988	1,407	1,801	1,901	1,940	1,714	1,126	560	170	13	5
All races, female	168	270	413	644	1,127	1,559	2,026	2,772	3,218	3,033	2,045	705	124	1
White, male	147	227	377	610	905	1,280	1,407	1,514	1,385	930	463	139	11	2
White, female	83	100	162	322	619	1,014	1,410	2,067	2,637	2,602	1,614	621	104	1
Black, male	127	201	301	364	477	492	463	395	297	174	90	30	2	3
Black, female	116	168	247	318	495	529	595	671	593	414	214	82	19	-
Essential hypertension (401)	48	88	172	218	365	462	557	599	642	558	343	140	32	1
All races, male	29	48	93	127	197	253	267	243	232	113	64	26	2	1
All races, female	19	38	79	91	168	209	290	356	410	445	279	114	30	-
White, male	17	29	50	102	146	205	220	209	193	95	54	18	2	-
White, female	10	19	34	38	97	152	223	295	345	389	245	104	25	-
Black, male	12	19	40	25	49	43	43	37	32	16	9	8	-	1
Black, female	9	18	45	52	69	56	63	60	63	52	31	10	5	-



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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Hypertensive disease-Con.</b>														
Hypertensive heart disease (402)	20,788	1	1	-	-	-	2	1	-	3	22	37	109	193
All races, male	8,850	1	1	-	-	-	2	-	-	1	17	27	75	134
All races, female	11,938	-	-	-	-	-	-	1	-	2	5	10	34	59
White, male	6,099	1	-	-	-	-	1	-	-	2	6	8	35	56
White, female	6,802	-	-	-	-	-	-	-	-	1	1	2	10	18
Black, male	2,607	-	1	-	-	-	1	-	-	-	10	19	39	77
Black, female	3,019	-	-	-	-	-	-	1	-	1	4	8	23	40
Hypertensive renal disease (403)	4,169	-	-	-	-	-	-	-	1	2	5	16	27	31
All races, male	1,824	-	-	-	-	-	-	-	1	-	2	11	15	18
All races, female	2,345	-	-	-	-	-	-	-	-	2	3	5	12	13
White, male	1,395	-	-	-	-	-	-	-	1	-	1	5	4	7
White, female	1,893	-	-	-	-	-	-	-	-	-	2	3	7	7
Black, male	397	-	-	-	-	-	-	-	-	-	1	6	11	11
Black, female	633	-	-	-	-	-	-	-	-	2	1	2	6	6
Hypertensive heart and renal disease (404)	2,460	1	-	-	-	-	1	1	-	3	6	2	11	24
All races, male	894	-	-	-	-	-	-	1	-	1	2	2	6	17
All races, female	1,458	1	-	-	-	-	1	-	-	2	4	-	3	7
White, male	702	-	-	-	-	-	-	-	-	1	1	1	3	2
White, female	1,068	1	-	-	-	-	1	-	-	1	2	-	-	-
Black, male	277	-	-	-	-	-	-	1	-	1	1	1	5	15
Black, female	381	-	-	-	-	-	-	-	-	1	2	-	3	7
<b>Ischemic heart disease (410-414)</b>														
Ischemic heart disease (410-414)	609,592	28	7	2	2	1	41	5	9	26	99	307	656	2,186
All races, male	264,505	15	3	-	1	-	18	2	6	21	76	210	681	1,789
All races, female	245,087	14	4	2	1	1	22	3	3	5	23	89	177	397
White, male	241,284	11	2	-	1	-	14	1	6	9	51	159	529	1,462
White, female	222,390	10	4	-	1	1	16	3	2	4	17	68	133	284
Black, male	20,430	4	1	-	-	-	5	-	-	11	24	40	141	303
Black, female	20,889	4	-	1	-	-	5	-	1	1	8	22	42	128
Acute myocardial infarction (410)	247,950	17	3	-	1	-	21	1	4	12	66	169	488	1,280
All races, male	135,884	10	1	-	-	-	11	-	1	9	48	113	378	1,028
All races, female	112,066	7	2	-	1	-	10	1	3	3	18	56	109	232
White, male	124,276	6	1	-	-	-	9	-	1	5	36	81	300	844
White, female	100,984	3	2	-	1	-	6	1	2	2	12	42	81	154
Black, male	10,187	2	-	-	-	-	2	-	2	4	12	26	72	170
Black, female	10,196	4	-	-	-	-	4	-	1	1	6	14	25	75
Other acute and subacute forms of ischemic heart disease (411)	3,408	4	1	-	-	-	5	-	-	1	4	8	18	38
All races, male	1,955	3	-	-	-	-	3	-	-	1	3	4	15	35
All races, female	1,453	1	1	-	-	-	2	-	-	1	4	3	3	3
White, male	1,661	2	-	-	-	-	2	-	-	1	3	9	26	26
White, female	1,254	1	1	-	-	-	2	-	-	-	1	2	1	2
Black, male	274	1	-	-	-	-	1	-	-	-	3	1	4	8
Black, female	191	-	-	-	-	-	-	-	-	-	-	2	2	1
Angina pectoris (413)	1,021	-	-	-	-	-	-	-	-	-	-	1	-	3
All races, male	455	-	-	-	-	-	-	-	-	-	-	-	-	2
All races, female	566	-	-	-	-	-	-	-	-	-	-	1	-	1
White, male	413	-	-	-	-	-	-	-	-	-	-	-	-	1
White, female	514	-	-	-	-	-	-	-	-	-	-	-	-	1
Black, male	41	-	-	-	-	-	-	-	-	-	-	-	-	1
Black, female	50	-	-	-	-	-	-	-	-	-	-	-	-	1
<b>Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)</b>														
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	257,213	8	3	2	1	1	15	4	5	13	29	129	354	885
All races, male	126,211	2	2	-	1	-	5	2	5	11	25	101	268	724
All races, female	131,002	6	1	2	-	1	10	2	-	2	4	28	66	161
White, male	114,932	1	1	-	1	-	3	1	5	3	15	75	220	591
White, female	119,639	6	1	-	-	1	8	2	-	2	4	21	51	107
Black, male	9,918	1	1	-	-	-	2	-	-	7	9	22	65	123
Black, female	10,552	-	-	1	-	-	1	-	-	-	-	6	15	52
<b>Diseases of pulmonary circulation (415-417)</b>														
Diseases of pulmonary circulation (415-417)	12,936	151	12	5	5	4	177	9	10	39	77	128	173	257
All races, male	6,025	86	7	2	3	1	99	6	4	14	30	45	85	125
All races, female	6,911	65	5	3	2	3	78	3	6	24	47	83	87	132
White, male	4,947	51	7	2	2	1	63	6	4	8	21	23	57	87
White, female	5,723	43	5	3	1	3	55	3	4	16	33	56	49	80
Black, male	1,029	29	-	-	1	-	30	-	-	6	8	22	27	34
Black, female	1,138	20	-	-	1	-	21	-	2	8	13	26	36	49
<b>Other forms of heart disease (420-429)</b>														
Other forms of heart disease (420-429)	212,969	683	147	82	39	41	992	128	151	308	454	716	1,124	1,616
All races, male	103,083	381	77	42	18	19	537	89	100	222	292	472	805	1,154
All races, female	109,886	302	70	40	21	22	455	59	51	86	162	244	319	462
White, male	86,741	274	47	23	16	14	374	48	75	158	201	322	532	766
White, female	94,895	198	48	28	16	14	304	46	38	57	106	139	204	268
Black, male	15,087	96	28	14	2	4	144	20	23	59	87	145	258	384
Black, female	14,085	93	21	11	5	5	135	11	11	29	53	97	109	184
<b>Acute and subacute endocarditis (421)</b>														
Acute and subacute endocarditis (421)	962	3	-	3	-	1	7	2	1	7	15	26	62	80
All races, male	585	1	-	1	-	1	3	-	1	6	12	15	37	45
All races, female	397	2	-	2	-	-	4	2	-	1	3	11	15	15
White, male	418	1	-	-	-	-	1	-	1	3	7	8	17	27
White, female	328	1	-	2	-	-	3	1	-	1	2	6	7	8
Black, male	138	-	-	1	-	-	1	-	-	3	5	7	20	17
Black, female	67	1	-	-	-	-	1	1	-	-	1	4	6	7
<b>Acute pericarditis, acute myocarditis, and other diseases of pericardium (420,422-423)</b>														
Acute pericarditis, acute myocarditis, and other diseases of pericardium (420,422-423)	847	38	18	4	5	4	69	9	6	19	23	30	41	38
All races, male	447	16	11	3	2	1	33	5	4	14	10	16	27	22
All races, female	400	22	7	1	3	3	36	4	2	5	13	14	14	16
White, male	360	14	6	2	2	1	25	5	3	7	6	10	23	14
White, female	319	12	7	-	3	3	25	4	2	3	8	11	13	11
Black, male	80	2	5	1	-	-	8	-	1	7	2	6	4	4
Black, female	74	8	-	1	-	-	9	-	-	2	5	2	4	5

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Hypertensive disease-Con.</b>														
Hypertensive heart disease (402)	340	555	819	1,225	1,806	2,329	2,594	3,004	3,028	2,536	1,585	521	74	5
All races, male	212	349	533	766	1,049	1,285	1,268	1,187	954	828	279	81	4	4
All races, female	128	206	286	459	753	1,044	1,326	1,817	2,074	1,908	1,306	440	70	1
White, male	116	183	306	460	653	898	922	897	750	501	225	65	3	2
White, female	36	73	111	238	439	673	925	1,359	1,676	1,640	1,180	384	56	1
Black, male	92	161	220	297	359	366	326	270	187	114	51	15	1	2
Black, female	82	133	172	219	314	358	380	427	376	257	136	55	13	-
Hypertensive renal disease (403)	39	35	78	112	213	361	516	698	796	656	492	135	16	-
All races, male	25	20	48	54	100	164	246	332	352	238	149	47	4	-
All races, female	14	15	30	58	113	197	270	366	444	420	283	88	12	-
White, male	11	8	13	31	54	110	189	274	303	208	130	42	4	-
White, female	5	4	10	24	43	122	169	255	357	351	247	76	11	-
Black, male	14	10	32	21	45	53	50	52	44	23	19	5	-	-
Black, female	9	10	20	33	69	74	86	109	84	68	33	11	1	-
Hypertensive heart and renal disease (404)	19	30	35	75	150	208	260	411	466	409	245	79	15	-
All races, male	12	19	17	39	67	89	120	178	176	149	68	16	3	-
All races, female	7	11	18	36	83	109	140	233	290	260	177	63	12	-
White, male	3	7	8	17	42	67	76	140	139	126	54	14	2	-
White, female	2	4	7	22	40	67	93	158	219	222	162	57	12	-
Black, male	9	11	9	21	24	30	44	36	34	21	11	2	1	-
Black, female	5	7	10	14	43	41	46	75	70	37	14	6	-	-
<b>Ischemic heart disease (410-414)</b>														
Ischemic heart disease (410-414)	4,607	7,876	12,504	21,846	36,421	53,018	68,096	81,198	84,339	70,216	44,099	17,416	3,574	52
All races, male	3,719	6,246	9,561	15,966	25,310	34,813	41,209	49,514	38,112	25,463	12,943	4,089	704	30
All races, female	888	1,630	2,943	5,880	11,111	18,203	26,889	37,684	46,227	44,755	31,955	13,327	2,670	22
White, male	3,145	5,316	8,298	14,076	22,584	31,620	37,951	40,233	35,436	23,817	12,225	3,824	605	23
White, female	658	1,207	2,221	4,717	9,183	15,685	23,932	33,880	42,752	42,009	30,399	12,543	2,583	16
Black, male	520	823	1,130	1,708	2,423	2,913	2,876	2,888	2,268	1,395	634	229	83	7
Black, female	221	401	679	1,066	1,783	2,343	2,793	3,406	3,239	2,511	1,430	698	270	6
<b>Acute myocardial infarction (410)</b>														
Acute myocardial infarction (410)	2,765	4,684	7,520	12,767	21,108	30,025	37,014	41,709	39,634	28,421	14,693	4,731	861	19
All races, male	2,217	3,691	5,762	9,307	14,491	19,496	22,049	22,359	18,219	10,782	4,521	1,193	206	9
All races, female	548	973	1,758	3,460	6,627	10,529	14,865	19,356	21,415	17,629	10,172	3,538	655	10
White, male	1,913	3,233	5,089	8,277	13,056	17,742	20,398	20,716	16,968	10,088	4,255	1,100	162	7
White, female	409	747	1,354	2,811	5,515	9,131	13,427	17,531	19,790	15,498	8,631	3,270	664	7
Black, male	273	404	600	916	1,260	1,544	1,462	1,443	1,057	600	233	80	37	2
Black, female	134	211	383	598	1,006	1,399	1,665	1,999	1,506	1,043	495	229	80	3
<b>Other acute and subacute forms of ischemic heart disease (411)</b>														
Other acute and subacute forms of ischemic heart disease (411)	71	112	157	222	319	413	443	459	428	370	220	99	19	2
All races, male	60	88	115	167	238	275	278	283	183	140	59	24	5	1
All races, female	11	24	42	55	81	138	167	196	245	230	161	75	14	1
White, male	47	66	94	148	208	228	236	224	155	124	56	21	5	-
White, female	8	15	25	46	64	116	147	169	222	210	145	68	11	-
Black, male	11	19	19	18	31	46	38	36	16	15	3	3	-	1
Black, female	3	9	17	9	16	21	20	27	22	17	14	7	3	1
<b>Angina pectoris (413)</b>														
Angina pectoris (413)	3	11	17	28	67	107	135	167	188	155	104	31	4	-
All races, male	2	4	13	20	42	62	78	87	73	44	19	9	-	-
All races, female	1	7	4	8	25	45	57	80	115	111	85	22	4	-
White, male	2	2	8	18	38	59	69	79	68	41	19	9	-	-
White, female	-	7	1	6	18	42	49	67	111	106	84	17	4	-
Black, male	-	2	5	1	4	3	9	8	5	3	-	-	-	-
Black, female	1	-	2	2	6	3	8	13	4	5	1	5	-	-
<b>Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)</b>														
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	1,768	3,089	4,810	8,829	14,927	22,471	30,504	38,863	44,099	41,272	29,881	12,555	2,680	31
All races, male	1,440	2,463	3,671	6,492	10,549	14,980	18,800	20,811	19,637	14,487	8,344	2,883	493	20
All races, female	328	626	1,139	2,337	4,378	7,491	11,704	18,052	24,452	26,785	21,537	9,692	2,197	11
White, male	1,183	2,015	3,107	5,633	9,284	13,491	17,250	19,214	18,235	13,564	7,895	2,694	498	16
White, female	241	438	841	1,854	3,586	6,396	10,309	16,213	22,629	25,205	20,539	8,179	2,004	9
Black, male	236	398	506	773	1,128	1,320	1,387	1,401	1,190	777	398	146	46	4
Black, female	83	181	277	467	783	1,013	1,306	1,701	1,707	1,446	920	455	177	2
<b>Diseases of pulmonary circulation (415-417)</b>														
Diseases of pulmonary circulation (415-417)	278	351	459	800	1,200	1,600	1,797	1,869	1,889	1,133	569	189	31	2
All races, male	136	162	235	431	654	853	929	895	707	375	168	55	14	2
All races, female	142	189	224	369	546	747	868	1,074	982	758	401	134	17	-
White, male	93	119	160	342	530	690	788	763	618	333	150	51	9	2
White, female	89	132	175	281	439	615	719	837	855	679	369	123	14	-
Black, male	43	41	42	86	119	161	138	124	84	38	17	4	5	-
Black, female	50	55	46	84	104	124	145	130	122	75	32	11	3	-
<b>Other forms of heart disease (420-429)</b>														
Other forms of heart disease (420-429)	2,328	3,374	5,319	8,802	14,195	19,652	24,761	30,434	33,626	31,430	22,191	9,253	2,077	48
All races, male	1,686	2,439	3,744	6,120	9,406	12,253	14,488	15,519	14,357	10,666	6,181	2,106	439	28
All races, female	642	935	1,575	2,682	4,789	7,399	10,263	14,915	19,269	20,764	16,010	7,147	1,638	20
White, male	1,173	1,752	2,759	4,779	7,540	10,206	12,444	13,406	12,699	9,537	5,087	1,801	365	17
White, female	392	592	1,052	1,927	3,601	5,822	8,493	12,759	17,145	18,991	14,912	6,840	1,407	10
Black, male	479	655	818	1,263	1,751	1,800	1,806	1,926	1,509	991	443	196	59	11
Black, female	238	330	490	709	1,126	1,490	1,668	2,044	1,995	1,672	1,009	462	213	10
<b>Acute and subacute endocarditis (421)</b>														
Acute and subacute endocarditis (421)	63	39	42	47	85	97	117	119	94	58	26	5	-	2
All races, male	46	28	27	38	49	57	60	60	45	26	7	1	-	2
All races, female	17	11	15	9	36	40	57	59	49	30	19	4	-	-
White, male	30	17	17	28	38	49	51	48	44	23	7	1	-	1
White, female	8	6	11	5	30	36	54	54	45	27	18	4	-	-
Black, male	16	11	10	9	11	7	9	8	1	3	-	-	-	1
Black, female	9	5	4	4	6	4	3	5	3	3	1	-	-	-
<b>Acute pericarditis, acute myocarditis, and other diseases of pericardium (420,422-423)</b>														
Acute pericarditis, acute myocarditis, and other diseases of pericardium (420,422-423)	45	44	42	42	86	72	79	81	63	38	16	3	1	-
All races, male	23	29	23	23	55	35	43	44	23	12	5	1	-	-
All races, female	22	15	19	19	31	37	36	37	40	26	11	2	1	-
White, male	15	22	18	19	48	32	38	38	18	11	5	1	-	-

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Other forms of heart disease—Con.</b>														
Other diseases of endocardium (424)	11,731	16	1	3	1	3	24	1	7	12	18	54	75	107
All races, male	5,185	11	—	1	1	—	13	—	4	7	10	29	46	70
All races, female	6,548	5	1	2	—	3	11	1	3	5	8	25	29	37
White, male	4,680	8	—	1	1	—	10	—	4	6	7	22	31	43
White, female	6,007	4	1	1	—	2	8	1	2	5	6	14	22	20
Black, male	428	3	—	—	—	—	3	—	—	1	2	6	14	26
Black, female	476	1	—	—	—	1	2	—	1	—	—	10	7	17
Mitral valve disorders (424.0)	1,801	4	1	1	1	1	8	1	2	2	6	5	14	22
All races, male	679	2	—	—	1	—	3	—	—	—	3	3	5	8
All races, female	1,122	2	1	1	—	1	5	1	2	2	3	2	9	14
White, male	612	—	—	—	1	—	1	—	—	—	2	2	4	5
White, female	1,029	1	1	—	—	1	3	1	2	2	3	1	8	7
Black, male	56	2	—	—	—	—	2	—	—	—	—	1	1	3
Black, female	84	1	—	—	—	—	1	—	—	—	—	1	1	7
Aortic valve disorders (424.1)	7,313	8	—	—	—	1	9	—	5	7	4	28	33	30
All races, male	3,483	7	—	—	—	—	7	—	4	6	3	14	24	32
All races, female	3,830	1	—	—	—	1	2	—	1	1	1	12	9	7
White, male	3,155	7	—	—	—	—	7	—	4	5	3	12	18	23
White, female	3,591	1	—	—	—	1	2	—	—	1	1	8	9	5
Black, male	261	—	—	—	—	—	—	—	—	1	—	2	6	8
Black, female	228	—	—	—	—	—	—	—	1	—	—	3	—	2
All other diseases of endocardium (424.2-424.9)	2,617	4	—	2	—	1	7	—	—	3	8	23	28	46
All races, male	1,043	2	—	1	—	—	3	—	—	1	4	12	17	30
All races, female	1,574	2	—	1	—	1	4	—	—	2	4	11	11	16
White, male	913	1	—	1	—	—	2	—	—	1	2	8	9	15
White, female	1,387	2	—	1	—	—	3	—	—	2	2	4	5	8
Black, male	111	1	—	—	—	—	1	—	—	—	2	3	7	15
Black, female	164	—	—	—	—	1	1	—	—	—	—	6	6	8
Heart failure (428)	42,940	42	5	3	3	2	55	13	9	12	21	36	56	97
All races, male	17,612	29	4	2	1	1	37	6	5	10	11	23	38	63
All races, female	25,328	13	1	1	2	1	18	7	3	2	10	19	18	34
White, male	15,570	26	4	2	1	1	34	4	5	9	9	16	28	37
White, female	22,667	7	—	1	1	1	10	6	2	2	7	6	12	22
Black, male	1,869	3	—	—	—	—	3	2	—	1	2	7	9	26
Black, female	2,483	5	—	—	1	—	6	1	1	—	3	7	6	12
Myocarditis, unspecified and myocardial degeneration (429.0-429.1)	1,445	34	18	4	2	1	59	7	12	21	31	31	44	45
All races, male	740	17	12	—	1	—	30	2	5	14	20	19	28	29
All races, female	705	17	6	4	1	1	29	5	7	7	11	12	16	16
White, male	594	11	4	—	1	—	16	2	2	10	13	17	24	21
White, female	600	6	4	2	1	—	13	4	6	5	8	6	10	11
Black, male	140	6	7	—	—	—	13	—	3	4	7	2	4	8
Black, female	95	9	2	2	—	1	14	1	1	2	3	3	5	5
All other and ill-defined forms of heart disease (425-427, 429.2-429.9)	155,044	550	105	65	28	30	778	96	117	237	346	539	856	1,269
All races, male	76,534	307	50	35	13	16	421	56	81	171	229	370	629	925
All races, female	76,510	243	55	30	15	14	357	40	36	66	117	169	227	344
White, male	65,119	214	33	18	11	12	288	37	60	123	157	249	409	624
White, female	64,976	188	38	22	11	8	245	30	26	41	75	84	140	196
Black, male	12,412	82	18	12	2	4	116	18	19	43	69	117	207	283
Black, female	10,890	69	19	8	4	3	103	8	8	25	41	71	85	138
Cerebrovascular diseases (430-438)	150,517	152	27	11	9	8	207	32	40	78	188	342	627	964
All races, male	59,759	83	9	5	6	8	111	10	20	45	99	174	347	523
All races, female	90,758	69	18	6	3	—	96	22	20	33	89	168	280	441
White, male	50,692	50	7	2	5	6	70	7	17	36	80	128	205	309
White, female	79,363	43	14	3	2	—	62	10	12	21	70	113	169	276
Black, male	8,098	28	2	1	1	2	34	2	3	9	16	43	132	199
Black, female	10,381	24	4	3	1	—	32	3	7	12	18	51	104	155
Subarachnoid hemorrhage (430)	6,781	11	3	1	2	—	17	5	14	29	98	158	284	382
All races, male	2,472	5	1	1	2	—	9	3	8	12	48	78	121	185
All races, female	4,309	6	2	—	—	—	8	2	6	17	50	80	143	197
White, male	2,068	3	1	1	2	—	7	2	8	9	40	58	89	133
White, female	3,544	5	2	—	—	—	7	2	3	9	38	54	92	136
Black, male	342	2	—	—	—	—	2	1	—	3	6	19	30	41
Black, female	645	1	—	—	—	—	1	—	3	8	11	22	47	55
Intracerebral and other intracranial hemorrhage (431-432)	21,242	53	9	2	4	4	72	15	16	30	61	122	221	360
All races, male	9,736	29	3	—	2	4	38	6	8	22	40	74	139	225
All races, female	11,506	24	6	2	2	—	34	9	8	8	21	48	82	144
White, male	7,687	15	2	—	2	4	23	5	7	18	31	51	76	114
White, female	9,601	11	6	2	2	—	21	8	5	6	18	32	49	84
Black, male	1,787	12	1	—	—	—	13	—	1	4	9	20	57	107
Black, female	1,663	12	—	—	—	—	12	1	2	2	2	16	33	58
Occlusion and stenosis of precerebral arteries (433)	1,236	—	1	—	—	1	2	—	—	—	1	4	3	9
All races, male	652	—	1	—	—	1	2	—	—	—	—	—	1	5
All races, female	584	—	—	—	—	—	—	—	—	—	1	4	2	4
White, male	578	—	1	—	—	1	2	—	—	—	—	—	1	3
White, female	542	—	—	—	—	—	—	—	—	—	1	4	1	4
Black, male	68	—	—	—	—	—	—	—	—	—	—	—	—	2
Black, female	38	—	—	—	—	—	—	—	—	—	—	—	1	—
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0, 434.9)	21,265	30	6	2	1	1	40	2	3	6	9	18	48	51
All races, male	8,303	16	2	—	—	1	18	—	—	3	2	8	32	35
All races, female	12,962	14	4	2	1	—	21	2	3	3	7	10	16	16
White, male	7,237	12	2	—	—	—	14	—	—	1	2	5	15	17
White, female	11,598	8	3	1	—	—	12	1	2	2	6	7	9	10
Black, male	895	4	—	—	—	1	5	—	—	2	—	3	17	18
Black, female	1,288	5	1	1	1	—	8	1	1	1	1	3	5	6

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Other forms of heart disease-Con.</b>														
<b>Other diseases of endocardium (424)</b>														
All races, male	127	130	208	367	586	982	1,431	1,889	2,235	1,967	1,077	671	62	1
All races, female	85	84	145	228	347	549	806	897	868	626	273	88	12	-
White, male	42	46	63	139	239	433	625	992	1,367	1,341	804	285	50	1
White, female	62	59	115	190	315	493	744	825	818	586	289	80	11	-
Black, male	28	32	47	113	206	365	577	822	1,274	1,280	766	272	47	-
Black, female	21	21	27	35	26	48	47	61	39	33	12	5	1	-
Black, female	12	14	15	23	28	63	40	62	79	54	33	13	2	1
<b>Mitral valve disorders (424.0)</b>														
All races, male	13	20	36	66	115	167	234	311	290	272	147	54	7	-
All races, female	6	10	18	31	48	79	118	123	107	66	30	17	2	-
White, male	7	10	18	35	67	89	116	188	192	204	117	37	5	-
White, female	4	6	16	27	41	70	106	116	101	65	28	16	2	-
Black, male	6	8	12	29	59	72	113	172	181	196	112	37	5	-
Black, female	1	4	1	3	7	8	10	5	5	3	1	1	-	-
Black, female	1	2	6	6	7	14	2	16	9	8	4	-	-	-
<b>Aortic valve disorders (424.1)</b>														
All races, male	63	69	119	191	312	554	860	1,170	1,499	1,344	726	246	37	-
All races, female	45	49	85	130	219	351	527	598	626	463	206	59	5	-
White, male	18	20	24	61	93	203	353	572	673	691	520	197	32	-
White, female	39	38	73	108	200	318	486	546	589	434	195	55	4	-
Black, male	13	18	18	49	78	173	308	537	819	845	499	178	29	-
Black, female	6	9	21	22	15	28	31	44	30	24	10	3	1	-
Black, female	4	2	8	10	11	30	22	32	45	31	18	9	2	-
<b>All other diseases of endocardium (424.2-424.9)</b>														
All races, male	51	41	53	110	159	261	387	408	437	351	204	71	18	1
All races, female	34	25	32	67	80	119	161	176	135	95	37	10	5	-
White, male	17	16	21	43	79	142	176	232	302	256	167	81	13	1
White, female	19	15	26	57	74	105	152	163	128	87	36	9	5	-
Black, male	9	6	17	35	69	120	156	213	274	239	155	57	13	-
Black, female	14	8	5	10	4	12	6	12	4	6	1	1	-	-
Black, female	7	10	3	7	10	19	15	15	25	15	11	4	-	1
<b>Heart failure (428)</b>														
All races, male	139	232	448	847	1,700	2,744	4,228	6,178	8,095	8,259	6,439	2,744	596	3
All races, female	85	132	289	518	980	1,535	2,312	2,921	3,300	2,756	1,796	655	140	-
White, male	54	100	159	329	720	1,209	1,916	3,255	4,795	5,503	4,643	2,089	448	3
White, female	57	86	210	419	822	1,304	2,043	2,583	2,884	2,523	1,678	597	122	-
Black, male	32	69	106	237	545	990	1,601	2,818	4,341	5,109	4,387	1,985	399	1
Black, female	27	45	73	84	147	220	250	319	285	200	107	56	16	-
Black, female	21	30	50	89	170	202	295	413	423	368	232	107	45	2
<b>Myocarditis, unspecified and myocardial degeneration (429.0-429.1)</b>														
All races, male	37	51	48	69	121	111	115	143	158	181	105	62	14	-
All races, female	29	29	35	44	76	68	68	70	66	56	35	16	1	-
White, male	8	22	13	25	45	42	49	73	92	105	69	46	13	-
White, female	20	20	28	36	55	60	54	66	59	49	32	14	1	-
Black, male	9	17	9	19	33	34	40	70	85	99	65	44	12	-
Black, female	9	9	12	8	20	9	12	3	7	4	4	2	-	-
Black, female	-	5	4	5	10	8	6	3	7	6	4	2	1	-
<b>All other and ill-defined forms of heart disease (425-427, 429.2-429.9)</b>														
All races, male	1,917	2,878	4,531	7,430	11,817	15,846	18,781	22,026	22,981	20,949	14,528	6,068	1,412	42
All races, female	1,418	2,137	3,225	5,269	7,899	10,008	11,201	11,527	10,055	7,190	4,064	1,947	286	25
White, male	489	741	1,306	2,161	3,718	5,638	7,580	10,499	12,926	13,759	10,464	4,721	1,128	18
White, female	989	1,648	2,376	4,087	6,262	8,268	9,544	8,846	8,776	6,345	3,708	1,208	231	16
Black, male	302	458	683	1,539	2,763	4,367	6,177	8,866	11,384	12,544	9,868	4,353	948	9
Black, female	399	562	792	1,114	1,540	1,813	1,553	1,529	1,173	750	320	133	42	10
Black, female	188	271	414	584	906	1,207	1,322	1,553	1,479	1,207	738	340	165	7
<b>Cerebrovascular diseases (430-438)</b>														
All races, male	1,459	2,023	2,607	4,185	7,011	11,126	16,568	23,878	28,838	26,362	16,896	6,069	1,008	9
All races, female	789	1,082	1,388	2,291	3,827	5,783	8,241	10,752	10,666	7,942	4,089	1,203	177	-
White, male	670	941	1,219	1,894	3,184	5,343	8,327	13,126	17,972	18,420	12,807	4,866	891	9
White, female	513	690	852	1,448	2,929	4,684	6,984	9,413	9,729	7,272	3,807	1,101	140	-
Black, male	420	654	818	1,346	2,377	4,179	6,940	11,399	16,231	17,007	12,040	4,514	718	4
Black, female	250	363	400	595	824	1,011	1,139	1,193	973	559	233	90	30	-
Black, female	229	253	354	511	726	1,073	1,272	1,675	1,806	1,283	691	316	98	2
<b>Subarachnoid hemorrhage (430)</b>														
All races, male	524	691	607	671	710	726	632	607	400	227	93	25	1	-
All races, female	232	241	248	247	280	234	196	170	91	45	18	6	-	-
White, male	292	350	359	424	430	492	436	437	309	182	75	19	1	-
White, female	190	195	200	214	239	207	176	154	82	42	18	6	-	-
Black, male	214	284	288	358	349	425	380	381	272	180	70	19	1	-
Black, female	36	39	42	27	37	20	15	13	8	2	1	-	-	-
Black, female	69	53	60	60	64	57	48	39	26	17	5	-	-	-
<b>Intracerebral and other intracranial hemorrhage (431-432)</b>														
All races, male	540	836	911	1,297	1,790	2,382	2,883	3,368	3,100	2,029	963	202	32	3
All races, female	324	466	502	726	977	1,207	1,453	1,481	1,127	640	236	43	2	-
White, male	216	350	409	571	813	1,175	1,430	1,301	1,073	1,389	727	159	30	3
White, female	183	261	309	484	744	982	1,234	1,301	1,011	592	221	38	2	-
Black, male	110	222	240	394	609	950	1,214	1,701	1,796	1,285	676	151	27	2
Black, female	130	212	177	298	207	188	179	128	86	45	11	5	-	-
Black, female	101	113	147	164	169	195	177	181	152	86	44	6	2	-
<b>Occlusion and stenosis of precerebral arteries (433)</b>														
All races, male	14	24	33	64	92	130	184	237	213	139	64	12	1	-
All races, female	9	15	28	42	60	91	106	123	105	47	14	4	-	-
White, male	5	9	5	22	32	39	88	114	108	92	50	8	1	-
White, female	9	10	23	36	49	81	96	111	96	42	13	4	-	-
Black, male	5	6	5	19	29	35	81	107	103	85	48	8	1	-
Black, female	-	5	4	6	9	9	9	12	6	5	1	-	-	-
Black, female	-	3	-	2	3	4	7	7	4	6	1	-	-	-
<b>Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0, 434.9)</b>														
All races, male	85	126	264	434	870	1,431	2,351	3,359	4,358	3,952	2,683	979	194	2
All races, female	55	81	161	252	497	769	1,214	1,521	1,817	1,209	617	182	29	-
White, male	30	45	103	182	373	682	1,137	1,838	2,741	2,743	2,066	797	165	2
White, female	38	55	122	187	410	631	1,060	1,396	1,452	1,115	580	172	25	-
Black, male	23	33	64	135	286	515	969	1,514	2,480	2,589	1,866	737	142	2
Black, female	14	22	37	63	78	124	142	165	148	80	33	10	4	-
Black, female	4	11	38	41	81	136	163	206	231	164	92	55	20</	

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Cerebrovascular diseases—Con.</b>														
Cerebral embolism (434.1)	741	1	—	—	—	—	1	—	—	—	—	3	1	5
All races, male	300	1	—	—	—	—	1	—	—	—	—	2	—	3
All races, female	432	—	—	—	—	—	—	—	—	—	—	1	1	2
White, male	280	1	—	—	—	—	1	—	—	—	—	2	—	2
White, female	402	—	—	—	—	—	—	—	—	—	—	1	—	1
Black, male	23	—	—	—	—	—	—	—	—	—	—	—	—	1
Black, female	26	—	—	—	—	—	—	—	—	—	—	—	—	1
Acute but ill-defined cerebrovascular disease (496)	82,450	4	3	1	—	—	9	4	4	5	8	20	61	106
All races, male	32,036	1	1	1	—	—	4	—	3	3	1	6	41	53
All races, female	50,414	3	2	—	—	—	5	4	1	2	7	14	20	55
White, male	27,467	1	—	—	—	—	1	—	2	3	—	5	17	26
White, female	44,268	2	1	—	—	—	3	3	—	2	3	8	11	26
Black, male	4,140	—	1	—	—	—	2	—	1	—	1	—	23	25
Black, female	5,736	1	1	—	—	—	2	1	1	—	4	6	9	26
Other and late effects of cerebrovascular diseases (435,437-438)	16,802	53	5	5	2	1	66	8	3	8	11	17	29	40
All races, male	6,251	31	1	3	2	1	38	1	1	5	8	8	13	17
All races, female	10,551	22	4	2	—	—	28	5	2	3	3	11	16	23
White, male	5,375	18	1	1	1	1	22	—	—	5	7	5	7	12
White, female	9,438	17	2	—	—	—	19	5	2	2	3	7	7	13
Black, male	773	10	—	1	1	—	12	1	1	—	—	1	5	5
Black, female	1,005	5	2	2	—	—	9	—	—	1	—	4	8	9
Diseases of arteries, arterioles, and capillaries (440-448)	45,271	9	3	—	1	—	13	3	10	30	39	82	114	169
All races, male	22,141	7	1	—	1	—	9	1	8	15	25	43	75	110
All races, female	23,130	2	2	—	—	—	4	2	2	15	14	39	39	59
White, male	20,262	6	—	—	1	—	7	1	7	14	18	36	57	84
White, female	21,071	1	2	—	—	—	3	2	1	10	14	24	28	40
Black, male	1,658	1	—	—	—	—	1	—	1	1	6	5	18	25
Black, female	1,897	—	—	—	—	—	—	—	1	5	—	14	10	18
Atherosclerosis (440)	22,086	1	—	—	1	—	2	—	—	2	—	3	4	20
All races, male	8,327	—	—	—	1	—	1	—	—	1	—	2	2	16
All races, female	13,759	1	—	—	—	—	1	—	—	1	—	1	2	4
White, male	7,529	—	—	—	1	—	1	—	—	1	—	1	1	12
White, female	12,732	1	—	—	—	—	—	—	—	1	—	1	2	4
Black, male	739	—	—	—	—	—	—	—	—	—	—	1	1	4
Black, female	955	—	—	—	—	—	—	—	—	—	—	—	—	—
Aortic aneurysm (441)	15,719	1	1	—	—	—	2	1	2	16	16	39	60	86
All races, male	10,429	1	—	—	—	—	1	—	2	9	10	28	53	70
All races, female	5,290	—	1	—	—	—	1	1	—	7	6	11	7	16
White, male	9,759	—	—	—	—	—	—	—	2	8	8	25	48	66
White, female	4,770	—	1	—	—	—	1	1	—	5	6	9	6	15
Black, male	545	1	—	—	—	—	1	—	—	1	2	2	7	14
Black, female	481	—	—	—	—	—	—	—	—	2	—	1	1	1
All other diseases of arteries, arterioles, and capillaries (442-448)	7,466	7	2	—	—	—	9	2	8	12	23	48	50	83
All races, male	9,385	6	1	—	—	—	7	1	6	5	15	13	20	24
All races, female	4,081	1	1	—	—	—	2	1	2	7	8	27	30	39
White, male	2,975	—	—	—	—	—	6	1	5	5	10	10	10	16
White, female	3,589	—	1	—	—	—	1	1	1	4	8	14	20	21
Black, male	374	—	—	—	—	—	—	—	—	—	4	2	10	7
Black, female	481	—	—	—	—	—	—	—	1	3	—	13	9	17
Diseases of veins and lymphatics, and other diseases of circulatory system (451-459)	4,569	37	1	—	1	1	40	6	4	9	24	42	73	105
All races, male	2,262	18	1	—	1	1	21	3	3	4	14	19	49	66
All races, female	2,307	19	—	—	—	—	19	3	1	5	10	23	24	39
White, male	1,852	14	1	—	1	1	17	2	3	1	9	9	35	39
White, female	1,935	11	—	—	—	—	11	2	—	3	6	17	12	22
Black, male	384	4	—	—	—	—	4	1	—	3	5	9	14	27
Black, female	351	6	—	—	—	—	6	1	1	2	4	6	12	17
Phlebitis, thrombophlebitis, and venous embolism and thrombosis (451-453)	1,888	4	—	—	—	—	4	1	1	5	18	27	35	42
All races, male	853	2	—	—	—	—	2	—	1	2	10	12	23	25
All races, female	1,035	2	—	—	—	—	2	1	—	3	8	15	12	17
White, male	716	2	—	—	—	—	2	—	1	—	5	5	19	20
White, female	895	2	—	—	—	—	2	1	—	2	4	10	8	13
Black, male	133	—	—	—	—	—	—	—	—	2	5	6	4	5
Black, female	198	—	—	—	—	—	—	—	—	1	4	5	4	4
Other diseases of veins and lymphatics and all other diseases of circulatory system (454-459)	2,681	33	1	—	1	1	36	5	3	4	8	15	38	63
All races, male	1,409	16	1	—	1	1	19	3	2	2	4	7	26	41
All races, female	1,272	17	—	—	—	—	17	2	1	2	2	8	12	22
White, male	1,196	12	1	—	1	1	15	2	2	1	4	4	16	19
White, female	1,040	9	—	—	—	—	9	1	—	1	2	7	4	9
Black, male	251	4	—	—	—	—	4	1	—	1	—	9	10	22
Black, female	215	8	—	—	—	—	6	1	1	1	—	1	8	13
VIII. Diseases of the respiratory system (460-519)	187,006	1,219	208	95	60	42	1,622	154	181	243	402	604	963	1,172
All races, male	89,897	716	108	69	26	20	931	92	98	143	224	340	575	724
All races, female	87,019	503	100	32	34	22	691	62	83	100	178	264	388	448
White, male	89,396	446	75	47	19	14	603	66	67	97	148	219	339	431
White, female	79,912	298	71	22	25	17	433	38	54	70	119	175	233	275
Black, male	9,389	234	29	15	7	4	289	23	26	43	68	115	231	287
Black, female	6,322	178	27	8	6	5	224	20	25	26	55	83	149	163
Diseases of the upper respiratory tract (460-465,470-478)	694	54	17	8	8	2	89	13	4	10	8	13	22	19
All races, male	302	30	10	6	6	—	52	6	3	7	6	8	16	12
All races, female	332	24	7	2	2	2	37	7	1	3	2	5	6	7
White, male	236	18	6	3	5	—	30	5	3	5	4	4	10	7
White, female	293	12	6	2	2	—	22	4	1	3	1	3	3	4
Black, male	62	13	3	3	1	—	20	1	—	2	2	4	6	5
Black, female	44	9	1	—	—	—	12	3	—	—	1	1	3	3

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Cerebrovascular diseases—Con.</b>														
Cerebral embolism (434.1)	6	7	7	18	44	87	117	132	130	114	65	21	3	-
All races, male	4	4	4	12	24	35	54	56	54	31	18	3	2	-
All races, female	2	3	3	6	20	32	63	74	76	83	47	18	1	-
White, male	4	2	3	8	21	30	47	54	52	31	18	3	2	-
White, female	1	3	2	5	20	27	60	67	74	77	45	18	1	-
Black, male	-	2	1	4	2	3	6	4	-	-	-	-	-	-
Black, female	1	-	-	1	-	5	2	5	2	6	2	-	-	-
Acute but ill-defined cerebrovascular disease (436)	240	364	658	1,477	3,080	5,571	8,977	13,830	17,270	16,226	10,316	3,654	564	4
All races, male	142	210	385	875	1,742	3,003	4,460	6,302	6,581	4,827	2,524	768	106	-
All races, female	98	154	273	602	1,338	2,568	4,517	7,528	10,689	11,399	7,792	2,886	458	4
White, male	76	138	248	615	1,288	2,385	3,747	5,488	5,870	4,423	2,348	686	89	-
White, female	52	88	175	378	958	1,945	3,712	6,456	9,601	10,498	7,305	2,661	388	-
Black, male	62	71	127	247	422	576	669	744	814	332	148	62	14	-
Black, female	44	62	92	217	359	589	758	994	1,026	835	444	201	64	2
Other and late effects of cerebrovascular diseases (435,437-438)	50	75	127	224	425	819	1,414	2,345	3,367	3,675	2,712	1,176	213	-
All races, male	23	45	60	137	247	444	788	1,117	1,291	1,143	662	187	38	-
All races, female	27	30	67	87	178	375	626	1,228	2,076	2,532	2,050	979	175	-
White, male	13	28	47	94	178	348	624	969	1,164	1,337	611	182	22	-
White, female	15	18	44	59	126	276	530	1,073	1,898	2,336	1,930	920	158	-
Black, male	8	12	12	40	69	91	119	127	111	95	39	13	12	-
Black, female	10	11	17	26	50	87	117	143	165	179	103	54	12	-
Diseases of arteries, arterioles, and capillaries (440-448)	234	292	585	1,111	2,361	4,005	5,605	6,874	7,613	7,460	5,485	2,556	616	4
All races, male	157	179	376	758	1,657	2,672	3,580	3,911	3,601	2,754	1,929	590	87	2
All races, female	77	113	207	353	704	1,333	2,025	2,963	4,012	4,706	3,966	1,966	529	2
White, male	111	149	294	666	1,481	2,444	3,319	3,619	3,334	2,592	1,440	549	74	2
White, female	54	81	165	278	566	1,150	1,806	2,650	3,689	4,425	3,751	1,952	481	1
Black, male	43	36	73	84	170	207	229	262	227	143	79	36	12	-
Black, female	22	26	39	68	128	168	203	292	298	254	188	108	44	1
Atherosclerosis (440)	34	47	129	245	542	1,000	1,699	2,668	4,011	4,823	4,206	2,119	527	3
All races, male	25	31	88	156	345	578	973	1,291	1,639	1,556	1,082	466	75	1
All races, female	9	16	41	89	187	422	726	1,377	2,372	3,267	3,126	1,954	452	2
White, male	22	27	63	137	294	500	880	1,143	1,493	1,439	1,014	435	65	1
White, female	7	11	36	72	149	359	634	1,208	2,180	3,107	2,967	1,570	412	1
Black, male	2	4	23	18	47	77	85	142	193	105	62	25	10	-
Black, female	2	5	5	16	46	60	88	160	167	143	148	79	37	1
Aortic aneurysm (441)	108	141	265	554	1,307	2,173	2,840	3,034	2,524	1,666	693	172	19	1
All races, male	84	101	186	431	1,008	1,637	2,017	2,017	1,523	876	300	63	2	1
All races, female	24	40	69	123	289	536	823	1,017	1,001	790	393	109	17	-
White, male	57	60	155	384	908	1,537	1,915	1,930	1,455	836	291	61	1	1
White, female	16	28	55	87	242	468	750	935	927	730	373	100	16	-
Black, male	25	21	33	42	84	80	85	67	51	22	6	2	-	-
Black, female	8	10	12	31	51	60	68	75	64	55	16	8	1	-
All other diseases of arteries, arterioles, and capillaries (442-448)	92	104	181	312	512	632	1,066	1,172	1,078	971	594	265	70	-
All races, male	49	47	84	171	304	457	590	603	499	322	147	62	10	-
All races, female	44	57	97	141	208	375	476	569	639	649	447	209	60	-
White, male	32	36	76	145	259	407	524	546	386	305	135	53	8	-
White, female	31	42	74	119	175	323	422	507	572	588	411	182	53	-
Black, male	16	11	17	24	39	50	53	53	43	16	11	9	2	-
Black, female	12	11	22	21	31	48	52	57	67	56	34	21	6	-
Diseases of veins and lymphatics, and other diseases of circulatory system (451-459)	105	173	184	253	412	526	559	619	578	496	252	97	22	1
All races, male	68	104	115	164	238	293	294	312	294	173	70	18	6	-
All races, female	39	69	69	89	176	233	265	306	344	323	182	71	16	1
White, male	46	71	82	136	190	234	252	273	212	151	68	16	5	-
White, female	23	47	50	67	145	191	229	266	311	291	168	63	13	-
Black, male	19	31	31	26	43	57	39	32	21	21	-	-	1	-
Black, female	16	21	18	20	31	38	34	38	32	29	14	7	3	1
Phlebitis, thrombophlebitis, and venous embolism and thrombosis (451-453)	47	85	70	114	176	211	239	250	251	170	109	25	8	-
All races, male	22	44	33	68	95	98	115	124	98	55	31	3	2	-
All races, female	25	41	37	46	81	113	124	126	163	115	78	22	6	-
White, male	13	30	28	61	79	80	97	107	83	51	31	3	1	-
White, female	13	30	26	36	67	97	112	117	151	108	72	21	5	-
Black, male	9	13	5	7	16	18	18	15	5	4	-	-	1	-
Black, female	12	10	11	10	14	15	11	9	12	7	5	1	1	-
Other diseases of veins and lymphatics and all other diseases of circulatory system (454-459)	58	88	114	139	236	315	320	368	327	326	143	62	14	1
All races, male	44	60	82	96	141	195	179	188	146	118	39	13	4	-
All races, female	14	28	32	43	95	120	141	180	181	208	104	49	10	1
White, male	33	41	54	76	111	154	155	166	129	100	38	13	4	-
White, female	10	17	24	31	78	94	117	149	160	183	94	42	8	-
Black, male	10	18	26	19	27	39	21	17	16	17	-	-	-	-
Black, female	4	11	7	10	17	23	23	29	20	22	9	6	2	1
VIII. Diseases of the respiratory system (460-519)	1,417	1,974	3,058	5,948	11,348	18,259	25,367	31,204	31,618	26,215	17,193	6,653	1,387	24
All races, male	965	1,175	1,787	3,459	6,850	11,210	15,270	18,296	17,035	12,096	6,426	2,026	341	14
All races, female	552	799	1,271	2,489	4,498	7,047	10,097	12,908	14,583	14,119	10,767	4,625	1,046	10
White, male	568	787	1,342	2,858	5,814	9,981	13,854	16,717	15,837	11,305	6,067	1,888	280	10
White, female	372	576	1,026	2,105	3,953	6,379	9,325	12,053	13,751	13,367	10,267	4,388	955	8
Black, male	282	355	414	554	854	1,124	1,257	1,356	1,020	650	285	119	44	3
Black, female	169	206	221	363	485	585	676	755	736	652	436	213	79	3
Diseases of the upper respiratory tract (480-485,470-478)	19	18	12	16	26	48	50	54	75	62	54	27	5	-
All races, male	10	12	8	10	8	25	24	30	32	18	9	5	1	-
All races, female	9	6	4	6	18	23	26	24	43	34	45	22	4	-
White, male	8	11	5	8	5	18	22	27	32	17	9	5	1	-
White, female	8	5	2	5	14	21	23	21	41	33	44	21	4	-
Black, male	2	-	3	2	3	6	2	3	-	1	-	-	-	-
Black, female	1	1	2	1	4	2	3	2	2	1	1	1	-	-

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Diseases of the upper respiratory tract—Con.</b>														
Acute upper respiratory infections (460-465)	314	43	16	5	7	2	72	8	2	4	3	5	7	9
All races, male	134	25	9	4	5	—	43	3	1	3	2	2	6	7
All races, female	180	18	8	1	2	2	29	5	1	1	1	3	1	2
White, male	100	14	6	3	5	—	28	3	1	1	1	—	3	2
White, female	180	10	5	1	2	—	18	3	1	1	—	3	1	—
Black, male	33	11	2	1	—	—	14	—	—	2	1	2	3	5
Black, female	16	5	1	—	—	2	8	2	—	—	1	—	—	2
Other diseases of upper respiratory tract (470-478)	320	11	2	3	1	—	17	5	2	6	5	8	15	10
All races, male	168	5	1	2	1	—	9	3	2	4	4	6	10	5
All races, female	152	6	1	1	—	—	8	2	—	2	1	2	5	6
White, male	136	2	—	—	—	—	2	2	2	4	3	4	7	5
White, female	123	2	1	1	—	—	4	1	—	2	1	—	2	4
Black, male	29	2	1	2	1	—	6	1	—	—	1	2	3	—
Black, female	28	4	—	—	—	—	4	1	—	—	—	1	3	1
Other diseases of the respiratory system (466,480-519)	186,372	1,165	189	87	52	40	1,533	141	177	233	394	591	941	1,153
All races, male	89,685	686	96	57	20	20	879	86	95	136	218	332	559	712
All races, female	86,687	479	93	30	32	20	654	55	82	97	176	259	382	441
White, male	89,160	432	69	44	14	14	573	61	64	92	144	215	329	424
White, female	79,629	288	65	20	23	17	411	34	53	67	119	172	230	271
Black, male	9,337	221	26	12	6	4	269	22	26	41	65	111	225	282
Black, female	6,278	169	26	8	6	3	212	17	25	26	54	82	148	160
Acute bronchitis and bronchiolitis (466)	535	72	14	4	2	2	94	4	1	1	4	1	7	5
All races, male	281	47	8	3	1	2	61	1	1	—	2	1	5	2
All races, female	354	25	6	1	1	—	33	3	—	1	2	—	2	3
White, male	246	29	7	3	—	1	40	—	1	—	2	1	4	2
White, female	318	15	6	—	1	—	22	1	—	1	1	—	1	3
Black, male	32	16	1	—	1	—	18	1	—	—	—	—	1	—
Black, female	30	7	—	1	—	—	8	2	—	—	1	—	1	—
Pneumonia (480-486)	75,719	635	84	54	24	15	812	63	59	89	169	289	545	648
All races, male	36,161	378	37	33	6	8	482	38	36	49	90	174	341	431
All races, female	39,558	257	47	21	18	7	350	25	24	40	79	115	204	215
White, male	31,622	237	25	14	6	29	299	29	26	34	60	113	204	257
White, female	36,083	147	33	15	11	7	213	17	18	26	55	73	114	131
Black, male	4,019	123	9	7	2	2	143	8	8	13	29	61	136	171
Black, female	3,103	99	13	5	4	—	121	6	4	12	21	41	88	78
Viral pneumonia (480)	682	104	9	8	1	2	124	2	4	4	6	7	11	6
All races, male	308	68	6	4	—	—	78	1	3	3	2	4	5	3
All races, female	374	36	3	4	1	2	46	1	1	1	4	3	6	3
White, male	288	39	6	3	—	—	48	1	3	2	2	3	4	3
White, female	337	24	2	3	1	2	32	1	1	—	4	3	4	3
Black, male	30	23	—	—	—	—	23	—	—	—	—	—	—	—
Black, female	29	11	1	1	—	—	13	—	—	1	—	—	2	—
Pneumococcal and other bacterial pneumonia (481-482)	6,099	66	7	6	3	1	83	6	4	9	28	43	85	123
All races, male	3,225	29	4	5	—	1	49	3	3	5	16	25	48	72
All races, female	2,874	37	3	1	3	—	34	3	1	4	12	18	39	51
White, male	2,641	24	2	3	—	1	30	1	2	1	10	11	25	43
White, female	2,494	15	3	1	1	—	20	3	1	3	11	8	20	29
Black, male	520	12	2	2	—	—	16	1	1	4	6	14	21	28
Black, female	330	11	—	—	—	—	11	—	—	1	1	10	17	18
Bronchopneumonia, organism unspecified (485)	7,728	202	23	12	10	5	252	17	11	16	32	44	141	153
All races, male	3,755	135	11	7	2	4	159	11	4	6	19	19	82	107
All races, female	3,973	67	12	5	8	1	93	6	7	10	13	25	59	48
White, male	3,148	82	7	5	2	3	99	10	2	6	12	11	46	54
White, female	3,583	34	7	3	5	1	50	2	4	5	9	17	29	30
Black, male	562	50	3	2	—	1	56	1	2	—	7	8	36	53
Black, female	352	32	5	1	3	—	41	2	2	5	4	7	30	16
Pneumonia due to other and unspecified organism (483,488)	61,210	263	45	28	10	7	353	38	40	60	103	195	306	364
All races, male	28,873	136	16	17	4	3	178	23	25	35	53	128	208	249
All races, female	32,337	127	29	11	6	4	177	15	15	25	50	69	100	115
White, male	25,565	92	12	14	2	2	122	17	19	25	38	68	129	157
White, female	29,669	74	21	8	4	4	111	11	12	18	31	45	61	69
Black, male	2,907	36	4	3	2	1	48	6	5	8	16	38	79	90
Black, female	2,392	45	7	3	1	—	56	4	2	5	16	24	39	44
Influenza (487)	1,943	6	4	1	3	1	15	3	2	3	5	5	6	11
All races, male	673	3	3	1	2	1	10	1	1	2	3	3	2	3
All races, female	1,270	3	1	—	1	—	5	2	1	1	2	2	4	8
White, male	640	2	1	1	1	1	6	1	1	2	3	—	1	3
White, female	1,225	1	1	—	1	—	3	2	1	1	2	2	2	6
Black, male	28	—	—	—	1	—	3	—	—	—	—	3	1	—
Black, female	41	2	—	—	—	—	2	—	—	—	—	—	2	2
Chronic obstructive pulmonary diseases and allied conditions (480-486)	82,863	55	26	8	6	4	99	32	71	75	103	137	169	236
All races, male	46,939	33	13	6	5	1	58	24	39	42	57	70	87	124
All races, female	35,914	22	13	2	1	3	41	8	32	33	46	67	78	112
White, male	44,827	23	9	4	5	1	42	13	21	21	28	39	44	71
White, female	31,846	12	8	—	—	—	20	3	16	22	29	47	45	65
Black, male	3,644	9	4	2	—	—	15	9	15	20	24	27	40	52
Black, female	1,832	9	5	1	1	3	19	4	16	9	16	16	30	45
Bronchitis, chronic and unspecified, emphysema and asthma (490-493)	23,830	53	21	8	5	3	90	28	69	71	97	128	141	190
All races, male	13,500	32	11	6	4	1	54	21	38	42	56	65	74	95
All races, female	10,330	21	10	2	1	2	36	7	31	29	41	63	67	95
White, male	12,102	22	7	4	4	1	38	11	20	21	27	35	33	52
White, female	9,451	12	6	—	—	—	18	2	15	18	26	45	39	54
Black, male	1,229	9	4	2	—	—	15	8	15	20	24	26	38	42
Black, female	792	8	4	1	1	2	16	4	16	8	15	16	28	39

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Diseases of the upper respiratory tract-Con.</b>														
Acute upper respiratory infections (460-465)	6	4	4	5	10	14	15	18	39	27	35	22	3	-
All races, male	4	4	3	5	4	5	7	7	14	8	3	3	-	-
All races, female	4	-	1	-	6	9	8	11	25	19	32	19	3	-
White, male	3	4	3	5	2	4	6	7	14	7	3	3	-	-
White, female	4	-	1	-	6	9	8	9	24	18	32	19	3	-
Black, male	1	-	-	-	2	1	1	-	-	1	-	-	-	-
Black, female	-	-	-	-	-	-	-	1	1	1	-	-	-	-
Other diseases of upper respiratory tract (470-478)	11	14	8	11	16	34	35	38	38	25	19	5	2	-
All races, male	6	8	5	5	4	20	17	23	18	10	6	2	1	-
All races, female	5	6	3	6	12	14	18	13	18	15	13	3	1	-
White, male	5	7	2	3	3	14	16	20	18	10	6	2	1	-
White, female	4	5	1	5	8	12	15	12	17	15	12	2	1	-
Black, male	1	-	3	2	1	5	1	3	-	-	-	-	-	-
Black, female	1	1	2	1	4	2	3	1	1	-	1	1	-	-
Other diseases of the respiratory system (466,480-519)	1,398	1,956	3,046	5,932	11,322	18,211	25,317	31,150	31,543	26,163	17,139	6,626	1,382	24
All races, male	855	1,163	1,779	3,449	6,842	11,193	15,246	18,286	17,003	12,078	6,417	2,023	340	14
All races, female	543	793	1,267	2,483	4,480	7,018	10,071	12,864	14,540	14,085	10,722	4,603	1,042	10
White, male	558	786	1,337	2,850	5,809	9,863	13,832	16,890	15,805	11,288	6,058	1,883	289	10
White, female	364	571	1,024	2,100	3,939	6,359	9,302	12,032	13,710	13,334	10,213	4,367	951	8
Black, male	280	355	411	552	651	1,118	1,255	1,353	1,020	649	285	119	44	3
Black, female	168	205	219	382	481	583	673	753	734	651	435	212	79	1
Acute bronchitis and bronchiolitis (466)	6	14	11	15	28	37	64	58	91	77	76	33	7	-
All races, male	4	8	5	5	11	19	39	29	35	28	18	7	-	-
All races, female	2	6	6	10	18	18	25	29	56	49	58	26	7	-
White, male	4	8	3	4	10	18	38	28	32	27	18	6	-	-
White, female	1	6	5	9	18	16	23	27	54	45	56	23	6	-
Black, male	-	-	2	1	1	1	1	1	3	1	1	1	1	-
Black, female	1	-	1	1	2	1	2	1	2	3	1	3	1	-
Pneumonia (480-486)	686	793	946	1,488	2,579	4,157	6,384	10,122	13,793	14,794	11,287	4,845	1,084	11
All races, male	457	537	617	922	1,638	2,832	3,821	5,689	6,714	8,047	3,848	1,251	282	6
All races, female	229	256	329	564	941	1,525	2,543	4,433	7,079	6,747	7,539	3,494	822	5
White, male	295	312	421	671	1,303	2,218	3,347	5,093	6,188	5,829	3,637	1,264	223	5
White, female	150	169	251	439	767	1,286	2,221	4,010	6,593	8,262	7,195	3,330	759	5
Black, male	155	214	183	295	303	377	410	521	436	397	189	75	34	1
Black, female	74	79	68	119	163	215	287	379	434	422	289	147	58	-
Viral pneumonia (480)	15	13	9	16	37	35	60	78	82	71	65	30	7	-
All races, male	4	8	5	5	18	16	32	33	35	23	19	10	1	-
All races, female	11	5	4	11	19	19	28	45	47	48	46	20	6	-
White, male	4	7	4	5	18	16	32	33	32	23	17	10	1	-
White, female	9	4	2	7	17	18	27	44	45	47	45	18	6	-
Black, male	-	1	-	-	-	-	-	-	2	-	2	-	-	-
Black, female	1	1	1	3	1	1	-	1	1	-	1	2	-	-
Pneumococcal and other bacterial pneumonia (481-482)	130	136	157	215	303	406	574	836	1,038	960	648	254	61	-
All races, male	94	83	99	139	185	264	343	489	528	429	248	83	17	-
All races, female	36	53	58	76	118	142	231	337	510	531	405	171	44	-
White, male	58	38	71	86	130	221	290	432	474	396	227	76	13	-
White, female	19	38	45	55	88	119	201	298	470	495	378	157	36	-
Black, male	35	41	25	49	45	40	48	56	42	26	12	6	4	-
Black, female	16	13	12	20	28	21	25	32	32	32	23	12	6	-
Bronchopneumonia, organism unspecified (485)	134	148	131	202	285	394	605	887	1,215	1,388	1,060	619	111	3
All races, male	92	97	87	127	193	253	393	495	580	536	331	139	22	1
All races, female	42	51	44	75	102	141	222	392	635	850	729	280	89	2
White, male	50	50	54	89	155	211	333	441	545	510	318	132	20	1
White, female	32	31	28	61	84	118	192	358	586	785	703	371	88	2
Black, male	42	46	38	36	36	41	41	50	32	18	11	7	1	-
Black, female	9	16	6	14	17	21	28	30	41	31	23	8	1	-
Pneumonia due to other and unspecified organism (483,486)	407	496	649	1,053	1,944	3,322	5,125	8,321	11,458	12,405	9,614	4,042	905	8
All races, male	267	349	416	651	1,242	2,099	3,063	4,662	5,571	5,057	3,255	1,119	222	5
All races, female	140	147	233	402	702	1,223	2,062	3,659	5,887	7,348	6,359	2,923	683	3
White, male	183	217	292	492	994	1,770	2,692	4,177	5,147	4,694	3,075	1,046	189	4
White, female	90	96	178	315	578	1,031	1,801	3,310	5,482	6,935	6,069	2,784	629	3
Black, male	78	126	120	150	222	298	321	415	380	293	144	82	28	1
Black, female	48	49	49	82	107	172	234	316	360	359	252	125	49	-
Influenza (487)	5	14	18	26	33	81	111	224	342	460	368	164	47	-
All races, male	3	9	9	12	15	43	54	96	132	122	89	44	10	-
All races, female	2	5	9	14	18	38	57	128	210	338	269	120	37	-
White, male	2	7	7	11	15	41	51	83	125	122	87	42	10	-
White, female	2	5	9	11	17	35	50	125	206	328	263	119	36	-
Black, male	1	2	2	-	-	2	3	3	6	-	1	1	-	-
Black, female	-	-	-	3	1	1	7	3	3	10	6	1	-	-
Chronic obstructive pulmonary diseases and allied conditions (490-496)	394	734	1,525	3,498	7,161	11,520	15,865	16,618	13,188	7,485	3,220	813	105	11
All races, male	205	378	824	1,846	4,217	6,931	9,429	10,093	7,999	4,363	1,642	367	37	7
All races, female	189	356	701	1,652	2,944	4,589	6,236	6,525	5,189	3,122	1,578	446	68	4
White, male	137	291	671	1,695	3,778	6,320	8,882	9,391	7,508	4,118	1,563	348	31	5
White, female	133	271	590	1,378	2,682	4,303	5,844	6,283	5,006	3,010	1,507	427	61	3
Black, male	65	80	145	227	404	560	658	594	421	207	59	16	5	1
Black, female	51	81	100	164	233	267	262	213	155	93	53	18	5	-
Bronchitis, chronic and unspecified, emphysema and asthma (480-493)	262	356	578	1,209	2,292	3,377	4,487	4,413	3,196	1,782	795	220	85	4
All races, male	121	164	278	523	1,279	1,958	2,598	2,656	1,919	982	371	83	11	2
All races, female	141	192	300	686	1,013	1,419	1,889	1,747	1,277	810	424	137	24	2
White, male	76	124	216	515	1,138	1,773	2,379	2,472	1,786	932	353	80	11	2
White, female	81	134	242	507	882	1,313	1,791	1,682	1,232	787	408	129	24	1
Black, male	42	36	56	97	126	168	194	161	108	41	10	2	-	-
Black, female	45	54	52	78	109	93	85	56	37	20	15	8	-	-



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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Bronchitis, chronic and unspecified, emphysema and asthma-Con.</b>														
Bronchitis, not specified as acute or chronic (490)	657	30	6	1	1	1	39	1	2	-	1	3	8	8
All races, male	279	16	2	1	1	-	20	1	1	-	1	2	4	4
All races, female	384	14	4	-	-	1	19	-	1	-	-	1	2	4
White, male	239	13	2	1	1	-	17	1	-	-	-	1	2	3
White, female	362	10	3	-	-	-	13	-	1	-	-	-	2	2
Black, male	28	3	-	-	-	-	3	-	1	-	1	-	1	1
Black, female	19	4	1	-	-	1	6	-	-	-	-	1	-	2
Chronic bronchitis (491)	3,063	13	6	1	2	-	22	1	-	1	3	6	7	7
All races, male	1,719	10	5	-	1	-	18	1	-	2	2	2	2	2
All races, female	1,344	3	1	1	1	-	6	-	-	1	1	4	5	5
White, male	1,611	6	3	-	1	-	10	1	-	1	2	1	1	1
White, female	1,279	-	1	-	-	-	1	-	-	1	1	3	4	3
Black, male	93	4	2	-	-	-	6	-	-	-	-	1	1	1
Black, female	59	3	-	-	1	-	4	-	-	1	-	-	1	2
Emphysema (492)	15,513	3	-	-	-	-	3	-	-	-	1	6	10	23
All races, male	9,686	2	-	-	-	-	2	-	-	-	1	3	8	17
All races, female	5,827	1	-	-	-	-	1	-	-	-	-	3	2	6
White, male	8,953	1	-	-	-	-	1	-	-	-	1	2	1	9
White, female	5,636	-	-	-	-	-	-	-	-	-	-	2	1	5
Black, male	648	1	-	-	-	-	1	-	-	-	-	-	7	7
Black, female	168	1	-	-	-	-	1	-	-	-	-	1	1	1
Asthma (493)	4,597	7	9	6	2	2	26	26	67	70	92	113	116	152
All races, male	1,822	4	4	5	2	1	16	19	37	42	52	58	60	72
All races, female	2,775	3	5	1	-	1	10	7	30	28	40	55	58	80
White, male	1,299	2	2	3	2	1	10	9	20	21	24	31	29	39
White, female	2,174	2	2	-	-	-	4	2	14	19	25	40	32	44
Black, male	460	1	2	2	-	-	5	8	14	20	23	25	29	33
Black, female	552	-	3	1	-	1	5	4	16	7	15	14	26	34
Bronchiectasis and extrinsic allergic alveolitis (494-495)	901	-	-	-	-	1	1	1	1	1	2	3	7	8
All races, male	348	-	-	-	-	-	-	-	1	1	1	1	2	4
All races, female	553	-	-	-	-	1	1	1	-	1	1	2	5	4
White, male	303	-	-	-	-	-	-	-	1	-	1	1	1	1
White, female	514	-	-	-	-	-	-	1	-	1	-	1	1	4
Black, male	29	-	-	-	-	-	-	-	-	-	-	-	-	3
Black, female	17	-	-	-	-	1	1	-	-	-	-	1	-	-
Chronic airways obstruction, not elsewhere classified (496)	58,122	2	5	-	1	-	8	3	1	3	4	6	15	38
All races, male	35,091	1	2	-	1	-	4	3	-	2	-	4	8	25
All races, female	23,031	1	3	-	-	-	4	-	1	3	4	2	7	13
White, male	32,422	1	2	-	1	-	4	2	-	-	-	3	8	18
White, female	21,881	-	2	-	-	-	2	-	1	2	3	1	5	7
Black, male	2,396	-	-	-	-	-	-	1	-	-	-	1	2	7
Black, female	1,023	1	1	-	-	-	2	-	-	1	1	1	2	6
Pneumococcosis and other lung diseases due to external agents (500-509)	9,032	39	7	1	4	3	54	9	3	11	17	25	38	36
All races, male	5,167	22	4	1	2	1	30	4	1	10	10	13	25	24
All races, female	3,865	17	3	-	2	2	24	5	2	1	7	12	13	12
White, male	4,520	13	2	-	2	1	18	4	1	8	8	11	14	16
White, female	3,412	9	1	-	2	2	14	3	-	1	4	9	11	7
Black, male	585	8	2	1	-	-	11	-	-	2	2	1	11	8
Black, female	413	6	2	-	-	-	8	1	2	-	3	3	2	4
Empyema and abscess of lung and mediastinum (510,513)	1,050	7	-	-	-	-	7	1	5	1	11	21	17	43
All races, male	678	5	-	-	-	-	5	1	3	-	7	13	13	31
All races, female	374	2	-	-	-	-	2	-	2	1	4	8	4	12
White, male	525	3	-	-	-	-	3	1	-	-	6	7	8	15
White, female	290	1	-	-	-	-	1	-	1	3	4	3	3	8
Black, male	141	1	-	-	-	-	1	-	2	-	1	6	5	18
Black, female	76	1	-	-	-	-	1	-	1	-	3	1	1	5
Flourishy (511)	800	4	-	-	-	-	4	-	-	-	3	3	3	5
All races, male	410	2	-	-	-	-	2	-	-	-	3	3	2	3
All races, female	470	2	-	-	-	-	2	-	-	-	-	-	1	2
White, male	341	2	-	-	-	-	2	-	-	-	2	2	2	1
White, female	404	2	-	-	-	-	2	-	-	-	-	-	1	2
Black, male	62	-	-	-	-	-	-	-	-	-	1	1	-	2
Black, female	59	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases of respiratory system (512,514-518)	14,260	347	54	19	19	15	448	29	36	53	82	110	162	171
All races, male	7,378	196	31	13	4	7	251	17	15	33	46	55	84	94
All races, female	6,882	151	23	6	9	8	197	12	21	20	36	55	78	77
White, male	6,439	123	23	11	2	4	163	13	14	27	35	42	52	59
White, female	6,051	99	16	5	8	8	136	8	17	15	24	37	53	61
Black, male	826	64	8	2	2	2	78	4	1	6	9	12	31	33
Black, female	724	45	6	1	1	-	53	4	2	5	12	17	22	26
IX. Diseases of the digestive system (520-579)	76,355	381	54	45	25	19	524	60	53	69	178	543	1,241	2,294
All races, male	39,845	216	31	25	15	8	295	35	33	50	96	310	847	1,652
All races, female	36,710	165	23	20	10	11	229	25	20	39	82	233	394	642
White, male	33,536	134	26	19	12	3	194	22	25	36	61	223	574	1,151
White, female	31,927	107	15	15	8	7	152	12	14	22	49	138	248	398
Black, male	5,382	76	5	5	2	5	93	11	7	12	33	78	256	456
Black, female	4,254	54	5	4	2	3	68	12	5	15	30	80	129	215
Diseases of oral cavity, salivary glands, and jaws (520-529)	99	3	-	-	-	-	3	-	-	-	1	3	1	4
All races, male	39	1	-	-	-	-	1	-	-	-	-	3	1	2
All races, female	60	2	-	-	-	-	2	-	-	-	1	-	-	2
White, male	26	1	-	-	-	-	1	-	-	-	-	-	1	1
White, female	49	1	-	-	-	-	1	-	-	-	1	-	-	2
Black, male	13	-	-	-	-	-	-	-	-	-	-	3	-	1
Black, female	10	1	-	-	-	-	1	-	-	-	-	-	-	-

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex 1	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Bronchitis, chronic and unspecified, emphysema and asthma-Con.</b>														
Bronchitis, not specified as acute or chronic (480)	4	7	8	25	33	30	52	76	107	104	98	42	11	-
All races, male	3	3	4	11	15	19	30	40	62	29	24	17	3	-
All races, female	1	4	4	14	18	11	22	36	45	75	74	25	8	-
White, male	1	3	3	9	13	18	27	36	37	26	23	16	3	-
White, female	1	4	3	12	18	11	21	34	84	73	70	25	8	-
Black, male	2	-	-	2	2	-	3	3	5	2	1	1	-	-
Black, female	-	-	1	2	-	-	1	2	-	1	3	-	-	-
Chronic bronchitis (491)	16	29	48	119	245	395	552	625	441	324	154	57	9	2
All races, male	9	16	29	60	123	231	324	378	264	169	69	16	5	1
All races, female	7	13	19	59	122	164	228	247	177	155	85	41	4	1
White, male	6	13	27	54	112	209	304	361	255	165	65	16	5	1
White, female	4	12	18	54	113	165	221	240	173	148	84	41	4	-
Black, male	1	3	2	6	10	19	17	12	8	3	3	-	-	-
Black, female	2	1	-	5	8	8	8	6	2	6	1	-	-	-
Emphysema (492)	51	122	280	739	1,561	2,452	3,286	3,164	2,205	1,107	416	84	7	2
All races, male	34	68	153	427	958	1,501	2,004	2,038	1,489	708	248	44	2	1
All races, female	17	54	127	306	603	951	1,282	1,126	736	399	168	40	5	1
White, male	23	59	133	375	882	1,384	1,852	1,802	1,376	672	235	43	2	1
White, female	16	51	118	285	566	921	1,250	1,107	716	394	163	37	5	1
Black, male	11	9	19	45	66	107	138	117	85	30	6	-	-	-
Black, female	1	3	10	21	31	26	27	16	16	5	5	3	-	-
Asthma (493)	181	198	242	392	453	500	597	548	443	257	127	37	8	-
All races, male	75	77	92	125	168	207	240	210	144	76	30	6	1	-
All races, female	116	121	150	207	270	293	357	338	299	181	97	31	7	-
White, male	44	49	53	77	129	182	198	173	128	69	30	5	1	-
White, female	70	67	105	156	195	226	299	301	279	172	91	26	7	-
Black, male	28	24	35	44	48	42	36	29	10	6	-	1	-	-
Black, female	42	50	41	48	70	59	51	32	19	8	6	5	-	-
Bronchiectasis and extrinsic allergic alveolitis (494-495)	5	24	18	41	51	84	145	178	164	101	81	15	-	-
All races, male	-	12	9	19	23	39	54	59	62	35	19	5	-	-
All races, female	5	12	9	22	28	45	91	119	92	66	42	10	-	-
White, male	-	10	7	16	18	34	47	55	52	32	18	4	-	-
White, female	5	11	7	19	25	43	82	115	87	64	40	9	-	-
Black, male	-	1	2	3	4	3	2	2	6	2	-	1	-	-
Black, female	-	1	2	2	1	1	4	2	1	-	-	1	-	-
Chronic airways obstruction, not elsewhere classified (496)	127	354	929	2,240	4,618	8,059	11,933	12,927	9,838	5,592	2,664	578	70	7
All races, male	84	202	537	1,304	2,915	4,934	6,777	7,368	6,018	3,946	1,252	279	26	5
All races, female	43	152	392	944	1,903	3,125	4,256	4,659	3,820	2,246	1,112	299	44	2
White, male	61	157	448	1,164	2,624	4,513	6,266	6,864	5,660	3,154	1,191	264	20	3
White, female	37	126	341	854	1,765	2,947	4,071	4,406	3,687	2,159	1,059	289	37	2
Black, male	23	43	87	127	274	389	482	431	307	164	49	13	5	1
Black, female	6	26	46	86	123	163	163	155	117	73	36	9	5	-
Pneumoconioses and other lung diseases due to external agents (500-508)	50	69	88	178	358	619	918	1,456	1,780	1,624	1,161	445	84	1
All races, male	32	40	63	128	257	475	684	959	984	789	471	143	15	-
All races, female	19	29	35	50	99	144	234	497	766	835	690	302	69	1
White, male	15	24	47	100	206	408	608	830	907	728	430	123	12	-
White, female	19	20	27	39	77	116	193	433	715	760	641	272	57	-
Black, male	16	16	16	27	47	64	69	117	75	49	35	16	3	-
Black, female	5	8	8	10	21	22	39	58	68	70	44	26	10	1
Empyema and abscess of lung and mediastinum (510,513)	32	38	52	77	88	127	124	146	132	75	40	10	2	1
All races, male	22	26	33	58	65	91	78	90	71	44	18	5	1	1
All races, female	10	12	19	19	23	36	46	56	61	31	22	5	1	-
White, male	12	16	24	47	48	76	68	77	81	37	17	4	-	-
White, female	6	6	12	14	16	30	38	47	53	29	17	3	-	-
Black, male	8	9	9	10	16	15	11	12	10	7	1	1	-	1
Black, female	4	5	6	5	7	5	8	9	6	2	4	2	1	-
Pleurisy (511)	11	14	17	20	53	78	108	123	159	145	92	37	5	-
All races, male	5	11	10	9	31	44	43	64	77	52	36	13	2	-
All races, female	6	3	7	11	22	34	65	59	82	93	56	24	3	-
White, male	2	6	7	6	22	36	36	57	70	44	32	12	2	-
White, female	3	1	6	6	18	28	57	49	74	79	54	22	2	-
Black, male	3	3	3	7	6	7	7	7	6	8	4	1	-	-
Black, female	3	2	-	5	4	5	7	10	6	12	2	2	1	-
All other diseases of respiratory system (512,514-519)	214	260	379	632	1,023	1,592	1,963	2,403	2,058	1,503	795	279	48	-
All races, male	127	154	218	369	606	958	1,098	1,246	981	633	285	93	13	-
All races, female	87	126	161	263	415	634	865	1,157	1,077	870	510	186	35	-
White, male	91	122	157	316	524	847	994	1,131	904	589	264	84	11	-
White, female	56	83	124	204	344	544	778	1,058	1,009	821	480	171	30	-
Black, male	32	31	51	49	73	93	96	98	63	40	18	8	2	-
Black, female	30	30	38	55	62	76	72	79	60	39	26	13	5	-
<b>IX. Diseases of the digestive system (520-579)</b>	2,676	3,308	3,952	5,256	7,233	8,096	8,649	9,260	8,930	7,439	4,545	1,512	283	14
All races, male	2,028	2,291	2,656	3,422	4,499	4,770	4,668	4,365	3,550	2,476	1,171	343	58	10
All races, female	848	1,017	1,296	1,834	2,734	3,326	3,981	4,895	5,380	4,963	3,374	1,169	225	4
White, male	1,477	1,718	2,071	2,825	3,855	4,171	4,201	3,935	3,244	2,287	1,096	313	49	8
White, female	572	718	981	1,487	2,251	2,898	3,537	4,401	4,951	4,626	3,187	1,086	207	2
Black, male	501	507	526	519	594	529	404	387	247	143	58	22	7	2
Black, female	251	259	287	301	427	391	392	439	384	315	172	64	16	2
Diseases of oral cavity, salivary glands, and jaws (520-529)	-	1	5	8	2	10	6	8	14	14	13	4	2	-
All races, male	-	1	4	4	1	9	3	2	1	3	3	1	-	-
All races, female	-	-	1	4	1	1	3	6	13	11	10	3	2	-
White, male	-	1	2	2	-	6	2	2	1	3	3	1	-	-
White, female	-	-	-	1	-	1	3	6	11	10	10	2	1	-
Black, male	-	-	2	2	1	3	1	-	-	-	-	-	-	-
Black, female	-	-	1	2	1	-	-	-	2	1	-	1	1	-

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex 1	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Diseases of other parts of the digestive system (530-579)</b>	76,256	378	54	45	25	19	521	60	53	89	177	540	1,240	2,290
All races, male	39,606	215	31	25	15	8	294	36	33	50	96	307	846	1,650
All races, female	36,650	163	23	20	10	11	227	25	20	39	81	233	394	640
White, male	33,510	133	26	19	12	3	193	22	25	36	61	223	573	1,150
White, female	31,676	106	15	15	8	7	161	12	14	22	48	138	248	396
Black, male	5,369	76	5	5	2	5	83	11	7	12	33	75	256	456
Black, female	4,244	53	5	4	2	3	67	12	5	15	30	80	129	215
<b>Ulcer of stomach and duodenum (531-533)</b>	6,435	16	-	2	-	1	19	1	4	7	10	16	32	66
All races, male	3,182	8	-	2	-	-	10	1	3	5	6	13	26	49
All races, female	3,253	8	-	-	-	1	9	-	1	2	4	3	6	17
White, male	2,807	5	-	1	-	-	6	1	3	5	2	8	12	27
White, female	2,980	4	-	-	-	1	5	-	1	1	2	3	5	15
Black, male	324	3	-	1	-	-	4	-	-	-	4	5	14	20
Black, female	236	4	-	-	-	-	4	-	-	1	2	-	1	2
<b>Gastric ulcer (531)</b>	2,009	13	-	-	-	-	13	1	1	9	3	5	14	21
All races, male	921	7	-	-	-	-	7	1	1	1	1	3	12	18
All races, female	1,088	6	-	-	-	-	6	-	2	2	2	2	2	5
White, male	768	4	-	-	-	-	4	1	1	1	-	2	5	8
White, female	982	3	-	-	-	-	3	-	1	1	1	2	1	5
Black, male	134	3	-	-	-	-	3	-	-	-	1	1	7	7
Black, female	87	3	-	-	-	-	3	-	-	1	1	-	1	-
<b>Duodenal ulcer (532)</b>	2,177	3	-	1	-	-	4	-	2	3	7	7	11	25
All races, male	1,155	1	-	1	-	-	2	-	1	3	5	6	8	18
All races, female	1,022	2	-	-	-	-	2	-	1	2	2	1	3	7
White, male	1,047	1	-	1	-	-	2	-	1	3	2	3	5	8
White, female	950	1	-	-	-	-	1	-	1	-	1	1	3	6
Black, male	91	-	-	-	-	-	-	-	-	-	3	3	3	9
Black, female	65	1	-	-	-	-	1	-	-	1	-	-	-	1
<b>Peptic ulcer, site unspecified (533)</b>	2,249	-	-	1	-	1	2	-	1	1	-	4	7	20
All races, male	1,106	-	-	1	-	-	1	-	1	1	-	4	6	15
All races, female	1,143	-	-	-	-	1	1	-	-	-	-	-	1	5
White, male	992	-	-	-	-	-	-	-	1	1	-	3	2	11
White, female	1,048	-	-	-	-	1	1	-	-	-	-	-	1	4
Black, male	89	-	-	1	-	-	1	-	-	-	-	1	4	4
Black, female	84	-	-	-	-	-	-	-	-	-	-	-	-	1
<b>Gastritis and duodenitis (535)</b>	654	-	1	-	-	-	1	-	1	3	1	5	14	15
All races, male	366	-	1	-	-	-	1	-	2	1	2	10	10	10
All races, female	288	-	-	-	-	-	-	-	1	1	-	-	4	5
White, male	309	-	1	-	-	-	1	-	2	1	5	9	4	4
White, female	251	-	-	-	-	-	-	-	1	-	-	-	4	2
Black, male	48	-	-	-	-	-	-	-	-	-	-	-	1	5
Black, female	35	-	-	-	-	-	-	-	-	1	-	-	-	3
<b>Appendicitis (540-543)</b>	473	3	3	-	3	1	10	6	13	4	3	6	7	12
All races, male	241	3	2	-	1	-	6	3	9	2	1	2	3	9
All races, female	232	-	1	-	2	1	4	3	4	2	2	4	4	3
White, male	181	3	2	-	-	-	5	1	8	1	1	2	2	7
White, female	187	-	1	-	1	1	3	3	3	2	3	4	3	3
Black, male	57	-	-	-	1	-	1	2	1	1	-	-	1	2
Black, female	42	-	-	-	1	-	1	3	2	2	-	1	-	-
<b>Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)</b>	5,599	77	9	6	5	5	102	11	8	6	13	13	26	32
All races, male	2,041	36	8	2	3	2	51	9	4	4	7	5	15	23
All races, female	3,558	41	1	4	2	3	51	2	4	2	6	8	11	9
White, male	1,706	23	4	1	3	1	32	6	3	3	4	2	13	17
White, female	3,180	26	1	4	2	1	34	1	2	1	5	4	8	5
Black, male	312	13	4	1	-	1	19	3	1	3	3	3	1	5
Black, female	383	14	-	-	-	2	16	1	2	1	1	4	3	4
<b>Regional enteritis and idiopathic proctocolitis (555-556)</b>	687	1	-	-	1	-	2	-	-	3	8	14	15	21
All races, male	281	1	-	-	1	-	2	-	-	1	4	6	8	14
All races, female	406	-	-	-	-	-	-	-	-	2	4	8	7	7
White, male	257	1	-	-	1	-	2	-	-	1	3	5	8	14
White, female	382	-	-	-	-	-	-	-	-	1	2	6	6	7
Black, male	21	-	-	-	-	-	-	-	-	1	1	1	-	-
Black, female	24	-	-	-	-	-	-	-	-	1	2	2	1	-
<b>All other noninfective gastroenteritis and colitis (557-558)</b>	7,904	100	15	10	4	1	130	8	2	3	10	16	27	39
All races, male	2,907	57	8	4	2	-	71	5	2	1	4	10	13	21
All races, female	4,997	43	7	6	2	1	59	3	2	1	6	6	14	18
White, male	2,527	31	7	3	2	-	43	3	2	1	2	8	10	14
White, female	4,581	25	5	3	2	1	36	3	2	1	4	5	5	16
Black, male	337	24	1	-	-	-	25	2	-	-	1	4	3	6
Black, female	380	16	1	3	-	-	20	-	-	1	2	1	8	-
<b>Diverticula of intestine (562)</b>	3,010	-	-	-	-	-	-	-	-	-	2	1	2	8
All races, male	940	-	-	-	-	-	-	-	-	-	1	1	1	5
All races, female	2,070	-	-	-	-	-	-	-	-	-	1	-	1	3
White, male	886	-	-	-	-	-	-	-	-	-	1	-	1	6
White, female	1,988	-	-	-	-	-	-	-	-	-	1	-	1	3
Black, male	66	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	153	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Chronic liver disease and cirrhosis (571)</b>	26,409	21	1	3	1	1	27	1	1	17	36	258	799	1,559
All races, male	17,196	12	-	1	1	1	15	-	1	9	21	142	587	1,137
All races, female	9,213	9	1	2	-	-	12	1	-	8	15	116	232	422
White, male	14,991	7	-	1	-	-	8	-	1	6	15	102	392	801
White, female	7,549	8	1	1	-	-	10	1	-	6	8	86	141	251
Black, male	2,476	5	-	-	1	1	7	-	-	2	6	33	160	304
Black, female	1,427	1	-	-	-	-	1	-	-	2	5	37	77	148

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Diseases of other parts of the digestive system (530-579)</b>	2,676	3,307	3,947	5,248	7,231	8,086	8,643	9,272	8,916	7,425	4,532	1,508	281	14
All races, male	2,028	2,290	2,652	3,416	4,498	4,751	4,665	4,993	3,549	2,473	1,168	342	58	10
All races, female	848	1,017	1,295	1,830	2,733	3,325	3,978	4,279	5,367	4,952	3,364	1,166	223	4
White, male	1,477	1,717	2,069	2,823	3,855	4,185	4,199	3,933	3,243	2,284	1,093	312	49	8
White, female	572	718	961	1,486	2,251	2,897	3,534	4,395	4,940	4,616	3,177	1,094	206	2
Black, male	501	507	524	517	583	526	408	387	247	143	58	22	7	2
Black, female	251	289	286	299	426	391	392	439	362	314	172	63	15	2
<b>Ulcer of stomach and duodenum (531-533)</b>	78	94	163	266	391	632	784	1,031	1,109	918	591	189	33	1
All races, male	52	60	108	171	247	378	463	516	462	348	177	59	7	1
All races, female	26	34	55	95	144	254	321	515	627	570	414	130	26	-
White, male	38	45	88	140	205	327	419	470	452	331	165	55	7	1
White, female	18	27	43	83	109	226	292	472	598	537	398	121	24	-
Black, male	13	14	18	27	38	46	38	36	22	11	9	4	-	-
Black, female	8	4	11	11	32	22	28	28	27	28	13	9	1	-
<b>Gastric ulcer (531)</b>	29	35	42	84	141	203	272	328	332	265	153	53	11	-
All races, male	20	19	21	44	81	104	159	145	124	83	51	16	2	-
All races, female	9	16	21	40	60	99	113	183	208	172	102	37	9	-
White, male	14	15	12	36	62	80	129	125	114	84	49	15	2	-
White, female	8	13	16	33	45	80	98	167	186	165	97	33	8	-
Black, male	6	4	7	8	18	23	17	15	8	5	2	1	-	-
Black, female	1	2	5	6	13	5	10	13	11	7	4	4	-	-
<b>Duodenal ulcer (532)</b>	29	30	71	103	133	224	274	354	376	291	185	43	4	1
All races, male	19	20	48	71	95	140	168	197	175	112	51	14	1	1
All races, female	10	10	23	32	38	84	106	157	201	179	134	29	3	-
White, male	14	16	42	62	84	128	151	182	169	111	49	13	1	1
White, female	7	8	18	29	30	78	98	143	196	170	131	28	2	-
Black, male	4	3	6	9	10	11	16	10	3	-	-	1	-	-
Black, female	3	1	4	3	8	6	6	13	4	7	3	1	1	-
<b>Peptic ulcer, site unspecified (533)</b>	20	29	50	79	117	205	238	349	401	382	253	93	18	-
All races, male	13	21	39	58	71	134	136	174	183	143	75	29	4	-
All races, female	7	8	11	23	46	71	102	175	218	219	178	64	14	-
White, male	10	14	34	43	59	118	129	163	169	136	67	27	4	-
White, female	3	6	9	21	34	58	95	162	206	202	170	62	14	-
Black, male	3	7	5	10	9	12	6	11	11	6	7	2	-	-
Black, female	4	1	2	2	11	11	6	12	12	14	6	2	-	-
<b>Gastritis and duodenitis (535)</b>	28	23	31	39	47	62	57	63	90	75	52	25	2	-
All races, male	23	14	19	27	35	46	36	51	36	23	16	11	-	-
All races, female	5	9	12	12	12	16	21	32	54	52	36	14	2	-
White, male	15	13	16	25	27	35	34	48	33	19	14	11	-	-
White, female	3	7	9	8	8	15	16	29	50	50	34	13	-	-
Black, male	6	1	3	2	7	10	2	3	6	2	2	1	-	-
Black, female	1	2	3	3	4	1	3	3	4	2	2	1	2	-
<b>Appendicitis (540-543)</b>	11	10	15	28	40	48	55	57	66	42	32	7	1	-
All races, male	7	8	11	15	25	23	31	25	32	16	9	4	-	-
All races, female	4	2	4	13	15	25	24	32	34	28	23	3	1	-
White, male	3	5	4	9	19	19	25	21	25	14	8	2	-	-
White, female	4	4	3	9	9	17	21	26	31	24	22	3	-	-
Black, male	4	2	7	6	5	3	6	4	7	2	1	2	-	-
Black, female	-	2	1	4	6	8	2	5	3	2	1	-	1	-
<b>Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)</b>	43	74	82	128	240	342	561	795	1,055	1,089	702	220	55	2
All races, male	25	47	38	72	121	160	255	321	377	303	157	39	8	-
All races, female	18	27	44	56	118	182	308	474	678	788	545	181	47	2
White, male	19	33	25	53	101	123	213	271	338	263	148	34	7	-
White, female	11	19	28	44	89	152	265	417	621	727	510	172	42	2
Black, male	6	14	13	19	19	35	39	45	38	33	9	6	1	-
Black, female	7	8	15	12	28	29	37	54	55	59	35	8	4	-
<b>Regional enteritis and idiopathic proctocolitis (555-556)</b>	18	20	20	24	63	80	88	101	97	70	91	11	1	-
All races, male	8	8	9	11	30	40	34	45	35	21	2	3	-	-
All races, female	10	12	11	13	33	40	54	56	62	49	29	8	1	-
White, male	7	6	9	10	25	36	32	41	32	21	2	3	-	-
White, female	10	12	10	13	32	39	51	53	61	48	24	5	1	-
Black, male	1	2	-	1	5	3	3	3	3	-	-	-	-	-
Black, female	-	-	1	-	1	1	3	3	1	1	5	2	-	-
<b>All other noninfective gastroenteritis and colitis (557-558)</b>	53	81	144	270	494	782	1,111	1,312	1,394	1,108	681	213	26	-
All races, male	28	43	78	117	240	384	485	485	444	295	141	36	4	-
All races, female	25	38	66	153	254	398	626	827	950	813	540	177	22	-
White, male	19	31	51	97	194	328	442	433	411	278	132	29	1	-
White, female	22	29	55	130	226	350	558	763	891	774	516	166	21	-
Black, male	9	12	24	18	39	55	37	46	27	14	7	5	3	-
Black, female	2	8	10	20	23	46	64	53	64	37	23	7	1	-
<b>Diverticula of intestine (562)</b>	13	31	44	70	164	259	388	496	560	518	345	108	21	-
All races, male	7	19	21	33	79	113	148	174	145	120	57	13	3	-
All races, female	6	12	23	37	85	146	220	322	415	398	288	95	18	-
White, male	5	17	18	28	74	104	139	158	134	112	55	12	2	-
White, female	6	10	18	28	72	137	196	290	369	371	278	92	16	-
Black, male	1	2	2	5	5	9	9	15	10	4	2	1	1	-
Black, female	-	2	5	8	12	9	21	31	25	26	10	2	2	-
<b>Chronic liver disease and cirrhosis (571)</b>	2,004	2,209	2,571	3,128	3,854	3,478	2,788	1,978	1,105	446	121	20	3	8
All races, male	1,480	1,600	1,816	2,170	2,630	2,213	1,659	1,027	543	216	58	6	1	7
All races, female	544	609	755	958	1,224	1,265	1,129	951	562	230	65	14	2	1
White, male	1,089	1,223	1,446	1,821	2,223	1,998	1,525	947	511	208	53	5	1	6
White, female	361	427	565	791	1,111	1,112	1,016	872	514	214	62	13	2	1
Black, male	336	325	327	301	275	186	112	69	22	7	2	1	-	1
Black, female	160	158	157	187	163	139	91	67	99	15	9	-	-	1

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Chronic liver disease and cirrhosis-Con.</b>														
<b>Chronic liver disease and cirrhosis, specified as</b>														
alcoholic (571.0-571.3)	11,792	1	-	-	-	-	1	-	-	1	15	148	517	837
All races, male	8,530	-	-	-	-	-	-	-	-	1	10	86	356	675
All races, female	3,262	1	-	-	-	-	1	-	-	-	5	62	161	282
White, male	6,806	-	-	-	-	-	-	-	-	1	7	60	246	454
White, female	2,430	1	-	-	-	-	1	-	-	-	4	37	95	146
Black, male	1,527	-	-	-	-	-	-	-	-	-	3	20	101	189
Black, female	711	-	-	-	-	-	-	-	-	-	-	17	52	98
Chronic hepatitis and biliary cirrhosis (571.4,571.6)	1,205	4	-	1	-	-	5	1	-	3	2	18	28	49
All races, male	438	3	-	-	-	-	3	-	-	2	-	6	22	37
All races, female	767	1	-	1	-	-	2	1	-	1	2	12	6	12
White, male	379	1	-	-	-	-	1	-	-	1	-	5	17	27
White, female	682	1	-	1	-	-	2	1	-	1	-	8	4	9
Black, male	35	2	-	-	-	-	2	-	-	1	-	1	4	9
Black, female	62	-	-	-	-	-	-	-	-	-	1	4	2	3
<b>Cirrhosis of liver and other and unspecified chronic liver disease without mention of alcohol (571.5,571.8-571.9)</b>														
	13,412	16	1	2	1	1	21	-	1	13	19	92	254	573
All races, male	8,228	9	-	1	1	1	12	-	1	6	11	50	189	425
All races, female	5,184	7	1	1	-	-	9	-	-	7	8	42	65	148
White, male	7,196	6	-	1	-	-	7	-	1	4	8	37	129	320
White, female	4,431	6	1	-	-	-	7	-	-	5	4	21	42	88
Black, male	914	3	-	-	1	1	5	-	-	1	3	12	55	96
Black, female	654	1	-	-	-	-	1	-	-	2	4	16	23	47
<b>Cholelithiasis and other disorders of gallbladder (574-575)</b>														
	3,115	4	1	-	-	-	5	-	1	1	4	15	8	15
All races, male	1,385	4	-	-	-	-	4	-	-	1	2	5	6	5
All races, female	1,730	-	1	-	-	-	1	-	1	-	2	10	2	10
White, male	1,243	4	-	-	-	-	4	-	-	1	-	4	5	4
White, female	1,546	-	1	-	-	-	1	-	1	-	1	8	2	8
Black, male	107	-	-	-	-	-	-	-	-	-	2	1	1	1
Black, female	157	-	-	-	-	-	-	-	-	-	1	2	-	2
<b>All other diseases of digestive system (530,534,536-537,584-570,572-573,578-579)</b>														
	21,970	156	24	24	11	10	225	33	23	45	90	196	310	523
All races, male	11,067	94	12	16	7	5	134	17	14	25	49	118	187	377
All races, female	10,903	62	12	8	4	5	91	16	9	20	41	78	113	146
White, male	9,233	59	12	13	6	2	92	11	8	16	32	88	121	257
White, female	9,360	43	6	7	3	3	62	7	6	12	23	43	72	86
Black, male	1,621	31	-	3	-	3	37	4	5	8	16	28	75	112
Black, female	1,397	18	4	1	1	1	25	8	3	6	17	33	39	56
<b>X. Diseases of the genitourinary system (580-529)</b>														
	40,654	243	10	9	5	5	272	12	17	43	82	158	258	330
All races, male	18,168	128	4	6	2	2	143	4	8	25	41	86	149	213
All races, female	22,486	114	6	3	3	3	129	8	9	18	41	62	109	117
White, male	14,716	94	3	6	2	2	107	4	5	14	20	55	83	101
White, female	18,416	72	4	3	2	3	84	6	4	9	24	34	64	59
Black, male	3,165	33	1	-	-	-	34	-	3	9	20	40	63	110
Black, female	3,818	37	2	-	1	-	40	2	4	8	15	24	42	57
<b>Diseases of urinary system (580-599)</b>														
	39,648	241	10	9	5	5	270	12	17	41	80	155	247	321
All races, male	17,459	128	4	6	2	2	142	4	8	25	41	85	147	212
All races, female	22,189	113	6	3	3	3	128	8	9	16	39	60	100	109
White, male	14,112	93	3	6	2	2	106	4	5	14	20	54	81	100
White, female	16,188	72	4	3	2	3	84	6	4	9	23	39	59	55
Black, male	3,073	33	1	-	-	-	34	-	3	9	20	40	63	110
Black, female	3,753	36	2	-	1	-	39	2	4	7	14	23	38	53
<b>Nephritis, nephrotic syndrome, and nephrosis (580-589)</b>														
	22,392	218	6	6	5	4	239	10	10	31	52	96	175	219
All races, male	10,880	113	1	4	2	2	122	4	7	20	23	58	109	150
All races, female	11,512	105	5	2	3	2	117	6	3	11	29	38	66	69
White, male	8,786	82	1	4	2	2	91	4	5	12	9	33	60	73
White, female	9,129	66	3	2	2	2	75	4	2	7	16	19	39	35
Black, male	1,908	29	-	-	-	-	29	-	2	7	14	24	47	75
Black, female	2,249	35	2	-	1	-	38	2	1	4	9	15	28	34
<b>Acute glomerulonephritis (580)</b>														
	108	-	-	-	-	-	-	-	-	-	2	-	-	4
All races, male	53	-	-	-	-	-	-	-	-	-	1	-	-	3
All races, female	55	-	-	-	-	-	-	-	-	-	1	-	-	1
White, male	40	-	-	-	-	-	-	-	-	-	-	-	-	1
White, female	44	-	-	-	-	-	-	-	-	-	1	-	-	-
Black, male	13	-	-	-	-	-	-	-	-	-	1	-	-	2
Black, female	10	-	-	-	-	-	-	-	-	-	-	-	-	1
<b>Nephrotic syndrome (581)</b>														
	202	4	2	1	1	-	8	-	1	2	-	-	4	2
All races, male	105	2	1	1	-	-	4	-	-	-	-	-	2	2
All races, female	97	2	1	-	1	-	4	-	1	2	-	-	2	-
White, male	91	2	1	1	-	-	4	-	-	-	-	-	1	2
White, female	74	2	1	-	-	-	3	-	-	2	-	-	1	-
Black, male	14	-	-	-	-	-	-	-	-	-	-	-	1	-
Black, female	22	-	-	-	1	-	1	-	1	-	-	-	1	-
<b>Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-593,597)</b>														
	1,521	2	-	1	2	1	6	1	1	5	6	20	23	28
All races, male	793	1	-	1	1	-	3	-	-	4	2	12	16	19
All races, female	728	1	-	-	1	1	3	1	1	1	4	8	7	9
White, male	644	1	-	1	1	-	3	-	-	2	1	9	10	7
White, female	606	1	-	-	1	1	3	1	1	-	3	4	5	5
Black, male	133	-	-	-	-	-	-	-	-	2	1	3	6	12
Black, female	108	-	-	-	-	-	-	-	-	1	1	1	2	4
<b>Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,598-589)</b>														
	20,561	212	4	4	2	3	225	9	8	24	44	76	148	185
All races, male	9,929	110	-	2	1	2	115	4	7	16	20	46	81	128
All races, female	10,632	102	4	2	1	1	110	5	1	8	24	30	57	59
White, male	8,011	79	-	2	1	2	84	4	5	10	8	24	49	83
White, female	8,405	63	2	2	1	1	69	3	1	5	14	15	33	30
Black, male	1,748	29	-	-	-	-	29	-	2	5	12	21	40	61
Black, female	2,109	35	2	-	-	-	37	2	-	3	8	14	23	29

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex 1	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Chronic liver disease and cirrhosis-Con.</b>														
<b>Chronic liver disease and cirrhosis, specified as alcoholic (571.0-571.3)</b>														
All races, male	1,226	1,274	1,436	1,605	1,771	1,345	824	449	181	48	10	-	-	4
All races, female	894	944	1,055	1,179	1,244	991	610	310	130	33	8	-	-	4
White, male	332	330	381	426	527	354	214	139	51	15	2	-	-	-
White, female	644	697	817	970	1,061	871	550	272	116	30	7	-	-	3
Black, male	208	217	281	344	433	301	186	123	41	12	1	-	-	-
Black, female	223	217	213	182	168	102	51	36	9	3	1	-	-	1
Black, female	110	92	82	71	84	50	27	15	8	3	1	-	-	-
<b>Chronic hepatitis and biliary cirrhosis (571.4,571.6)</b>														
All races, male	50	46	72	99	143	189	191	159	90	47	11	1	1	-
All races, female	33	20	27	41	57	55	52	45	24	11	3	-	-	-
White, male	17	26	45	58	86	134	139	114	66	36	8	1	1	-
White, female	29	13	21	33	53	52	49	41	23	11	3	-	-	-
Black, male	12	23	30	55	68	126	129	107	62	35	8	1	1	-
Black, female	3	1	2	5	1	3	1	2	-	-	-	-	-	-
Black, female	5	2	11	-	14	5	5	5	4	1	-	-	-	-
<b>Cirrhosis of liver and other and unspecified chronic liver disease without mention of alcohol (571.5,571.8-571.9)</b>														
All races, male	728	889	1,063	1,422	1,940	1,944	1,773	1,370	834	351	100	19	2	4
All races, female	533	636	734	950	1,229	1,167	997	672	389	172	45	6	1	3
White, male	195	253	329	472	711	777	776	698	445	179	55	13	1	1
White, female	416	513	608	818	1,109	1,075	926	634	372	167	43	5	1	3
Black, male	141	187	264	392	610	685	701	642	411	167	63	12	1	-
Black, female	110	107	112	114	108	81	80	31	13	4	1	1	-	-
Black, female	54	62	64	66	85	84	59	47	28	11	2	-	-	1
<b>Cholelithiasis and other disorders of gallbladder (574-575)</b>														
All races, male	32	36	47	88	138	272	352	482	538	561	366	129	25	-
All races, female	18	21	25	43	71	154	205	260	235	194	95	31	10	-
White, male	14	15	22	46	67	118	147	222	303	387	271	98	15	-
White, female	13	12	21	33	63	135	189	233	211	185	93	28	9	-
Black, male	8	11	17	33	52	102	131	198	276	337	252	84	14	-
Black, female	5	7	4	7	6	13	10	22	20	6	1	1	-	-
Black, female	6	4	4	9	14	13	15	19	21	26	16	4	1	-
<b>All other diseases of digestive system (530,534,536-537,564-570,572-573,578-579)</b>														
All races, male	586	729	830	1,209	1,800	2,131	2,479	2,937	2,902	2,598	1,611	586	114	3
All races, female	400	470	527	759	1,120	1,250	1,349	1,479	1,220	937	458	140	25	2
White, male	196	259	303	450	680	881	1,130	1,458	1,682	1,661	1,183	446	89	1
White, female	269	332	391	607	924	1,060	1,181	1,311	1,099	856	423	103	22	1
Black, male	129	176	213	347	543	747	985	1,275	1,519	1,534	1,081	414	86	-
Black, female	120	128	126	131	184	166	148	144	88	60	25	3	2	1
Black, female	58	73	79	95	123	123	134	168	143	118	84	30	3	1
<b>X. Diseases of the genitourinary system (580-629)</b>														
All races, male	423	538	733	1,116	1,999	3,126	4,282	6,263	7,363	7,041	4,571	1,671	333	4
All races, female	250	286	415	579	1,096	1,655	2,121	3,094	3,160	2,698	1,515	524	95	1
White, male	173	252	318	537	902	1,471	2,161	3,169	4,223	4,343	3,056	1,147	238	3
White, female	152	167	257	381	610	1,274	1,732	2,572	2,710	2,393	1,355	455	69	-
Black, male	102	142	196	339	607	1,104	1,629	2,572	3,633	3,836	2,745	1,030	194	3
Black, female	94	113	140	180	272	355	344	476	397	278	160	61	25	1
Black, female	62	105	113	191	274	346	500	560	558	481	284	110	41	-
<b>Diseases of urinary system (580-599)</b>														
All races, male	403	516	711	1,093	1,937	3,059	4,169	6,115	7,203	6,862	4,475	1,634	324	4
All races, female	246	279	405	570	1,055	1,603	2,041	2,891	3,019	2,561	1,436	500	88	1
White, male	157	237	306	523	882	1,456	2,128	3,134	4,184	4,301	3,039	1,134	296	3
White, female	150	161	251	373	776	1,230	1,663	2,478	2,592	2,272	1,287	432	63	-
Black, male	91	136	190	329	592	1,096	1,602	2,545	3,597	3,797	2,728	1,017	192	3
Black, female	92	112	137	179	295	347	334	491	379	283	140	60	24	1
Black, female	57	98	108	187	289	339	494	552	555	479	284	110	41	-
<b>Nephritis, nephrotic syndrome, and nephrosis (580-589)</b>														
All races, male	280	326	462	743	1,315	1,983	2,607	3,560	3,907	3,416	2,181	701	146	1
All races, female	161	184	271	404	717	1,075	1,346	1,854	1,824	1,488	801	246	45	1
White, male	99	142	191	339	598	908	1,261	1,706	2,063	1,980	1,330	455	101	-
White, female	103	99	174	268	583	829	1,122	1,560	1,554	1,286	725	213	93	-
Black, male	58	82	110	214	398	687	938	1,365	1,745	1,693	1,169	392	79	-
Black, female	55	81	86	124	173	228	200	269	234	180	71	26	12	1
Black, female	36	59	75	122	185	212	301	322	322	258	149	57	22	-
<b>Acute glomerulonephritis (580)</b>														
All races, male	-	2	3	3	12	5	11	20	15	18	8	5	2	-
All races, female	-	1	3	3	8	1	5	13	8	6	3	2	1	-
White, male	-	1	1	-	6	4	6	7	9	10	5	3	1	-
White, female	-	-	1	2	5	1	2	12	5	6	3	2	-	-
Black, male	-	1	-	-	5	4	4	3	9	8	5	3	1	-
Black, female	-	1	1	1	1	-	3	1	1	-	-	-	1	-
Black, female	-	-	1	-	1	-	2	3	-	2	-	-	-	-
<b>Nephrotic syndrome (581)</b>														
All races, male	3	4	5	9	11	21	31	33	29	28	9	4	-	-
All races, female	2	4	2	8	7	15	17	18	11	10	2	1	-	-
White, male	1	-	3	1	4	6	14	15	18	16	7	3	-	-
White, female	1	1	2	7	6	12	17	16	10	9	2	1	-	-
Black, male	1	-	1	-	2	5	12	14	13	12	6	2	-	-
Black, female	1	3	-	1	1	3	-	2	1	1	-	-	-	-
Black, female	-	-	2	1	2	1	2	1	5	4	1	-	-	-
<b>Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587)</b>														
All races, male	27	30	30	53	84	146	164	233	253	232	131	42	6	-
All races, female	14	15	19	25	51	78	82	129	129	104	61	18	2	-
White, male	13	15	11	28	33	68	72	104	124	128	70	24	4	-
White, female	10	12	14	15	38	64	76	112	109	90	54	16	2	-
Black, male	12	10	10	23	27	58	59	83	107	108	65	21	3	-
Black, female	4	2	5	9	12	13	11	14	19	14	5	1	-	-
Black, female	-	5	1	4	5	12	11	19	16	19	4	2	1	-
<b>Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589)</b>														
All races, male	230	290	424	678	1,208	1,811	2,401	3,274	3,610	3,144	1,983	650	138	1
All races, female	145	164	248	388	653	981	1,232	1,694	1,878	1,338	735	225	42	1
White, male	85	126	176	310	555	830	1,169	1,580	1,932	1,808	1,248	425	98	-
White, female	92	86	157	244	494	752	1,027	1,420	1,490	1,181	666	194	31	-
Black, male	45	71	99	191	364	622	863	1,265	1,616	1,565	1,093	386	75	-
Black, female	50	75	80	113	159	212	186	252	213	135	66	25	11	1
Black, female	36	54	71	117	177	199	286	299	301	233	144	55	21	-

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex †	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Diseases of urinary system-Con.</b>														
Infections of kidney (580)	1,610	5	2	1	-	-	8	-	2	-	6	8	10	12
All races, male	496	3	1	-	-	-	4	-	-	-	2	3	4	3
All races, female	1,114	2	1	1	-	-	4	-	2	-	4	5	6	9
White, male	414	3	-	-	-	-	3	-	-	-	1	3	2	1
White, female	1,001	2	1	1	-	-	4	-	-	-	2	4	2	6
Black, male	74	-	1	-	-	-	1	-	-	-	1	-	1	2
Black, female	101	-	-	-	-	-	-	-	2	-	2	1	3	3
Urinary calculus (592,594)	363	-	-	-	-	-	-	-	-	-	-	-	2	3
All races, male	138	-	-	-	-	-	-	-	-	-	-	-	1	3
All races, female	225	-	-	-	-	-	-	-	-	-	-	-	1	-
White, male	117	-	-	-	-	-	-	-	-	-	-	-	1	3
White, female	203	-	-	-	-	-	-	-	-	-	-	-	1	-
Black, male	19	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	20	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases of urinary system (581,583,585-593)	15,283	18	2	2	-	1	23	2	5	10	22	51	60	87
All races, male	5,945	12	2	2	-	-	16	1	5	18	34	34	33	56
All races, female	9,338	6	-	-	-	1	7	2	4	5	8	17	27	31
White, male	4,795	8	2	2	-	-	12	-	2	10	18	18	18	23
White, female	7,855	4	-	-	-	1	5	2	2	3	10	17	14	14
Black, male	1,072	4	-	-	-	-	4	1	2	5	16	15	33	33
Black, female	1,383	1	-	-	-	-	1	-	1	3	3	7	9	16
<b>Diseases of male genital organs (600-608)</b>														
All races, male	708	1	-	-	-	-	1	-	-	-	-	1	2	1
All races, female	708	1	-	-	-	-	1	-	-	-	-	1	2	1
White, male	603	1	-	-	-	-	1	-	-	-	-	1	2	1
White, female	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, male	92	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Hyperplasia of prostate (600)</b>														
All races, male	454	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, female	454	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	391	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, male	58	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Other diseases of male genital organs (601-608)</b>														
All races, male	254	1	-	-	-	-	1	-	-	-	-	1	2	1
All races, female	254	1	-	-	-	-	1	-	-	-	-	1	2	1
White, male	212	1	-	-	-	-	1	-	-	-	-	1	2	1
White, female	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, male	34	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Disorders of breast (610-611)</b>														
All races, male	35	-	-	-	-	-	-	-	-	-	-	-	1	2
All races, female	1	-	-	-	-	-	-	-	-	-	-	-	1	2
White, male	34	-	-	-	-	-	-	-	-	-	-	-	1	2
White, female	1	-	-	-	-	-	-	-	-	-	-	-	1	2
Black, male	29	-	-	-	-	-	-	-	-	-	-	-	1	2
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	5	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Diseases of female genital organs except breast (614-629)</b>														
All races, male	263	1	-	-	-	-	1	-	-	2	2	2	6	6
All races, female	263	1	-	-	-	-	1	-	-	2	2	2	6	6
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	199	-	-	-	-	-	-	-	-	1	1	1	4	2
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, female	60	1	-	-	-	-	1	-	-	2	1	1	4	4
<b>XI. Complications of pregnancy, childbirth, and the puerperium (630-676)</b>														
All races, male	330	-	-	-	-	-	-	-	-	34	77	76	75	52
All races, female	330	-	-	-	-	-	-	-	-	34	77	76	75	52
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	180	-	-	-	-	-	-	-	-	12	44	48	47	23
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, female	131	-	-	-	-	-	-	-	-	18	32	24	25	28
<b>Pregnancy with abortive outcome (630-638)</b>														
All races, male	61	-	-	-	-	-	-	-	-	8	15	12	13	9
All races, female	61	-	-	-	-	-	-	-	-	8	15	12	13	9
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	23	-	-	-	-	-	-	-	-	1	8	5	6	2
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, female	35	-	-	-	-	-	-	-	-	5	7	7	6	7
<b>Ectopic pregnancy (633)</b>														
All races, male	44	-	-	-	-	-	-	-	-	4	10	11	10	6
All races, female	44	-	-	-	-	-	-	-	-	4	10	11	10	6
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	18	-	-	-	-	-	-	-	-	-	7	5	4	1
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, female	24	-	-	-	-	-	-	-	-	3	3	6	5	6
<b>Spontaneous abortion (634)</b>														
All races, male	3	-	-	-	-	-	-	-	-	-	2	-	-	1
All races, female	3	-	-	-	-	-	-	-	-	-	2	-	-	1
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, female	2	-	-	-	-	-	-	-	-	-	1	-	-	1





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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex †	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Pregnancy with abortive outcome-Con.</b>														
Legally induced abortion (635)	5	...	...	...	...	...	...	...	...	2	1	...	1	1
All races, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All races, female	5	...	...	...	...	...	...	...	...	2	1	...	1	1
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	1	...	...	...	...	...	...	...	...	...	...	...	...	1
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, female	3	...	...	...	...	...	...	...	...	1	1	...	1	...
Illegally induced abortion (636)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All races, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All races, female	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, female	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other pregnancy with abortive outcome (630-632,637-639)	9	...	...	...	...	...	...	...	...	2	2	1	2	1
All races, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All races, female	9	...	...	...	...	...	...	...	...	2	2	1	2	1
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	3	...	...	...	...	...	...	...	...	1	...	...	2	...
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, female	6	...	...	...	...	...	...	...	...	1	2	1	...	1
Direct obstetric causes (640-646,651-676)	252	...	...	...	...	...	...	...	...	25	57	62	59	39
All races, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All races, female	252	...	...	...	...	...	...	...	...	25	57	62	59	39
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	149	...	...	...	...	...	...	...	...	11	34	41	39	17
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, female	87	...	...	...	...	...	...	...	...	12	22	15	17	19
Hemorrhage of pregnancy and childbirth (640-641,666)	35	...	...	...	...	...	...	...	...	2	6	16	6	4
All races, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All races, female	35	...	...	...	...	...	...	...	...	2	6	16	6	4
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	19	...	...	...	...	...	...	...	...	1	3	8	5	2
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, female	8	...	...	...	...	...	...	...	...	...	2	4	...	2
Toxemia of pregnancy (642.4-642.9,643)	58	...	...	...	...	...	...	...	...	6	13	14	15	10
All races, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All races, female	58	...	...	...	...	...	...	...	...	6	13	14	15	10
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	36	...	...	...	...	...	...	...	...	2	6	12	11	5
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, female	21	...	...	...	...	...	...	...	...	3	7	2	4	5
Obstructed labor (660)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All races, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All races, female	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, female	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Complications of the puerperium (670-676)	110	...	...	...	...	...	...	...	...	11	25	24	24	19
All races, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All races, female	110	...	...	...	...	...	...	...	...	11	25	24	24	19
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	64	...	...	...	...	...	...	...	...	5	16	15	15	9
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, female	41	...	...	...	...	...	...	...	...	6	9	7	9	8
Other direct obstetric causes (642.0-642.3,644-646,651-659,661-665,667-669)	49	...	...	...	...	...	...	...	...	6	13	8	13	6
All races, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All races, female	49	...	...	...	...	...	...	...	...	6	13	8	13	6
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	30	...	...	...	...	...	...	...	...	3	9	6	8	1
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, female	17	...	...	...	...	...	...	...	...	3	4	2	4	4
Indirect obstetric causes (647-648)	16	...	...	...	...	...	...	...	...	1	5	2	3	4
All races, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All races, female	16	...	...	...	...	...	...	...	...	1	5	2	3	4
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	7	...	...	...	...	...	...	...	...	...	2	...	1	4
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, female	9	...	...	...	...	...	...	...	...	1	3	2	2	...
Delivery in a completely normal case (850)	1	...	...	...	...	...	...	...	...	...	...	...	1	...
All races, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All races, female	1	...	...	...	...	...	...	...	...	...	...	...	1	...
White, male	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White, female	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Black, male	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Black, female	...	...	...	...	...	...	...	...	...	...	...	...	...	...
XII. Diseases of the skin and subcutaneous tissue (680-709)	3,830	6	3	...	1	...	10	2	2	2	8	16	25	41
All races, male	1,395	2	2	...	1	...	5	...	2	...	3	5	15	23
All races, female	2,435	4	1	...	...	...	5	2	2	2	5	11	10	18
White, male	894	2	1	...	...	...	3	...	2	...	1	3	9	16
White, female	1,739	3	1	...	...	...	4	1	1	1	3	4	6	9
Black, male	384	...	1	...	1	...	2	...	...	...	2	2	6	6
Black, female	675	1	...	...	...	...	1	...	...	1	2	7	4	9

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
Pregnancy with abortive outcome—Con.														
Legally induced abortion (635)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Illegally induced abortion (636)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other pregnancy with abortive outcome (630-632,637-638)	1	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, female	1	—	—	—	—	—	—	—	—	—	—	—	—	—
White, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Direct obstetric causes (640-646,651-676)	10	—	1	—	—	—	—	—	—	—	—	—	—	—
All races, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, female	10	—	1	—	—	—	—	—	—	—	—	—	—	—
White, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, female	7	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	1	—	1	—	—	—	—	—	—	—	—	—	—	—
Hemorrhage of pregnancy and childbirth (640-641,666)	1	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, female	1	—	—	—	—	—	—	—	—	—	—	—	—	—
White, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Toxemia of pregnancy (642.4-642.9,643)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Obstructed labor (680)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Complications of the puerperium (670-676)	6	—	1	—	—	—	—	—	—	—	—	—	—	—
All races, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, female	6	—	1	—	—	—	—	—	—	—	—	—	—	—
White, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, female	4	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	1	—	1	—	—	—	—	—	—	—	—	—	—	—
Other direct obstetric causes (642.0-642.3,644-646,651-659,661-665,667-669)	3	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, female	3	—	—	—	—	—	—	—	—	—	—	—	—	—
White, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, female	3	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Indirect obstetric causes (647-648)	—	1	—	—	—	—	—	—	—	—	—	—	—	—
All races, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, female	—	1	—	—	—	—	—	—	—	—	—	—	—	—
White, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Delivery in a completely normal case (650)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All races, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
White, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, male	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black, female	—	—	—	—	—	—	—	—	—	—	—	—	—	—
XII, Diseases of the skin and subcutaneous tissue (680-709)	28	34	58	86	135	219	402	562	742	730	487	197	44	—
All races, male	13	17	31	33	71	104	191	243	248	228	122	36	7	—
All races, female	15	17	27	53	64	115	211	319	496	502	365	161	37	—
White, male	7	13	22	21	46	82	127	175	190	167	100	26	4	—
White, female	11	13	18	34	33	70	143	212	368	379	283	127	24	—
Black, male	6	4	9	12	25	40	83	85	55	55	20	9	3	—
Black, female	9	4	11	19	30	44	68	103	124	120	78	34	13	—

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex:	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Infections of skin and subcutaneous tissue (680-686)</b>	791	2	1	-	-	-	3	-	2	1	1	4	10	19
All races, male	318	1	1	-	-	-	2	-	2	-	-	1	6	11
All races, female	473	1	-	-	-	-	1	-	-	1	1	3	4	8
White, male	268	1	-	-	-	-	1	-	2	-	-	1	5	10
White, female	398	1	-	-	-	-	1	-	-	1	1	-	2	4
Black, male	49	-	1	-	-	-	1	-	-	-	-	-	1	1
Black, female	70	-	-	-	-	-	-	-	-	-	-	3	2	4
<b>All other diseases of skin and subcutaneous tissue (690-709)</b>	3,039	4	2	-	1	-	7	2	-	1	7	12	15	22
All races, male	1,077	1	1	-	1	-	3	-	-	-	3	4	6	12
All races, female	1,962	3	1	-	-	-	4	2	-	1	4	6	9	10
White, male	726	1	1	-	-	-	2	-	-	1	1	2	4	6
White, female	1,341	2	1	-	-	-	3	1	-	-	2	4	4	5
Black, male	395	-	-	-	1	-	1	-	-	-	2	2	2	5
Black, female	605	1	-	-	-	-	1	-	-	1	2	4	2	5
<b>XIII. Diseases of the musculoskeletal system and connective tissue (710-739)</b>	6,863	10	3	3	2	1	19	7	19	38	85	122	139	186
All races, male	1,977	8	2	3	-	1	14	2	5	11	19	27	31	36
All races, female	4,886	2	1	-	2	-	5	5	14	27	66	95	108	100
White, male	1,634	5	-	2	-	1	8	2	4	6	10	19	20	20
White, female	4,076	2	1	-	2	-	5	2	8	8	25	35	60	53
Black, male	307	3	2	1	-	-	6	-	1	5	8	7	11	15
Black, female	732	-	-	-	-	-	-	3	6	18	33	56	40	49
<b>Rheumatoid arthritis and other inflammatory polyarthropathies (714)</b>	1,534	1	-	-	-	-	1	1	-	1	1	2	6	5
All races, male	412	1	-	-	-	-	1	1	-	-	1	1	2	4
All races, female	1,122	-	-	-	-	-	-	-	-	1	1	1	4	1
White, male	389	1	-	-	-	-	1	1	-	-	1	1	1	4
White, female	1,042	-	-	-	-	-	-	-	-	-	1	1	3	-
Black, male	18	-	-	-	-	-	-	-	-	-	-	-	1	-
Black, female	71	-	-	-	-	-	-	-	1	-	-	-	-	1
<b>Other arthropathies and related disorders (710-712,715-719)</b>	3,216	1	-	-	-	1	2	4	9	28	71	106	111	108
All races, male	747	1	-	-	-	1	2	4	9	5	19	15	16	17
All races, female	2,469	-	-	-	-	-	-	4	8	23	58	91	95	91
White, male	609	-	-	-	-	1	1	-	3	3	6	10	9	9
White, female	1,875	-	-	-	-	-	-	1	3	6	21	33	50	45
Black, male	124	1	-	-	-	-	1	-	1	2	6	4	7	8
Black, female	534	-	-	-	-	-	-	3	5	16	31	54	38	42
<b>Dorsopathies (720-724)</b>	207	-	-	-	-	-	-	-	-	-	-	1	1	1
All races, male	193	-	-	-	-	-	-	-	-	-	-	-	1	1
All races, female	74	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	103	-	-	-	-	-	-	-	-	-	-	-	1	-
White, female	63	-	-	-	-	-	-	-	-	-	-	-	1	-
Black, male	28	-	-	-	-	-	-	-	-	-	-	-	1	1
Black, female	10	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Rheumatism, excluding the back (725-729)</b>	443	5	2	3	1	-	11	1	2	3	5	8	10	9
All races, male	232	5	1	3	-	-	9	-	2	2	1	7	8	8
All races, female	211	-	1	-	1	-	2	1	1	1	4	1	2	1
White, male	162	3	-	2	-	-	5	-	1	1	1	6	6	2
White, female	157	-	1	-	1	-	2	1	1	1	2	-	1	1
Black, male	62	2	1	1	-	-	4	-	-	2	-	1	2	5
Black, female	48	-	-	-	-	-	-	-	-	1	-	1	1	-
<b>Osteopathies, chondropathies, and acquired musculoskeletal deformities (730-739)</b>	1,463	3	1	-	1	-	5	1	8	6	8	5	11	13
All races, male	453	1	1	-	-	-	2	1	3	4	5	3	5	6
All races, female	1,010	2	-	-	1	-	3	-	5	2	3	2	6	7
White, male	371	1	-	-	-	-	1	1	3	3	3	2	4	5
White, female	939	2	-	-	1	-	3	-	4	3	1	1	5	7
Black, male	75	-	1	-	-	-	1	-	-	1	2	1	1	1
Black, female	69	-	-	-	-	-	-	-	1	-	1	1	1	-
<b>XIV. Congenital anomalies (740-759)</b>	12,753	6,141	442	244	129	98	9,054	281	218	237	237	246	219	220
All races, male	6,775	4,384	241	150	67	53	4,895	160	126	135	132	129	121	134
All races, female	5,978	3,757	201	94	62	45	4,159	121	92	102	105	117	98	86
White, male	5,491	3,474	201	124	46	46	3,891	117	108	99	111	113	100	107
White, female	4,843	2,968	152	70	48	40	3,278	98	72	88	95	93	76	66
Black, male	1,069	747	38	22	15	6	826	35	17	32	17	15	18	25
Black, female	950	663	37	21	7	4	732	19	17	11	9	23	20	18
<b>Spina bifida (741)</b>	167	69	13	7	6	2	97	9	9	10	9	9	5	6
All races, male	75	27	6	3	4	1	41	7	3	4	5	4	1	3
All races, female	92	42	7	4	2	1	56	2	6	6	4	5	4	2
White, male	60	19	4	3	3	1	30	4	3	4	5	4	1	2
White, female	82	35	7	3	2	1	48	2	6	6	4	4	4	2
Black, male	14	7	2	-	1	-	10	3	-	-	-	-	-	1
Black, female	10	7	-	1	-	-	8	-	-	-	-	1	-	-
<b>All other congenital anomalies of nervous system (740,742)</b>	1,551	1,035	81	34	20	8	1,178	54	42	24	23	18	14	12
All races, male	736	462	42	21	6	4	535	27	28	9	14	12	7	5
All races, female	815	573	39	13	14	4	643	27	14	15	9	6	7	7
White, male	601	373	35	15	4	4	431	17	23	7	9	11	6	2
White, female	677	469	28	9	12	3	521	21	12	14	8	6	6	6
Black, male	107	67	6	5	1	-	79	8	5	2	4	1	1	3
Black, female	114	86	9	4	-	-	100	4	2	1	1	-	1	1
<b>Congenital anomalies of heart (745-748)</b>	4,570	2,582	209	125	71	59	3,048	143	111	124	128	125	112	95
All races, male	2,487	1,422	113	80	41	26	1,682	85	67	76	71	71	84	56
All races, female	2,083	1,160	96	45	30	33	1,366	58	44	48	57	54	48	39
White, male	2,037	1,140	101	63	29	21	1,354	66	57	55	59	50	53	46
White, female	1,700	822	69	34	23	30	1,079	48	34	42	50	40	39	32
Black, male	363	227	11	14	8	4	264	13	9	19	9	10	10	7
Black, female	323	207	17	9	4	3	240	7	8	4	6	14	8	6

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Infections of skin and subcutaneous tissue (680-686)</b>	14	14	30	25	48	59	96	108	130	107	85	26	8	-
All races, male	8	12	19	10	22	29	48	50	47	31	15	4	1	-
All races, female	6	2	11	15	26	30	48	58	83	76	71	22	7	-
White, male	3	9	13	7	19	27	37	43	43	29	15	4	-	-
White, female	5	1	8	11	19	24	42	50	72	67	63	21	6	-
Black, male	5	3	6	3	3	2	11	6	4	2	-	-	1	-
Black, female	-	1	3	4	7	5	6	8	10	9	6	1	1	-
<b>All other diseases of skin and subcutaneous tissue (690-709)</b>	14	20	28	61	87	160	306	454	612	623	401	171	36	-
All races, male	5	5	12	23	49	75	143	183	199	197	107	32	6	-
All races, female	9	15	16	38	38	85	163	261	413	426	294	139	30	-
White, male	4	4	9	14	27	35	80	132	147	138	85	22	4	-
White, female	6	12	8	23	14	46	101	162	294	312	220	106	18	-
Black, male	1	1	3	9	22	38	52	59	51	53	20	9	2	-
Black, female	3	3	8	15	23	39	62	95	114	111	72	33	12	-
<b>XIII. Diseases of the musculoskeletal system and connective tissue (710-739)</b>	190	213	278	354	531	698	902	946	876	711	408	153	38	-
All races, male	50	59	97	117	170	255	299	281	245	147	79	28	5	-
All races, female	140	154	181	237	361	443	603	665	631	564	329	125	33	-
White, male	38	38	79	95	132	208	252	249	219	131	75	27	4	-
White, female	81	90	133	169	288	382	551	615	579	527	303	122	30	-
Black, male	11	20	16	21	33	42	39	29	22	15	4	1	1	-
Black, female	55	54	42	59	60	55	47	48	48	36	22	3	3	-
<b>Rheumatoid arthritis and other inflammatory polyarthropathies (714)</b>	4	15	48	72	134	194	301	316	231	134	51	16	1	-
All races, male	1	5	20	26	39	71	86	83	45	16	8	3	1	-
All races, female	3	10	28	46	95	123	215	233	186	118	43	13	1	-
White, male	1	3	18	24	37	70	80	81	43	14	7	3	3	-
White, female	2	6	24	44	87	119	199	220	173	109	41	13	1	-
Black, male	-	2	2	2	1	-	4	1	2	2	1	-	-	-
Black, female	1	4	3	2	7	4	14	11	13	10	-	-	-	-
<b>Other arthropathies and related disorders (710-712,715-719)</b>	148	156	174	200	293	350	356	373	310	222	129	53	13	-
All races, male	23	30	48	42	77	81	97	102	81	43	29	12	3	-
All races, female	125	126	126	158	216	269	259	271	229	179	100	41	10	-
White, male	17	17	37	33	60	74	85	96	68	42	29	11	2	-
White, female	69	72	90	104	171	219	232	251	208	168	91	36	8	-
Black, male	6	11	9	9	16	15	11	6	9	1	-	1	1	-
Black, female	52	46	32	46	44	40	24	20	19	10	6	3	1	-
<b>Dorsopathies (720-724)</b>	2	6	12	15	14	29	33	32	33	16	10	2	-	-
All races, male	2	5	9	12	10	19	23	21	19	8	3	-	-	-
All races, female	-	1	3	3	4	10	10	11	14	8	7	2	-	-
White, male	1	4	7	10	8	14	18	14	18	6	3	-	-	-
White, female	-	-	2	2	4	9	8	9	14	6	6	2	-	-
Black, male	1	1	2	2	2	5	4	6	4	2	-	-	-	-
Black, female	-	1	1	1	-	1	2	2	1	2	-	-	-	-
<b>Rheumatism, excluding the back (725-729)</b>	14	19	19	29	33	42	65	55	67	39	16	6	-	-
All races, male	12	7	8	15	15	26	37	23	27	16	8	2	-	-
All races, female	2	12	11	14	18	16	28	32	30	23	8	4	-	-
White, male	8	3	5	8	9	15	29	20	22	13	7	2	-	-
White, female	1	7	6	7	10	11	26	26	24	19	8	4	-	-
Black, male	3	3	3	6	4	10	7	3	5	3	1	-	-	-
Black, female	1	3	4	6	7	5	2	6	6	3	1	-	-	-
<b>Osteopathies, chondropathies, and acquired musculoskeletal deformities (730-739)</b>	22	17	25	38	57	83	147	170	245	300	202	76	24	-
All races, male	12	12	12	22	29	48	56	52	73	84	31	11	2	-
All races, female	10	5	13	16	28	35	91	118	172	236	171	65	22	-
White, male	11	9	12	20	18	35	40	38	68	56	28	11	2	-
White, female	9	5	11	12	26	30	86	109	160	225	157	65	20	-
Black, male	1	3	-	2	10	12	13	13	5	7	2	-	-	-
Black, female	1	-	2	4	2	5	5	9	11	10	14	-	2	-
<b>XIV. Congenital anomalies (740-759)</b>	191	160	176	181	252	242	248	228	193	101	45	15	4	5
All races, male	100	84	92	97	113	114	100	111	73	40	13	4	1	1
All races, female	91	76	84	84	139	128	148	117	120	61	32	11	3	4
White, male	83	75	84	83	97	102	94	107	67	34	13	4	1	1
White, female	77	62	70	78	122	116	131	111	109	58	30	10	2	3
Black, male	15	7	6	14	15	11	4	1	6	5	-	-	-	-
Black, female	13	11	12	4	16	8	17	6	7	3	1	1	1	1
<b>Spina bifida (741)</b>	3	3	1	1	2	3	-	-	1	-	-	-	-	-
All races, male	3	2	1	1	2	3	-	-	1	-	-	-	-	-
All races, female	-	1	-	-	-	-	-	-	-	-	-	-	-	-
White, male	3	2	1	-	-	-	-	-	1	-	-	-	-	-
White, female	-	1	-	1	1	3	-	-	-	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	1	-	-	-	-	-	-	-	-	-
<b>All other congenital anomalies of nervous system (740,742)</b>	6	9	9	9	16	18	27	40	24	16	6	4	-	-
All races, male	6	3	6	5	8	9	16	19	14	8	4	1	-	-
All races, female	2	6	3	4	8	9	11	21	10	8	2	3	-	-
White, male	4	3	5	4	8	9	16	19	14	8	4	1	-	-
White, female	2	6	2	4	7	9	10	20	10	8	2	3	-	-
Black, male	2	-	1	1	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	1	-	1	-	1	1	-	-	-	-	-	-
<b>Congenital anomalies of heart (745-746)</b>	84	66	58	64	77	87	84	75	54	25	8	1	2	1
All races, male	40	40	29	37	38	45	34	34	12	4	-	1	1	1
All races, female	44	26	29	27	39	42	50	41	42	21	8	-	1	1
White, male	35	35	26	33	35	41	32	31	12	3	-	1	1	1
White, female	38	23	28	24	33	37	46	39	39	20	8	-	1	1
Black, male	5	3	2	4	3	4	-	1	-	-	-	-	-	-
Black, female	6	3	1	1	6	4	4	2	2	1	-	-	-	-

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex *	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Other congenital anomalies of circulatory system (747)</b>	1,249	594	21	11	8	7	631	25	23	26	23	35	33	52
All races, male	640	323	12	4	4	5	348	17	11	17	12	9	17	33
All races, female	609	271	9	7	4	2	283	8	12	9	11	26	18	19
White, male	498	236	10	3	2	5	256	15	10	12	10	8	12	26
White, female	473	189	8	5	2	1	205	7	10	7	11	20	10	12
Black, male	123	76	2	1	2	-	81	2	1	4	2	1	3	6
Black, female	111	62	1	1	-	1	65	-	2	2	-	5	5	6
<b>All other congenital anomalies (743-744,748-759)</b>	5,216	3,871	110	67	24	22	4,102	50	38	69	51	59	55	56
All races, male	2,897	2,150	68	42	12	17	2,289	24	17	29	30	33	32	37
All races, female	2,379	1,721	50	25	12	5	1,813	26	18	24	24	26	23	19
White, male	2,285	1,706	51	40	8	15	1,820	15	15	21	28	30	28	29
White, female	1,911	1,353	40	19	9	5	1,426	18	10	19	22	23	17	14
Black, male	462	370	15	2	3	2	392	9	2	7	2	3	4	8
Black, female	392	301	10	6	2	-	319	6	5	4	2	3	6	6
<b>XV. Certain conditions originating in the perinatal period (760-779)</b>	18,220	18,036	90	23	11	5	18,185	17	5	5	4	5	4	2
All races, male	10,393	10,280	56	13	6	4	10,359	13	3	4	2	1	3	-
All races, female	7,827	7,756	34	10	5	1	7,806	4	2	1	2	4	1	2
White, male	6,485	6,407	31	9	6	2	6,455	12	2	4	2	1	3	-
White, female	4,707	4,653	25	8	3	1	4,691	3	2	1	-	4	1	2
Black, male	3,693	3,660	24	4	-	1	3,689	1	1	-	-	-	-	-
Black, female	2,921	2,906	6	2	2	-	2,916	1	-	-	2	-	-	-
<b>Birth trauma (767)</b>	226	216	1	-	-	-	217	2	1	1	-	1	2	1
All races, male	123	123	-	-	-	-	123	2	-	1	-	1	2	-
All races, female	96	93	1	-	-	-	94	-	1	-	-	-	1	-
White, male	87	80	-	-	-	-	80	2	-	1	-	-	2	-
White, female	71	68	1	-	-	-	69	-	1	-	-	-	-	1
Black, male	39	39	-	-	-	-	39	-	-	-	-	-	-	-
Black, female	20	20	-	-	-	-	20	-	-	-	-	-	-	-
<b>Intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (768-769)</b>	3,998	3,958	17	7	3	1	3,996	5	1	1	2	-	-	-
All races, male	2,378	2,355	8	3	2	1	2,369	5	1	1	1	-	-	-
All races, female	1,618	1,603	9	4	1	-	1,617	-	-	-	1	-	-	-
White, male	1,660	1,644	3	3	2	-	1,652	5	1	1	1	-	-	-
White, female	1,043	1,031	8	3	1	-	1,043	-	-	-	-	-	-	-
Black, male	664	658	5	-	-	-	663	-	-	-	-	-	-	-
Black, female	533	531	-	1	-	-	532	-	-	-	1	-	-	-
<b>Other conditions originating in the perinatal period (760-766,770-779)</b>	13,998	13,862	72	16	8	4	13,962	10	3	3	2	4	2	1
All races, male	7,885	7,802	48	10	4	3	7,857	6	2	2	1	-	1	-
All races, female	6,113	6,060	24	6	4	1	6,095	4	1	1	1	4	1	1
White, male	4,738	4,689	28	6	4	2	4,723	5	1	2	1	-	1	-
White, female	3,593	3,554	17	5	2	1	3,579	3	1	1	-	4	1	1
Black, male	2,890	2,863	19	4	-	1	2,987	1	1	-	-	-	-	-
Black, female	2,368	2,355	6	1	2	-	2,364	1	-	-	1	-	-	-
<b>XVI. Symptoms, signs, and ill-defined conditions (780-799)</b>	30,951	6,486	186	64	37	11	6,784	84	84	290	562	943	1,174	1,242
All races, male	16,969	3,861	105	36	22	6	4,030	47	54	192	382	649	856	858
All races, female	13,982	2,625	81	28	15	5	2,754	37	30	98	180	294	318	384
White, male	12,947	2,680	71	27	20	1	2,799	24	35	145	288	463	579	544
White, female	11,113	1,662	58	18	10	2	1,750	25	22	64	114	189	199	222
Black, male	3,692	1,050	31	9	2	5	1,097	22	16	42	83	170	248	303
Black, female	2,661	868	17	8	5	3	901	10	6	27	62	87	115	155
<b>Senility without mention of psychosis (797)</b>	1,414	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, male	397	-	-	-	-	-	-	-	-	-	-	-	-	-
All races, female	1,017	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	335	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	920	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	55	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	91	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Symptoms, signs, and other ill-defined conditions (780-796,798-799)</b>	29,537	6,486	186	64	37	11	6,784	84	84	290	562	943	1,174	1,242
All races, male	16,572	3,861	105	36	22	6	4,030	47	54	192	382	649	856	858
All races, female	12,965	2,625	81	28	15	5	2,754	37	30	98	180	294	318	384
White, male	12,612	2,680	71	27	20	1	2,799	24	35	145	288	463	579	544
White, female	10,193	1,662	58	18	10	2	1,750	25	22	64	114	189	193	222
Black, male	3,637	1,050	31	9	2	5	1,097	22	16	42	83	170	248	303
Black, female	2,570	868	17	8	5	3	901	10	6	27	62	87	115	155
<b>Supplementary classification of external causes of injury and poisoning (E800-E999)</b>	152,572	1,293	1,035	876	779	604	4,587	2,309	2,681	12,849	16,807	16,426	14,902	11,995
All races, male	108,919	709	581	526	488	376	2,680	1,460	1,839	9,765	13,582	12,979	11,671	9,379
All races, female	43,753	584	454	350	291	228	1,907	849	842	3,084	3,225	3,447	3,231	2,616
White, male	86,029	462	421	382	339	262	1,866	1,055	1,405	7,565	10,228	9,716	8,771	7,117
White, female	36,168	378	335	233	210	146	1,302	600	617	2,810	2,487	2,556	2,394	2,033
Black, male	20,114	232	140	123	127	105	727	358	368	1,906	2,826	2,889	2,608	2,044
Black, female	6,513	195	106	102	65	73	541	211	193	368	686	786	728	500
<b>Accidents and adverse effects (E800-E949)</b>	97,100	936	865	751	691	551	3,794	2,102	2,113	8,498	10,009	8,823	7,905	6,426
All races, male	65,821	530	484	462	434	348	2,258	1,342	1,450	6,231	7,964	6,935	6,167	5,003
All races, female	31,279	406	381	289	257	203	1,536	760	663	2,267	2,045	1,888	1,738	1,423
White, male	54,435	360	358	344	312	245	1,819	984	1,140	5,404	6,749	5,764	5,040	3,989
White, female	28,656	278	269	207	181	132	1,087	544	508	2,017	1,725	1,551	1,352	1,112
Black, male	9,908	160	107	98	101	94	560	315	263	848	848	844	979	965
Black, female	3,879	121	80	70	52	64	387	182	124	173	244	283	327	262
<b>Transport accidents (E800-E848)</b>	51,855	218	265	262	268	236	1,249	1,225	1,323	6,958	7,917	6,209	4,915	3,732
All races, male	36,656	120	127	144	152	138	681	766	800	4,911	6,189	4,797	3,715	2,821
All races, female	15,199	98	138	118	116	98	568	459	483	2,047	1,728	1,412	1,200	911
White, male	31,198	94	94	110	119	109	526	597	711	4,361	5,322	4,063	3,129	2,331
White, female	13,189	81	108	81	88	73	441	348	380	1,844	1,498	1,207	993	766
Black, male	4,388	23	27	27	24	27	129	149	125	419	652	567	483	408
Black, female	1,516	16	22	21	17	21	97	91	62	138	167	163	171	111

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Other congenital anomalies of circulatory system (747)</b>	50	36	47	35	48	40	52	32	37	13	7	4	-	-
All races, male	28	17	25	18	18	22	15	15	14	3	-	-	-	-
All races, female	22	19	21	17	30	18	37	17	23	10	7	4	-	-
White, male	20	15	25	16	14	17	13	15	12	2	-	-	-	-
White, female	17	13	15	16	27	14	32	16	20	10	7	4	-	-
Black, male	6	2	-	2	4	4	2	-	2	1	-	-	-	-
Black, female	4	4	4	1	3	2	5	1	2	-	-	-	-	-
<b>All other congenital anomalies (743-744,748-759)</b>	46	46	61	72	109	84	85	81	77	47	24	6	2	4
All races, male	23	22	30	37	49	38	35	43	32	25	9	2	-	1
All races, female	23	24	31	35	60	56	50	38	45	22	15	4	2	3
White, male	21	20	27	30	40	35	33	42	28	21	9	2	-	1
White, female	20	19	25	33	54	53	43	36	40	20	13	3	1	2
Black, male	2	2	3	7	8	3	2	-	4	4	-	-	-	-
Black, female	3	4	6	2	5	2	7	2	3	2	1	1	1	1
<b>XV. Certain conditions originating in the perinatal period (760-779)</b>	-	2	1	-	-	-	-	1	-	-	1	-	-	8
All races, male	-	1	-	-	-	-	-	1	-	-	1	-	-	5
All races, female	-	1	1	-	-	-	-	-	-	-	-	-	-	3
White, male	-	1	-	-	-	-	-	1	-	-	1	-	-	3
White, female	-	1	-	-	-	-	-	-	-	-	-	-	-	2
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Black, female	-	-	1	-	-	-	-	-	-	-	-	-	-	1
<b>Birth trauma (767)</b>	-	1	-	-	-	-	-	-	-	-	-	-	-	-
All races, male	-	1	-	-	-	-	-	-	-	-	-	-	-	-
All races, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	-	1	-	-	-	-	-	-	-	-	-	-	-	-
White, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (769-769)</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	1
All races, male	-	-	-	-	-	-	-	-	-	-	-	-	-	1
All races, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Other conditions originating in the perinatal period (760-766,770-779)</b>	-	1	1	-	-	-	-	1	-	-	1	-	-	7
All races, male	-	-	-	-	-	-	-	1	-	-	-	-	-	4
All races, female	-	1	1	-	-	-	-	-	-	-	1	-	-	3
White, male	-	-	-	-	-	-	-	1	-	-	-	-	-	3
White, female	-	1	-	-	-	-	-	-	-	-	1	-	-	2
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Black, female	-	-	1	-	-	-	-	-	-	-	-	-	-	1
<b>XVI. Symptoms, signs, and ill-defined conditions (780-799)</b>	856	782	849	1,040	1,538	1,940	2,207	2,537	2,851	2,317	1,718	889	296	80
All races, male	632	525	540	693	986	1,198	1,269	1,289	1,127	852	505	199	60	56
All races, female	324	257	309	347	572	742	938	1,248	1,524	1,465	1,211	670	246	34
White, male	427	350	398	529	769	980	1,079	1,124	962	739	458	171	40	44
White, female	227	182	230	264	472	609	709	1,099	1,356	1,310	1,111	624	219	29
Black, male	191	160	130	151	188	209	182	153	156	105	40	26	8	12
Black, female	89	73	75	81	95	138	136	140	180	137	97	41	32	4
<b>Senility without mention of psychosis (797)</b>	-	-	1	1	1	9	50	71	210	301	363	257	150	-
All races, male	-	-	1	-	1	5	26	32	78	92	90	48	24	-
All races, female	-	-	-	1	-	4	24	39	132	209	273	209	126	-
White, male	-	-	1	-	1	5	23	23	60	77	80	42	23	-
White, female	-	-	-	1	-	2	22	33	116	189	250	199	109	-
Black, male	-	-	-	-	-	-	1	8	16	15	8	6	1	-
Black, female	-	-	-	-	-	2	2	5	15	18	22	10	17	-
<b>Symptoms, signs, and other ill-defined conditions (780-786,788-799)</b>	856	782	848	1,039	1,537	1,931	2,157	2,486	2,441	2,016	1,353	612	146	90
All races, male	632	525	539	693	955	1,193	1,243	1,257	1,049	760	415	151	26	56
All races, female	324	257	309	346	572	738	914	1,209	1,392	1,256	938	461	120	34
White, male	427	350	397	529	768	975	1,056	1,101	902	662	378	129	17	44
White, female	227	182	230	263	472	597	777	1,066	1,240	1,130	861	426	104	29
Black, male	191	160	130	151	188	209	181	145	140	90	32	20	7	12
Black, female	89	73	75	81	95	136	134	135	145	119	75	31	15	4
<b>Supplementary classification of external causes of injury and poisoning (E800-E999)</b>	9,231	7,045	8,018	6,087	6,318	6,631	6,593	6,787	6,357	4,885	2,738	892	170	266
All races, male	6,963	5,255	4,369	4,388	4,435	4,460	4,189	4,048	3,448	2,234	1,114	280	48	224
All races, female	2,268	1,790	1,647	1,698	1,883	2,171	2,394	2,739	2,911	2,661	1,624	612	122	42
White, male	5,508	4,188	3,525	3,648	3,723	3,807	3,663	3,579	3,143	2,034	1,018	256	41	173
White, female	1,809	1,504	1,393	1,449	1,634	1,901	2,100	2,463	2,650	2,442	1,535	556	107	26
Black, male	1,280	949	744	657	625	585	468	414	247	166	82	20	7	46
Black, female	374	244	218	206	216	229	258	241	224	185	82	46	11	16
<b>Accidents and adverse effects (E800-E949)</b>	5,125	3,960	3,554	3,639	4,024	4,366	4,585	5,019	5,126	4,334	2,534	845	167	132
All races, male	3,868	2,985	2,539	2,557	2,712	2,767	2,682	2,662	2,488	1,823	976	246	45	121
All races, female	1,257	975	1,015	1,082	1,312	1,619	1,903	2,357	2,638	2,511	1,558	599	122	11
White, male	3,094	2,393	2,005	2,065	2,209	2,301	2,259	2,301	2,233	1,651	886	223	40	92
White, female	1,000	788	852	911	1,117	1,422	1,666	2,104	2,421	2,324	1,475	545	107	8
Black, male	666	511	480	434	433	392	365	317	206	142	77	19	5	26
Black, female	208	153	139	137	167	166	211	219	191	169	77	46	11	3
<b>Transport accidents (E800-E849)</b>	2,981	2,248	1,961	1,839	1,832	1,841	1,753	1,809	1,320	686	178	31	8	50
All races, male	2,171	1,635	1,355	1,220	1,209	1,144	1,023	968	736	375	115	16	5	44
All races, female	820	613	606	619	623	697	730	741	584	291	63	15	3	6
White, male	1,817	1,371	1,130	1,029	1,027	977	874	764	693	331	102	14	5	34
White, female	681	524	525	537	521	631	676	683	558	272	62	14	3	5
Black, male	286	211	194	167	151	134	124	86	40	34	12	2	-	7
Black, female	100	69	62	60	55	48	38	43	22	16	1	1	-	1

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Transport accidents—Con.</b>														
Railway accidents (E800-E807)	571	-	2	3	-	1	6	5	16	60	70	76	82	81
All races, male	514	-	2	2	-	1	5	4	12	54	66	69	75	56
All races, female	57	-	-	1	-	-	1	1	4	6	4	6	7	5
White, male	382	-	2	2	-	-	4	2	6	44	58	58	56	38
White, female	44	-	-	1	-	-	1	1	2	6	9	5	2	4
Black, male	108	-	-	-	-	1	1	2	4	8	8	10	14	15
Black, female	12	-	-	-	-	-	-	-	2	-	1	1	5	1
Motor vehicle accidents (E810-E825)	49,078	215	258	258	258	231	1,220	1,176	1,247	6,785	7,621	5,872	4,581	3,441
All races, male	34,258	118	122	142	144	135	661	735	803	4,767	5,922	4,504	3,405	2,663
All races, female	14,820	97	136	116	114	86	559	441	444	2,018	1,699	1,368	1,156	878
White, male	28,127	92	89	108	113	107	508	570	670	4,235	5,084	3,810	2,861	2,111
White, female	12,847	80	106	89	86	72	433	333	363	1,816	1,475	1,184	949	734
Black, male	4,139	23	27	27	23	26	128	148	115	407	623	538	458	377
Black, female	1,484	16	22	21	17	21	97	89	59	187	161	162	162	110
Motor vehicle traffic accidents (E810-E819)	48,024	210	185	212	235	205	1,047	1,129	1,193	6,694	7,506	5,777	4,505	3,378
All races, male	33,461	113	87	122	135	119	576	698	759	4,889	5,822	4,422	3,357	2,508
All races, female	14,563	97	98	90	100	86	471	433	434	2,005	1,684	1,355	1,148	870
White, male	28,418	88	62	95	105	93	443	532	629	4,181	5,008	3,738	2,815	2,068
White, female	12,616	80	76	68	75	63	382	325	356	1,805	1,461	1,151	941	727
Black, male	4,086	22	23	22	22	25	114	148	110	404	620	534	457	373
Black, female	1,472	16	18	17	18	21	88	89	59	136	161	162	162	110
Involving collision with train (E810)	838	4	2	5	10	3	24	18	13	87	81	82	64	51
All races, male	441	2	-	3	7	1	13	11	7	56	64	55	42	42
All races, female	197	2	2	2	3	2	11	7	6	31	17	26	22	9
White, male	394	2	-	3	7	1	13	11	6	54	56	49	40	35
White, female	180	2	2	1	3	2	10	6	6	31	15	23	19	9
Black, male	42	-	-	-	-	-	-	-	-	1	1	2	2	6
Black, female	14	-	-	1	-	-	1	1	1	-	2	2	3	-
Involving collision with another motor vehicle (E811-E812)	18,333	126	66	55	75	70	392	267	355	2,349	2,632	2,132	1,633	1,255
All races, male	11,611	66	30	32	37	34	199	138	199	1,539	1,904	1,527	1,088	833
All races, female	6,722	60	36	23	38	36	193	129	156	810	728	605	545	422
White, male	10,158	47	22	23	29	30	151	115	175	1,375	1,650	1,300	950	711
White, female	5,962	52	28	18	31	27	158	114	133	736	634	518	455	384
Black, male	1,146	16	7	8	8	4	42	23	20	119	167	170	106	106
Black, female	575	7	6	4	4	8	29	10	19	49	69	69	72	42
Involving collision with pedestrian (E814)	7,193	10	66	89	90	72	327	506	295	394	554	578	599	470
All races, male	4,987	6	37	61	57	48	209	325	186	277	435	446	463	367
All races, female	2,206	4	29	28	33	24	118	181	109	117	119	132	136	103
White, male	3,763	5	26	47	40	33	151	233	143	223	331	331	328	253
White, female	1,771	4	22	20	22	14	82	116	83	92	98	100	101	73
Black, male	1,015	1	10	11	11	14	47	81	35	41	72	98	121	99
Black, female	342	-	6	7	8	9	30	59	22	21	16	29	30	26
Involving collision with other vehicle or object (E813,E815)	7,584	22	6	8	10	17	63	184	274	1,414	1,522	1,014	739	541
All races, male	5,952	14	1	3	7	11	36	143	218	1,077	1,284	828	605	433
All races, female	1,632	8	5	5	3	6	27	41	56	337	258	186	194	108
White, male	5,087	9	1	1	7	8	26	108	182	855	1,091	725	515	380
White, female	1,425	4	5	5	2	6	22	32	46	303	223	169	110	92
Black, male	730	5	-	2	-	3	10	34	32	99	142	83	78	62
Black, female	159	4	-	-	-	-	4	7	8	24	24	11	22	13
Not involving collision on highway (E816-E818)	8,128	28	35	40	28	28	161	89	167	1,671	1,839	1,339	997	727
All races, male	6,934	13	17	21	19	15	85	46	102	1,217	1,466	1,085	807	583
All races, female	2,184	16	18	19	10	13	76	43	65	454	373	254	180	144
White, male	5,999	13	11	19	15	13	71	37	84	1,095	1,273	894	675	490
White, female	1,904	12	14	17	8	10	61	34	57	415	329	209	153	125
Black, male	717	-	6	-	4	2	12	5	14	97	140	112	107	89
Black, female	187	4	4	1	1	3	13	5	1	24	28	34	29	19
Motor vehicle traffic accident of unspecified nature (E819)	5,148	19	10	15	21	15	80	85	89	779	878	632	473	334
All races, male	3,536	12	2	2	8	10	34	33	47	523	689	480	352	250
All races, female	1,612	7	8	13	13	5	46	32	42	256	189	152	121	84
White, male	3,017	12	2	2	7	8	31	30	39	459	595	397	307	211
White, female	1,374	6	5	7	9	4	31	23	31	228	162	132	103	64
Black, male	436	-	-	-	1	2	3	3	8	47	72	67	43	31
Black, female	185	1	2	4	3	1	11	7	9	18	22	17	12	16
Motor vehicle nontraffic accidents (E820-E825)	1,054	5	73	46	23	28	173	47	54	91	115	95	56	63
All races, male	797	5	35	20	9	16	85	39	44	78	100	82	48	55
All races, female	257	-	38	26	14	10	88	8	10	13	15	13	8	8
White, male	709	4	27	13	8	14	66	38	41	74	88	74	46	45
White, female	231	-	30	21	11	9	71	8	9	11	14	13	8	7
Black, male	59	1	4	5	1	1	12	-	3	3	3	4	1	4
Black, female	12	-	4	4	1	-	9	-	-	1	-	-	-	-
Other road vehicle accidents (E826-E828)	191	1	1	-	2	2	6	14	17	19	10	15	21	15
All races, male	120	1	1	-	1	1	4	8	9	9	10	9	10	11
All races, female	71	-	-	-	1	1	2	6	8	10	-	6	11	4
White, male	108	1	1	-	1	1	4	7	7	8	9	8	8	9
White, female	70	-	-	-	1	1	2	6	8	10	-	6	10	4
Black, male	6	-	-	-	-	-	-	1	2	1	1	-	-	1
Black, female	1	-	-	-	-	-	-	-	-	-	-	-	1	-
Water transport accidents (E830-E838)	979	-	3	-	4	2	9	15	25	63	130	127	108	100
All races, male	887	-	2	-	4	1	7	10	21	55	115	118	99	82
All races, female	82	-	1	-	-	1	2	5	4	8	15	11	9	8
White, male	728	-	2	-	2	1	5	9	14	50	92	93	78	75
White, female	71	-	1	-	-	-	1	2	2	7	10	11	6	8
Black, male	122	-	-	-	1	-	1	-	6	2	17	18	11	15
Black, female	17	-	-	-	-	-	-	2	1	1	5	-	2	-

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex 1	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Transport accidents-Con.</b>														
Railway accidents (E800-E807) .....	44	90	32	18	13	12	15	8	9	6	3	-	1	5
All races, male .....	41	27	30	16	11	10	12	6	6	5	3	-	1	5
All races, female .....	3	3	2	2	2	2	3	2	3	1	-	-	-	-
White, male .....	24	19	23	12	7	6	7	6	4	4	3	-	1	4
White, female .....	3	3	-	2	2	2	3	1	3	1	-	-	-	-
Black, male .....	10	6	6	4	3	3	5	1	1	1	-	-	-	1
Black, female .....	-	-	1	-	-	-	-	1	-	-	-	-	-	-
Motor vehicle accidents (E810-E825) .....	2,706	2,041	1,784	1,712	1,708	1,741	1,688	1,573	1,289	646	173	30	7	45
All races, male .....	1,924	1,455	1,194	1,109	1,099	1,060	964	836	721	364	112	15	4	39
All races, female .....	782	586	590	603	609	681	724	735	578	282	61	16	3	6
White, male .....	1,598	1,216	990	933	930	824	736	670	324	99	30	13	4	30
White, female .....	643	499	513	522	537	616	670	678	552	265	61	14	3	5
Black, male .....	270	193	176	162	141	128	116	84	39	32	12	2	-	6
Black, female .....	100	67	59	68	55	47	38	42	22	16	-	1	-	1
Motor vehicle traffic accidents (E810-E818) .....	2,654	1,990	1,746	1,675	1,673	1,715	1,658	1,539	1,272	626	168	29	6	44
All races, male .....	1,881	1,410	1,157	1,078	1,067	1,044	949	820	708	352	110	15	3	38
All races, female .....	773	580	589	597	606	671	709	719	564	274	58	14	3	6
White, male .....	1,561	1,178	956	905	900	889	810	718	658	312	97	13	3	30
White, female .....	634	495	512	516	535	606	655	662	539	255	58	13	3	5
Black, male .....	267	188	173	150	139	125	115	84	38	30	12	2	-	5
Black, female .....	100	66	59	59	55	47	38	42	21	16	-	1	-	1
Involving collision with train (E810) .....	34	29	26	32	22	26	19	13	9	4	4	-	-	-
All races, male .....	27	22	19	20	9	20	12	9	7	2	3	-	-	-
All races, female .....	7	7	7	12	13	6	7	4	2	2	1	-	-	-
White, male .....	23	22	15	16	9	17	9	8	6	2	3	-	-	-
White, female .....	6	5	6	11	13	6	7	3	1	2	1	-	-	-
Black, male .....	3	-	4	4	-	3	3	1	1	1	-	-	-	-
Black, female .....	1	1	1	1	-	-	-	-	1	-	-	-	-	-
Involving collision with another motor vehicle (E811-E812) .....	1,036	785	733	723	743	792	820	729	608	274	64	7	1	5
All races, male .....	639	482	422	413	438	436	440	368	339	167	34	4	-	4
All races, female .....	397	303	311	310	305	356	380	363	267	107	30	3	1	1
White, male .....	556	426	369	360	383	389	396	328	322	152	34	4	-	2
White, female .....	332	265	277	270	286	327	357	343	259	102	30	3	1	1
Black, male .....	65	44	42	44	46	36	36	30	15	14	-	-	-	1
Black, female .....	44	29	27	30	14	26	19	16	6	5	-	-	-	-
Involving collision with pedestrian (E814) .....	441	330	304	318	337	354	356	393	341	186	57	12	2	29
All races, male .....	340	259	223	221	233	227	207	214	173	103	46	7	1	25
All races, female .....	101	71	81	97	104	127	149	179	168	93	11	5	1	4
White, male .....	258	192	166	170	183	174	156	170	151	87	37	6	1	19
White, female .....	82	59	67	75	79	107	128	165	162	83	11	5	1	3
Black, male .....	74	55	53	44	41	43	41	38	13	7	8	1	-	4
Black, female .....	14	12	10	15	18	8	10	9	5	7	-	-	-	1
Involving collision with other vehicle or object (E813,E815) .....	379	264	212	182	184	171	148	125	94	47	10	2	-	5
All races, male .....	310	213	158	134	134	127	102	76	66	20	4	1	-	5
All races, female .....	69	51	56	58	50	44	46	49	28	27	6	1	-	-
White, male .....	253	172	122	113	110	108	88	69	63	19	4	1	-	5
White, female .....	56	47	45	51	42	39	44	46	25	26	6	1	-	-
Black, male .....	50	38	31	20	21	14	12	3	2	1	-	-	-	-
Black, female .....	12	4	8	5	6	3	2	2	3	1	-	-	-	-
Not involving collision on highway (E816-E818) .....	508	365	269	245	224	178	131	98	72	28	12	2	2	4
All races, male .....	383	287	206	185	156	125	77	57	40	15	8	-	1	3
All races, female .....	125	78	63	60	68	53	54	41	32	13	4	2	1	1
White, male .....	323	247	178	161	133	112	67	52	38	12	7	-	1	3
White, female .....	105	63	56	54	58	49	51	36	30	12	4	1	1	1
Black, male .....	43	31	22	19	17	11	8	4	2	3	1	-	-	-
Black, female .....	13	12	5	3	8	3	3	5	2	1	-	1	-	-
Motor vehicle traffic accident of unspecified nature (E819) .....	256	217	202	165	163	194	184	181	150	77	21	6	1	1
All races, male .....	182	147	131	105	97	109	111	98	83	45	15	3	1	1
All races, female .....	74	70	71	60	66	85	73	83	67	32	6	3	-	-
White, male .....	148	119	105	85	82	89	94	81	78	40	12	2	1	1
White, female .....	53	57	61	55	57	78	68	69	63	30	6	3	-	-
Black, male .....	32	22	21	18	14	18	15	7	5	3	1	-	-	-
Black, female .....	16	8	8	5	9	7	4	10	4	2	-	-	-	-
Motor vehicle nontraffic accidents (E820-E825) .....	52	51	38	37	35	26	30	34	27	22	5	1	1	1
All races, male .....	43	45	37	31	32	16	15	18	13	12	2	-	1	1
All races, female .....	9	6	1	6	3	10	15	16	14	10	3	1	-	-
White, male .....	37	38	34	28	30	13	14	18	12	10	2	-	1	-
White, female .....	8	4	1	6	2	10	15	16	13	10	3	1	-	-
Black, male .....	3	5	3	2	2	3	1	-	1	2	-	-	-	1
Black, female .....	-	1	-	-	-	-	-	-	1	-	-	-	-	-
Other road vehicle accidents (E826-E829) .....	17	9	5	8	5	14	5	6	1	3	-	1	-	-
All races, male .....	10	5	3	4	3	11	4	5	1	3	-	1	-	-
All races, female .....	7	4	2	4	2	3	1	1	-	-	-	-	-	-
White, male .....	10	5	3	4	3	10	3	5	1	3	-	1	-	-
White, female .....	7	4	2	4	2	3	1	1	-	-	-	-	-	-
Black, male .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water transport accidents (E830-E838) .....	82	63	54	46	49	46	31	15	10	4	2	-	-	-
All races, male .....	78	60	50	43	46	42	30	14	7	2	-	-	-	-
All races, female .....	4	3	4	3	3	4	1	1	3	2	2	-	-	-
White, male .....	69	46	40	35	37	38	27	12	7	1	-	-	-	-
White, female .....	4	2	2	2	3	3	1	1	3	2	1	-	-	-
Black, male .....	9	10	8	8	7	3	3	2	-	1	-	-	-	-
Black, female .....	-	1	2	1	-	1	-	-	-	-	1	-	-	-



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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex :	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Transport accidents-Con.</b>														
Air and space transport accidents (E840-E845) .....	1,012	2	1	1	4	-	8	15	15	28	86	117	142	114
All races, male .....	858	1	-	-	3	-	4	9	12	24	76	97	128	98
All races, female .....	154	1	1	1	1	-	4	6	3	4	10	20	16	16
White, male .....	835	1	-	-	3	-	4	9	12	22	71	94	126	97
White, female .....	152	1	1	1	1	-	4	6	3	4	10	20	15	16
Black, male .....	14	-	-	-	-	-	-	-	-	1	3	1	-	-
Black, female .....	2	-	-	-	-	-	-	-	-	-	-	-	1	-
Vehicle accidents not elsewhere classifiable (E846-E848) .....	24	-	-	-	-	-	-	-	3	3	-	3	1	1
All races, male .....	19	-	-	-	-	-	-	-	3	2	-	2	-	1
All races, female .....	5	-	-	-	-	-	-	-	-	1	-	1	1	-
White, male .....	18	-	-	-	-	-	-	-	2	2	-	2	-	1
White, female .....	5	-	-	-	-	-	-	-	-	1	-	1	1	-
Black, male .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental poisoning (E850-E869) .....	6,228	17	29	19	14	5	78	21	32	181	425	871	1,198	999
All races, male .....	4,461	11	16	8	12	3	50	8	21	141	318	661	967	791
All races, female .....	1,765	6	13	5	2	2	28	13	11	60	107	210	231	208
White, male .....	3,425	9	7	3	6	1	28	6	17	116	259	522	775	578
White, female .....	1,339	2	10	4	1	1	18	7	9	36	70	150	158	137
Black, male .....	967	2	9	4	6	1	22	2	2	23	52	127	183	202
Black, female .....	397	4	3	1	1	1	10	5	2	9	32	56	74	69
Accidental poisoning by drugs, medicaments, and biologicals (E850-E858) .....	4,865	7	14	5	2	1	29	7	6	87	331	738	1,059	883
All races, male .....	3,441	6	8	4	1	1	20	1	2	61	249	562	855	701
All races, female .....	1,424	1	6	1	1	-	9	6	4	26	82	176	204	182
White, male .....	2,642	6	3	2	-	-	10	1	2	41	198	446	688	517
White, female .....	1,088	-	4	1	1	-	6	3	4	17	57	125	141	117
Black, male .....	760	1	5	2	1	1	10	-	-	18	46	107	161	177
Black, female .....	312	1	2	-	-	-	3	2	-	7	24	49	63	63
Accidental poisoning by other solid or liquid substances (E860-E866) .....	488	2	7	1	2	1	13	1	10	25	19	36	45	52
All races, male .....	370	1	4	1	2	-	8	-	10	21	13	27	37	40
All races, female .....	118	1	3	-	-	1	5	-	-	4	6	9	8	12
White, male .....	255	1	1	-	-	-	2	-	8	20	12	19	25	26
White, female .....	78	-	2	-	-	1	3	-	-	3	2	5	4	9
Black, male .....	83	-	3	1	2	-	6	1	-	1	-	6	10	11
Black, female .....	31	1	1	-	-	-	2	-	-	-	2	2	3	3
Accidental poisoning by gases and vapors (E867-E869) .....	673	8	8	7	10	3	36	13	16	79	75	97	94	84
All races, male .....	650	4	4	3	9	2	22	6	9	59	56	72	75	50
All races, female .....	223	4	4	4	1	1	14	7	7	20	19	25	19	14
White, male .....	528	3	3	1	6	1	14	5	7	55	49	57	62	35
White, female .....	163	2	4	3	-	-	9	4	5	16	11	20	11	11
Black, male .....	114	1	1	1	3	-	8	1	2	4	6	14	12	14
Black, female .....	54	2	-	1	1	1	5	3	2	2	6	5	8	2
<b>Misadventures during medical care, abnormal reactions, and late complications (E870-E879) .....</b>														
All races, male .....	2,858	36	10	7	6	7	66	13	12	12	18	30	43	53
All races, female .....	1,359	22	8	4	3	5	42	7	6	9	7	14	23	21
White, male .....	1,489	14	2	3	3	2	24	6	6	3	11	16	20	32
White, female .....	1,132	20	6	0	2	3	34	9	5	7	3	13	18	16
Black, male .....	1,235	11	2	-	2	1	16	6	4	1	9	11	14	23
Black, female .....	212	2	1	-	1	1	4	1	1	2	3	1	5	5
Black, female .....	241	2	-	3	1	1	7	-	2	2	2	5	4	9
Accidental falls (E880-E888) .....	12,096	39	24	15	17	9	104	27	31	103	219	218	277	305
All races, male .....	6,303	24	14	9	9	8	64	20	26	84	197	180	232	257
All races, female .....	5,793	15	10	8	8	1	40	7	5	19	22	28	45	48
White, male .....	5,498	17	8	7	6	8	44	16	23	65	184	181	170	206
White, female .....	5,368	11	7	3	7	-	28	6	5	18	16	16	31	30
Black, male .....	678	8	7	2	3	-	18	2	2	11	24	27	55	49
Black, female .....	339	4	2	3	1	1	11	1	-	1	4	10	13	16
Fall from one level to another (E880-E884) .....	3,317	25	20	14	12	6	77	20	19	85	171	168	171	173
All races, male .....	2,376	15	12	8	6	5	46	17	18	68	169	149	149	153
All races, female .....	941	10	8	6	6	1	31	3	1	17	12	19	22	20
White, male .....	2,010	10	5	6	4	5	30	13	15	53	135	126	116	133
White, female .....	845	8	5	3	6	-	22	3	1	14	9	11	16	13
Black, male .....	300	4	6	2	2	-	14	2	2	7	16	21	27	20
Black, female .....	76	2	2	3	-	1	8	-	-	1	1	6	6	6
Fall on same level (E885-E886) .....	433	-	-	-	-	1	1	-	4	3	7	7	3	9
All races, male .....	212	-	-	-	-	1	1	-	4	3	5	6	2	6
All races, female .....	221	-	-	-	-	-	-	-	-	-	2	1	1	3
White, male .....	204	-	-	-	-	1	1	-	4	3	5	6	2	6
White, female .....	204	-	-	-	-	-	-	-	-	-	2	-	1	-
Black, male .....	7	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female .....	16	-	-	-	-	-	-	-	-	-	-	1	-	3
<b>Fracture, cause unspecified, and other and unspecified falls (E887-E888) .....</b>														
All races, male .....	8,346	14	4	1	5	2	26	7	8	15	41	43	103	123
All races, female .....	3,715	9	2	1	3	2	17	3	4	13	33	35	81	96
White, male .....	4,631	5	2	-	2	-	9	4	4	2	8	8	22	25
White, female .....	3,284	7	1	1	2	2	13	3	4	9	24	29	52	67
Black, male .....	4,339	3	2	-	1	-	6	3	4	2	5	5	14	17
Black, female .....	371	2	1	-	-	-	4	-	-	4	8	6	28	29
Black, female .....	247	2	-	-	1	-	3	1	-	-	3	3	7	7
<b>Accidents caused by fire and flames (E890-E899) .....</b>														
All races, male .....	4,965	120	166	158	179	148	771	287	133	126	229	254	289	258
All races, female .....	3,067	62	90	101	111	93	457	150	75	88	158	171	183	186
White, male .....	1,898	58	76	57	68	55	314	137	58	38	73	83	76	72
White, female .....	2,025	36	52	56	65	46	255	79	43	66	112	138	135	142
Black, male .....	1,280	36	41	30	41	25	173	79	30	29	54	55	49	47
Black, female .....	988	24	36	41	43	45	189	69	30	19	39	30	54	43
Black, female .....	598	22	35	26	27	30	140	54	26	8	17	25	26	23

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Transport accidents—Con.</b>														
<b>Air and space transport accidents (E840-E845)</b>	139	104	85	53	57	27	13	7	-	2	-	-	-	-
All races, male	115	87	77	46	50	20	12	5	-	-	-	-	-	-
All races, female	24	17	8	7	7	7	1	2	-	2	-	-	-	-
White, male	113	84	73	43	50	20	12	5	-	-	-	-	-	-
White, female	24	16	6	7	7	7	1	2	-	2	-	-	-	-
Black, male	1	2	3	3	-	-	-	-	-	-	-	-	-	-
Black, female	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<b>Vehicle accidents not elsewhere classifiable (E846-E848)</b>	3	1	1	2	-	1	1	-	1	3	-	-	-	-
All races, male	3	1	1	2	-	1	1	-	1	1	-	-	-	-
All races, female	-	-	-	-	-	-	-	-	-	2	-	-	-	-
White, male	3	1	1	2	-	1	1	-	1	1	-	-	-	-
White, female	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Accidental poisoning (E850-E869)</b>	605	369	217	209	214	192	140	158	122	114	49	18	4	10
All races, male	442	279	142	138	119	106	70	82	84	34	16	2	1	9
All races, female	163	90	75	71	95	86	70	76	58	80	33	16	3	1
White, male	321	189	103	97	80	81	58	69	56	31	12	2	1	6
White, female	111	67	62	58	79	82	60	64	52	71	32	16	1	1
Black, male	115	77	37	37	28	24	10	12	7	3	3	-	-	3
Black, female	40	23	13	11	14	3	10	11	5	8	1	-	2	-
<b>Accidental poisoning by drugs, medicaments, and biologicals (E850-E856)</b>	483	292	152	132	119	129	99	121	87	88	36	16	4	9
All races, male	359	176	94	75	51	58	41	56	39	20	10	2	1	8
All races, female	124	76	58	57	68	71	58	65	48	68	26	14	3	1
White, male	257	125	71	51	35	48	34	49	35	19	7	2	1	5
White, female	82	59	49	47	61	68	53	55	43	60	25	14	1	1
Black, male	99	50	23	23	15	10	6	6	3	1	2	-	-	3
Black, female	31	17	9	9	6	2	5	8	4	6	1	-	2	-
<b>Accidental poisoning by other solid or liquid substances (E860-E866)</b>	48	58	34	36	43	31	16	8	8	3	1	-	-	-
All races, male	39	51	25	28	27	23	11	6	2	-	1	-	-	-
All races, female	9	7	9	8	16	8	5	3	6	3	-	-	-	-
White, male	27	33	14	18	21	14	9	5	1	3	1	-	-	-
White, female	6	3	7	6	10	7	2	3	5	3	-	-	-	-
Black, male	9	16	8	7	6	8	1	1	1	-	-	-	-	-
Black, female	2	4	2	1	5	1	3	-	1	-	-	-	-	-
<b>Accidental poisoning by gases and vapors (E867-E869)</b>	64	59	31	41	52	32	25	28	27	25	12	2	-	1
All races, male	44	52	23	35	41	25	18	20	23	14	5	-	-	1
All races, female	20	7	8	6	11	7	7	8	4	11	7	2	-	-
White, male	37	41	18	28	34	19	15	15	20	12	4	-	-	1
White, female	13	5	6	5	8	7	5	6	4	8	7	2	-	-
Black, male	7	11	5	7	5	6	3	5	3	2	1	-	-	-
Black, female	7	2	2	1	3	-	2	2	-	2	-	-	-	-
<b>Misadventures during medical care, abnormal reactions, and late complications (E870-E879)</b>	54	76	83	156	220	348	370	407	373	290	169	48	17	-
All races, male	28	39	39	87	109	178	199	197	188	111	61	11	3	-
All races, female	26	37	44	69	111	170	171	210	205	179	108	37	14	-
White, male	20	30	27	65	92	148	165	171	152	97	51	9	3	-
White, female	17	28	40	54	89	140	142	175	176	150	97	36	9	-
Black, male	7	9	12	21	17	25	33	26	15	14	9	2	-	-
Black, female	9	10	3	11	20	28	33	27	27	11	1	1	3	-
<b>Accidental falls (E880-E888)</b>	268	258	342	381	497	692	965	1,396	1,850	2,088	1,442	520	107	6
All races, male	222	213	274	295	354	437	554	698	772	755	489	139	27	6
All races, female	46	45	68	86	143	255	411	700	1,078	1,333	958	381	80	-
White, male	168	170	215	237	284	369	505	633	715	719	484	133	25	2
White, female	31	35	55	79	128	237	379	650	1,026	1,281	914	356	75	2
Black, male	52	39	55	52	53	57	40	53	40	24	17	4	2	4
Black, female	12	9	13	12	12	14	27	38	43	47	35	18	3	-
<b>Fall from one level to another (E880-E884)</b>	150	125	178	178	198	236	274	308	293	266	165	48	19	3
All races, male	127	114	150	151	166	172	187	189	156	128	60	12	2	3
All races, female	23	11	28	27	32	64	87	117	137	138	105	36	11	-
White, male	97	94	118	123	139	146	169	173	142	120	54	12	1	1
White, female	19	10	22	25	28	59	78	107	131	134	100	33	8	-
Black, male	29	17	27	25	25	22	15	10	7	7	4	-	1	2
Black, female	4	1	6	1	2	3	7	9	5	2	4	2	2	-
<b>Fall on same level (E885-E886)</b>	4	7	11	6	17	30	46	50	84	69	53	20	2	-
All races, male	3	5	7	5	12	16	21	23	45	27	17	4	-	-
All races, female	1	2	4	1	5	14	25	27	39	42	36	16	2	-
White, male	2	4	6	5	12	13	20	23	44	27	17	4	-	-
White, female	1	1	3	1	5	13	24	27	38	39	34	13	2	-
Black, male	1	1	1	-	-	2	1	-	1	-	-	-	-	-
Black, female	-	1	1	-	-	1	1	-	1	3	2	2	-	-
<b>Fracture, cause unspecified, and other and unspecified falls (E887-E888)</b>	114	126	153	197	292	426	645	1,040	1,473	1,753	1,224	452	92	3
All races, male	92	94	117	139	176	249	346	484	571	600	412	123	25	3
All races, female	22	32	36	58	105	177	289	556	902	1,153	812	329	67	-
White, male	69	72	91	109	143	210	316	437	529	572	393	117	24	1
White, female	11	24	30	47	95	165	276	516	857	1,108	780	310	64	-
Black, male	22	21	25	27	28	33	24	43	32	17	13	4	1	2
Black, female	8	7	6	11	10	10	19	29	37	42	29	14	1	-
<b>Accidents caused by fire and flames (E890-E899)</b>	215	196	197	236	295	286	312	311	279	179	67	31	2	12
All races, male	154	142	133	158	187	179	172	165	134	99	47	9	1	11
All races, female	61	54	64	78	108	107	140	146	145	80	40	22	1	1
White, male	102	92	72	105	127	124	111	113	92	74	34	6	-	3
White, female	47	40	41	54	72	81	101	112	109	64	30	13	-	-
Black, male	49	47	60	49	58	51	58	51	41	24	13	3	1	8
Black, female	14	14	22	23	36	24	39	33	35	16	10	9	1	1

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Accidents and adverse effects—Con.</b>														
Other accidents, including late effects (E900-E929)	18,920	506	368	286	207	146	1,523	528	581	1,106	1,197	1,232	1,192	1,060
All races, male	13,880	291	226	185	147	101	961	390	462	997	1,094	1,095	1,032	913
All races, female	5,040	215	142	100	60	45	562	138	119	109	103	137	160	147
White, male	11,080	184	190	165	114	78	731	279	341	788	880	861	811	708
White, female	4,152	137	121	79	32	32	421	98	79	90	77	110	115	104
Black, male	2,361	103	27	24	25	20	199	52	103	172	176	191	183	172
Black, female	778	73	18	16	5	10	122	31	32	15	22	24	37	35
Lightning (E907)	82	—	—	—	—	1	1	3	6	14	6	9	9	6
All races, male	66	—	—	—	—	—	—	2	3	11	5	9	7	5
All races, female	16	—	—	—	—	1	1	1	3	3	1	—	2	—
White, male	59	—	—	—	—	—	—	—	2	11	5	8	5	6
White, female	12	—	—	—	—	1	1	1	3	2	1	—	2	—
Black, male	6	—	—	—	—	—	—	2	1	—	—	1	2	—
Black, female	3	—	—	—	—	—	—	—	—	—	—	—	—	—
Accidental drowning and submersion (E910)	4,199	88	215	184	129	73	699	273	221	446	427	401	329	286
All races, male	3,346	51	139	130	93	55	468	194	167	403	387	357	282	252
All races, female	853	37	76	64	36	18	231	79	54	43	40	44	47	34
White, male	2,507	29	119	116	77	45	386	124	95	290	290	254	209	192
White, female	680	29	70	56	32	13	200	47	26	38	28	33	34	24
Black, male	685	22	15	12	11	8	68	57	61	96	88	81	61	44
Black, female	136	8	6	6	3	3	26	23	21	3	9	10	12	6
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	3,805	145	48	28	13	5	239	35	14	35	38	45	68	84
All races, male	1,992	89	25	15	7	1	137	18	6	20	28	32	50	55
All races, female	1,813	56	23	13	6	4	102	17	8	15	12	13	18	29
White, male	1,622	60	20	9	2	—	91	16	4	15	24	20	35	39
White, female	1,547	35	19	9	5	2	70	14	5	11	11	11	16	23
Black, male	329	28	4	4	5	1	42	2	2	5	2	11	13	15
Black, female	241	20	3	4	—	2	29	3	3	4	1	2	2	6
Accident caused by handgun (E922.0)	202	—	2	3	4	1	10	4	16	50	37	25	17	12
All races, male	172	—	1	3	4	1	5	4	12	48	34	22	14	9
All races, female	30	—	2	2	1	—	5	—	4	2	3	3	3	3
White, male	137	—	—	1	2	—	3	8	38	28	17	13	6	6
White, female	23	—	1	2	1	—	4	—	3	1	2	3	2	1
Black, male	29	—	—	—	1	1	2	1	4	8	5	3	—	3
Black, female	6	—	—	—	—	—	—	—	1	1	1	—	1	2
Accidents caused by all other and unspecified firearms (E922.1-E922.8)	1,289	—	7	9	7	8	31	47	189	216	169	117	105	101
All races, male	1,132	—	5	8	5	5	23	41	143	202	153	98	91	83
All races, female	167	—	2	1	2	3	8	6	26	14	10	19	14	18
White, male	904	—	5	5	3	4	17	29	115	156	118	70	75	65
White, female	124	—	1	1	1	1	4	4	19	10	8	16	8	14
Black, male	184	—	—	3	2	1	6	10	24	40	27	24	14	17
Black, female	37	—	1	—	—	2	3	2	7	4	4	2	5	3
Accident caused by explosive material (E923)	183	—	1	1	—	—	2	2	6	20	14	16	25	22
All races, male	172	—	1	1	—	—	2	2	4	20	13	15	22	22
All races, female	21	—	—	—	—	—	—	—	2	—	1	1	3	—
White, male	151	—	1	1	—	—	2	2	4	19	11	15	16	20
White, female	18	—	—	—	—	—	—	—	2	—	1	1	2	—
Black, male	19	—	—	—	—	—	—	—	—	1	2	—	6	1
Black, female	3	—	—	—	—	—	—	—	—	—	—	—	1	—
Accident caused by hot substance or object, caustic or corrosive material, steam, and exposure to radiation (E924,E926)	122	7	10	2	2	2	23	1	—	—	2	2	3	1
All races, male	65	5	4	—	—	2	11	—	—	—	2	2	3	1
All races, female	57	2	6	2	2	—	12	1	—	—	—	—	—	—
White, male	51	2	2	—	—	2	6	—	—	—	1	1	3	1
White, female	41	1	4	—	1	—	6	1	—	—	—	—	—	—
Black, male	13	3	2	—	—	—	5	—	—	—	1	—	—	—
Black, female	15	—	2	2	1	—	5	—	—	—	—	—	—	—
Accident caused by electric current (E925)	714	4	4	8	2	3	21	14	19	48	102	115	104	74
All races, male	673	3	2	5	2	1	13	12	19	44	99	113	97	71
All races, female	41	1	2	3	—	2	8	2	—	4	3	2	7	3
White, male	620	3	2	3	2	1	11	9	17	43	94	108	89	64
White, female	36	1	2	2	—	2	7	2	—	3	3	1	6	3
Black, male	45	—	—	—	—	—	—	3	2	—	4	3	8	7
Black, female	5	—	—	1	—	—	1	—	—	1	—	1	1	—
All other accidents and late effects of accidental injury (E900-E906,E908-E909, E913-E921,E927-E929)	8,304	262	81	51	50	53	497	149	130	277	408	502	532	474
All races, male	6,262	143	50	36	37	36	302	117	108	249	375	447	466	414
All races, female	2,042	119	31	15	13	17	195	32	22	28	33	55	68	80
White, male	5,029	90	41	30	28	26	215	96	96	216	319	368	368	315
White, female	1,671	71	24	8	12	13	129	29	21	25	25	45	45	39
Black, male	1,041	50	6	5	6	9	76	17	9	22	47	67	89	85
Black, female	332	45	6	3	1	3	58	3	—	2	7	9	15	18
Drugs, medicaments, and biological substances causing adverse effects in therapeutic use (E930-E949)	180	—	3	—	—	—	3	1	1	2	4	9	11	19
All races, male	85	—	3	—	—	—	3	1	—	1	3	7	5	14
All races, female	85	—	—	—	—	—	—	—	1	1	1	2	6	5
White, male	77	—	3	—	—	—	3	1	—	1	3	6	2	8
White, female	73	—	—	—	—	—	—	—	1	1	1	2	4	5
Black, male	15	—	—	—	—	—	—	—	—	—	—	1	3	6
Black, female	12	—	—	—	—	—	—	—	—	—	—	—	2	—
Suicide (E950-E959)	30,407	—	—	—	—	—	—	6	237	2,059	2,870	3,355	3,355	2,909
All races, male	24,078	—	—	—	—	—	—	5	178	1,668	2,475	2,779	2,684	2,279
All races, female	6,329	—	—	—	—	—	—	1	61	391	395	576	671	630
White, male	21,980	—	—	—	—	—	—	5	146	1,473	2,145	2,438	2,308	2,048
White, female	5,810	—	—	—	—	—	—	1	49	346	344	502	596	578
Black, male	1,648	—	—	—	—	—	—	—	17	136	258	270	304	190
Black, female	374	—	—	—	—	—	—	—	12	31	40	55	56	36

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Accidents and adverse effects-Con.</b>														
Other accidents, including late effects (E900-E929)	988	802	746	799	954	1,012	1,029	1,125	1,168	992	607	196	29	54
All races, male	843	673	594	652	726	715	655	646	608	448	248	69	8	51
All races, female	145	129	152	147	228	297	374	479	560	544	359	127	21	3
White, male	659	527	457	526	573	595	538	543	530	399	223	59	6	47
White, female	109	100	124	125	194	245	301	415	495	482	338	109	19	2
Black, male	146	128	123	107	127	101	100	88	62	43	23	8	2	4
Black, female	32	27	25	18	30	48	69	61	56	55	19	17	2	1
Lightning (E907)	9	5	3	2	4	3	1	1	-	-	-	-	-	-
All races, male	8	4	2	2	3	2	1	1	-	-	-	-	-	-
All races, female	1	1	1	-	1	1	-	-	-	-	-	-	-	-
White, male	8	4	1	2	3	2	1	1	-	-	-	-	-	-
White, female	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Black, male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, female	-	1	-	-	1	1	-	-	-	-	-	-	-	-
Accidental drowning and submersion (E910)	203	138	105	104	117	88	95	102	61	53	17	5	1	28
All races, male	171	116	85	82	86	62	63	66	42	25	9	3	-	26
All races, female	32	22	20	22	31	26	36	36	19	28	8	2	1	2
White, male	126	86	67	71	72	50	53	56	36	23	9	3	-	25
White, female	26	19	18	21	27	22	27	34	18	26	7	2	1	2
Black, male	38	26	17	10	9	9	8	3	6	2	-	-	-	1
Black, female	5	2	2	1	4	3	5	1	1	1	1	-	-	-
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	88	108	123	136	231	310	368	435	513	458	341	114	20	2
All races, male	59	69	78	83	151	190	202	219	233	189	128	41	5	2
All races, female	30	39	45	53	80	120	166	216	280	269	213	73	15	-
White, male	43	54	64	60	118	154	164	179	207	174	120	34	5	2
White, female	24	30	32	46	66	98	130	193	249	236	204	65	13	-
Black, male	13	14	13	22	25	34	32	36	21	14	7	6	-	-
Black, female	5	8	12	7	11	20	36	23	25	27	7	8	2	-
Accident caused by handgun (E922.0)	12	3	4	-	2	3	3	1	1	2	-	-	-	-
All races, male	9	2	4	-	1	3	3	-	1	2	-	-	-	-
All races, female	3	1	-	-	1	-	-	1	-	1	-	-	-	-
White, male	8	2	3	-	1	3	2	-	1	1	-	-	-	-
White, female	3	1	-	-	1	-	-	1	-	1	-	-	-	-
Black, male	1	-	1	-	-	-	1	-	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidents caused by all other and unspecified firearms (E922.1-E922.9)	88	52	45	35	39	39	17	20	12	9	-	-	-	1
All races, male	72	47	40	31	25	35	15	16	10	6	-	-	-	1
All races, female	16	5	5	4	8	3	2	4	2	3	-	-	-	-
White, male	60	41	33	29	22	32	13	12	10	6	-	-	-	1
White, female	10	5	4	3	6	3	2	3	2	3	-	-	-	-
Black, male	8	4	7	2	3	2	2	4	3	-	-	-	-	-
Black, female	6	-	-	-	-	-	-	1	-	-	-	-	-	-
Accident caused by explosive material (E923)	21	16	15	5	8	2	7	6	4	2	-	-	-	-
All races, male	19	15	12	2	7	1	6	5	4	1	-	-	-	-
All races, female	2	1	3	3	1	1	1	1	-	1	-	-	-	-
White, male	17	14	10	2	7	-	5	4	3	-	-	-	-	-
White, female	2	1	3	2	1	1	1	1	-	-	-	-	-	-
Black, male	2	1	1	-	-	1	1	1	1	1	-	-	-	-
Black, female	-	-	-	1	-	-	-	-	-	1	-	-	-	-
Accident caused by hot substance or object, caustic or corrosive material, steam, and exposure to radiation (E924,E925)	6	2	5	3	8	8	8	8	12	17	9	4	-	-
All races, male	5	2	4	2	6	4	4	2	5	7	3	1	-	-
All races, female	1	-	1	1	2	4	4	6	6	10	6	3	-	-
White, male	5	2	2	2	5	3	3	2	6	5	3	1	-	-
White, female	1	-	1	1	2	2	4	5	6	6	5	1	-	-
Black, male	-	-	2	-	1	1	1	-	1	1	-	-	-	-
Black, female	-	-	-	-	-	2	-	1	-	4	1	2	-	-
Accident caused by electric current (E925)	74	37	27	26	22	11	8	4	7	1	-	-	-	-
All races, male	73	37	25	25	20	10	6	3	6	-	-	-	-	-
All races, female	1	-	2	1	2	1	2	1	1	1	-	-	-	-
White, male	68	34	20	25	16	10	4	2	6	-	-	-	-	-
White, female	1	-	2	-	2	1	2	1	1	1	-	-	-	-
Black, male	4	3	4	-	4	-	2	1	-	-	-	-	-	-
Black, female	-	-	-	1	-	-	-	-	-	-	-	-	-	-
All other accidents and late effects of accidental injury (E900-E906,E908-E909, E913-E921,E927-E928)	487	441	419	488	529	549	522	548	558	450	240	73	8	23
All races, male	428	381	344	425	427	408	355	334	306	219	108	24	3	22
All races, female	59	60	75	63	102	141	167	214	252	231	132	49	5	1
White, male	324	290	257	335	329	341	293	287	261	189	91	21	1	19
White, female	41	44	69	52	87	116	195	177	219	209	122	41	5	-
Black, male	80	80	78	73	85	54	53	44	34	25	16	2	2	3
Black, female	16	16	11	8	14	22	28	35	30	22	10	7	-	1
Drugs, medications, and biological substances causing adverse effects in therapeutic use (E930-E949)	14	11	8	19	12	15	16	13	14	5	2	1	-	-
All races, male	8	4	2	7	8	8	9	8	6	1	-	-	-	-
All races, female	6	7	6	12	4	7	7	5	8	4	2	1	-	-
White, male	7	4	1	6	6	6	8	8	5	1	-	-	-	-
White, female	4	6	5	10	4	6	7	5	5	4	2	1	-	-
Black, male	1	-	1	1	1	-	-	-	1	-	-	-	-	-
Black, female	2	1	1	2	-	1	-	-	3	-	-	-	-	-
Suicide (E950-E959)	2,296	1,698	1,634	1,720	1,686	1,718	1,578	1,447	1,015	421	150	34	-	19
All races, male	1,696	1,341	1,212	1,294	1,282	1,361	1,261	1,199	851	350	119	29	-	17
All races, female	600	557	422	426	404	357	317	248	164	71	31	5	-	2
White, male	1,581	1,244	1,130	1,222	1,228	1,298	1,221	1,157	834	339	118	29	-	16
White, female	543	517	394	406	390	340	304	244	153	67	30	5	-	1
Black, male	95	74	60	55	48	52	39	34	14	7	2	-	-	1
Black, female	36	32	22	15	14	13	5	4	2	-	-	-	-	1

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
<b>Suicide-Con.</b>														
Suicide by drugs, medicaments, and biologicals (E950.0-E950.9)	2,910	...	...	...	...	...	...	-	16	197	165	283	375	397
All races, male	1,267	...	...	...	...	...	...	-	5	48	92	153	197	212
All races, female	1,643	...	...	...	...	...	...	-	11	89	99	190	178	185
White, male	1,172	...	...	...	...	...	...	-	5	47	82	139	179	190
White, female	1,522	...	...	...	...	...	...	-	8	75	78	114	159	175
Black, male	71	...	...	...	...	...	...	-	-	-	7	10	14	18
Black, female	96	...	...	...	...	...	...	-	3	9	13	14	14	8
Suicide by other solid or liquid substances (E950.6-E950.8)	223	...	...	...	...	...	...	-	-	10	16	24	32	22
All races, male	157	...	...	...	...	...	...	-	-	9	13	24	20	18
All races, female	66	...	...	...	...	...	...	-	-	1	3	-	12	4
White, male	139	...	...	...	...	...	...	-	-	9	9	23	16	14
White, female	61	...	...	...	...	...	...	-	-	-	3	-	9	4
Black, male	12	...	...	...	...	...	...	-	-	-	4	1	1	3
Black, female	3	...	...	...	...	...	...	-	-	-	-	-	3	-
Suicide by gases and vapors (E951-E952)	2,692	...	...	...	...	...	...	-	5	183	202	276	314	330
All races, male	1,979	...	...	...	...	...	...	-	1	130	165	226	246	253
All races, female	713	...	...	...	...	...	...	-	4	53	37	50	68	77
White, male	1,930	...	...	...	...	...	...	-	-	128	161	220	238	230
White, female	693	...	...	...	...	...	...	-	2	50	38	50	65	74
Black, male	38	...	...	...	...	...	...	-	-	-	4	4	6	12
Black, female	14	...	...	...	...	...	...	-	2	2	1	-	2	1
Suicide by hanging, strangulation, and suffocation (E953)	4,375	...	...	...	...	...	...	5	85	398	549	616	596	420
All races, male	3,588	...	...	...	...	...	...	4	69	343	507	538	517	387
All races, female	787	...	...	...	...	...	...	1	16	55	42	78	69	53
White, male	3,115	...	...	...	...	...	...	4	53	289	427	450	429	308
White, female	692	...	...	...	...	...	...	1	14	45	30	63	59	45
Black, male	346	...	...	...	...	...	...	-	8	36	80	70	72	46
Black, female	30	...	...	...	...	...	...	-	2	6	-	3	6	4
Suicide by handgun (E955.0)	3,197	...	...	...	...	...	...	-	29	198	247	321	295	268
All races, male	2,650	...	...	...	...	...	...	-	19	165	209	265	242	207
All races, female	547	...	...	...	...	...	...	-	4	33	38	56	53	61
White, male	2,449	...	...	...	...	...	...	-	16	146	187	226	212	190
White, female	513	...	...	...	...	...	...	-	4	29	34	49	46	57
Black, male	151	...	...	...	...	...	...	-	2	13	17	25	23	15
Black, female	25	...	...	...	...	...	...	-	-	4	3	5	3	3
Suicide by all other and unspecified firearms (E955.1-E955.4)	14,972	...	...	...	...	...	...	1	102	1,063	1,507	1,597	1,493	1,276
All races, male	13,006	...	...	...	...	...	...	1	78	918	1,366	1,389	1,260	1,074
All races, female	1,966	...	...	...	...	...	...	-	24	145	141	208	233	202
White, male	11,957	...	...	...	...	...	...	1	68	808	1,183	1,244	1,084	981
White, female	1,806	...	...	...	...	...	...	-	19	134	120	190	212	182
Black, male	864	...	...	...	...	...	...	-	7	82	149	119	149	78
Black, female	142	...	...	...	...	...	...	-	5	9	18	18	18	15
Suicide by all other means and late effects of self-inflicted injury (E954,E955.5-E959)	2,038	...	...	...	...	...	...	-	6	70	164	238	260	196
All races, male	1,431	...	...	...	...	...	...	-	4	55	123	184	202	148
All races, female	607	...	...	...	...	...	...	-	2	15	41	54	58	48
White, male	1,219	...	...	...	...	...	...	-	4	46	96	138	150	128
White, female	523	...	...	...	...	...	...	-	2	19	35	56	46	41
Black, male	166	...	...	...	...	...	...	-	-	5	23	41	40	19
Black, female	64	...	...	...	...	...	...	-	-	1	5	15	10	6
Homicide and legal intervention (E960-E978)	22,032	315	150	106	76	49	696	179	280	2,135	3,636	3,834	3,158	2,273
All races, male	16,712	151	87	56	46	28	968	98	170	1,743	2,925	2,957	2,440	1,790
All races, female	5,320	164	63	50	30	21	328	81	110	392	711	877	718	483
White, male	7,994	89	55	35	24	17	220	56	88	606	1,178	1,302	1,144	862
White, female	3,072	91	38	22	17	13	181	52	53	218	371	435	368	279
Black, male	8,314	58	31	20	22	11	142	38	76	1,089	1,673	1,594	1,233	887
Black, female	2,089	69	25	25	11	7	137	26	56	159	326	415	325	187
Assault by handgun (E965.0)	1,055	3	1	3	4	1	12	14	16	85	180	188	151	129
All races, male	613	1	1	2	2	1	7	7	10	71	162	148	129	98
All races, female	242	2	-	1	2	-	5	7	6	14	28	40	28	31
White, male	415	1	1	2	1	-	5	5	6	29	71	67	64	51
White, female	163	2	-	1	1	-	4	3	2	6	20	27	17	21
Black, male	380	-	-	1	1	1	2	2	4	41	66	78	58	48
Black, female	68	-	-	-	-	-	-	3	4	8	7	12	10	8
Assault by all other and unspecified firearms (E965.1-E965.4)	12,590	6	10	8	11	12	47	57	166	1,556	2,368	2,419	1,872	1,329
All races, male	10,321	4	7	2	7	7	27	32	114	1,369	2,046	1,989	1,545	1,079
All races, female	2,269	2	3	6	4	5	20	26	52	187	322	420	327	250
White, male	4,599	2	3	2	4	4	15	15	52	424	738	849	699	520
White, female	1,298	-	3	1	3	3	10	17	23	91	160	205	173	134
Black, male	5,513	2	4	-	3	3	12	14	56	914	1,266	1,123	812	537
Black, female	914	2	-	4	1	2	9	7	28	92	159	189	144	106
Assault by cutting and piercing instrument (E966)	3,939	9	-	5	3	4	21	17	35	288	632	729	604	419
All races, male	2,946	3	-	3	3	1	10	10	21	220	483	537	446	339
All races, female	893	6	-	2	-	3	11	7	14	69	149	182	158	80
White, male	1,370	1	-	2	1	-	4	7	11	108	228	222	202	135
White, female	520	4	-	2	-	3	9	6	9	98	79	84	64	47
Black, male	1,503	2	-	1	2	1	6	3	9	98	244	298	239	195
Black, female	442	2	-	-	-	-	2	1	5	30	67	103	87	32
Assault by all other means and late effects of injury purposely inflicted by other person (E960-E964,E965.5-E965.9,E967-E969)	4,200	297	139	80	58	32	616	91	62	189	409	447	478	358
All races, male	2,392	143	79	49	34	19	324	49	24	67	199	225	275	237
All races, female	1,808	154	60	41	24	13	292	42	38	122	210	222	203	121
White, male	1,453	85	51	29	18	13	196	29	16	37	121	130	154	128
White, female	1,084	85	35	18	13	7	158	26	19	85	110	116	112	77
Black, male	843	54	27	19	16	6	122	19	7	27	64	63	103	100
Black, female	664	65	25	21	10	5	126	15	19	31	93	101	84	40

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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex *	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Suicide-Con.</b>														
Suicide by drugs, medicaments, and biologicals (E950.0-E950.5)	339	266	180	174	155	125	113	74	55	25	8	3	-	-
All races, male	138	112	69	55	49	50	35	16	28	8	4	1	-	-
All races, female	201	154	111	119	106	75	78	58	32	17	4	2	-	-
White, male	129	105	61	54	48	48	35	14	23	8	4	1	-	-
White, female	161	145	105	115	104	74	77	57	32	17	4	2	-	-
Black, male	9	5	5	-	-	2	-	1	-	-	-	-	-	-
Black, female	14	9	5	3	2	1	-	1	-	-	-	-	-	-
Suicide by other solid or liquid substances (E950.6-E950.9)	15	15	10	16	15	15	7	10	12	1	1	-	-	-
All races, male	13	9	5	12	11	8	9	4	6	1	1	-	-	-
All races, female	2	6	5	6	4	7	4	6	6	-	-	-	-	-
White, male	12	8	5	11	10	8	3	3	6	1	1	-	-	-
White, female	2	6	5	6	4	7	4	6	5	-	-	-	-	-
Black, male	1	1	-	-	-	-	-	1	-	-	-	-	-	-
Black, female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Suicide by gases and vapors (E951-E952)	284	230	175	179	136	104	92	103	60	30	6	1	-	2
All races, male	184	155	115	121	87	74	68	78	45	25	5	1	-	2
All races, female	80	75	60	58	49	30	24	27	15	5	1	-	-	-
White, male	181	154	111	117	87	72	68	76	45	25	5	1	-	2
White, female	76	73	59	58	49	29	24	27	15	5	1	-	-	-
Black, male	3	1	2	4	-	2	-	-	-	-	-	-	-	-
Black, female	3	1	1	-	-	1	-	-	-	-	-	-	-	-
Suicide by hanging, strangulation, and suffocation (E953)	263	199	164	171	167	194	145	169	128	78	37	8	-	4
All races, male	216	135	124	134	127	123	93	124	80	56	20	8	-	3
All races, female	47	53	40	37	40	71	52	45	48	22	17	-	-	1
White, male	188	120	109	125	120	117	89	119	75	53	19	8	-	3
White, female	38	47	35	37	40	65	46	44	41	18	16	-	-	-
Black, male	10	11	11	5	5	4	1	3	3	1	-	-	-	-
Black, female	1	2	1	-	-	3	-	-	-	-	-	-	-	1
Suicide by handgun (E955.0)	249	199	171	189	184	212	223	184	135	68	13	6	-	2
All races, male	196	158	133	154	158	176	197	162	123	65	13	6	-	2
All races, female	53	41	38	35	36	36	26	22	12	3	-	-	-	-
White, male	176	146	124	148	153	173	180	157	121	63	13	6	-	2
White, female	50	41	36	33	35	36	26	22	12	3	-	-	-	-
Black, male	15	10	5	5	5	2	7	5	1	1	-	-	-	-
Black, female	2	-	2	2	1	-	-	-	-	-	-	-	-	-
Suicide by all other and unspecified firearms (E955.1-E955.4)	1,015	872	832	889	818	932	874	807	550	180	68	12	-	4
All races, male	842	700	698	741	783	843	785	750	526	185	63	10	-	4
All races, female	173	172	134	128	125	89	89	57	24	15	5	2	-	-
White, male	785	653	658	705	751	800	760	723	516	160	63	10	-	4
White, female	161	155	125	120	119	82	85	58	24	15	5	2	-	-
Black, male	51	37	33	33	34	38	24	23	10	4	-	-	-	-
Black, female	11	16	8	6	6	7	4	1	-	-	-	-	-	-
Suicide by all other means and late effects of self-inflicted injury (E954, E955.5-E959)	151	128	102	120	101	136	124	100	75	39	17	4	-	7
All races, male	107	72	68	77	57	87	80	67	48	30	13	3	-	6
All races, female	44	56	34	43	44	49	44	33	27	9	4	1	-	1
White, male	100	58	62	68	53	80	76	65	48	29	13	3	-	5
White, female	35	50	29	37	39	47	42	32	24	9	4	1	-	1
Black, male	6	9	4	9	4	4	1	1	1	1	-	-	-	1
Black, female	5	4	5	4	5	1	1	2	-	-	-	-	-	-
Homicide and legal intervention (E960-E978)	1,581	1,022	705	624	508	429	331	265	188	87	33	7	2	81
All races, male	1,222	804	533	469	372	270	198	150	77	44	11	3	2	66
All races, female	339	218	172	155	134	158	133	115	91	53	22	4	-	25
White, male	699	460	322	307	237	160	130	89	49	30	6	2	-	49
White, female	211	154	112	102	100	110	94	97	62	36	18	3	-	16
Black, male	488	331	187	150	132	107	66	58	25	14	5	1	2	16
Black, female	115	55	54	50	30	43	37	18	27	15	4	1	-	9
Assault by handgun (E965.0)	76	49	24	37	27	22	14	12	3	4	-	-	-	2
All races, male	82	33	18	26	18	15	7	5	2	2	-	-	-	1
All races, female	14	16	6	11	11	7	7	7	1	2	-	-	-	1
White, male	36	22	13	18	9	10	2	3	1	2	-	-	-	1
White, female	10	11	4	9	8	5	6	7	1	1	-	-	-	1
Black, male	24	10	5	7	7	5	4	2	1	-	-	-	-	-
Black, female	4	5	2	2	2	1	1	-	-	1	-	-	-	-
Assault by all other and unspecified firearms (E965.1-E965.4)	890	560	378	282	232	155	105	71	39	22	2	2	-	38
All races, male	703	455	285	227	164	101	62	45	22	12	1	1	-	32
All races, female	187	105	93	55	68	54	43	26	17	10	1	1	-	6
White, male	409	270	182	157	102	53	46	21	16	9	-	1	-	21
White, female	117	84	62	38	53	44	34	23	16	9	1	-	-	4
Black, male	278	178	92	66	61	47	16	22	5	3	1	-	-	10
Black, female	67	19	27	16	15	9	9	3	1	1	-	1	-	2
Assault by cutting and piercing instrument (E966)	310	195	147	120	112	104	82	53	38	16	3	-	-	15
All races, male	249	156	109	86	89	67	55	31	17	8	1	-	-	12
All races, female	61	39	38	34	23	37	27	22	19	8	2	-	-	3
White, male	118	67	53	50	53	32	33	20	11	5	1	-	-	10
White, female	31	19	23	20	15	26	17	17	9	5	2	-	-	2
Black, male	125	89	49	34	36	34	21	11	6	3	-	-	-	2
Black, female	24	17	13	14	7	11	10	5	10	3	-	-	-	1
Assault by all other means and late effects of injury purposely inflicted by other person (E960-E964, E965.5-E965.9, E967-E969)	272	206	144	178	130	147	130	128	90	54	28	5	2	35
All races, male	195	148	100	123	98	86	74	69	36	21	9	2	2	20
All races, female	77	58	35	55	32	61	56	60	54	33	19	3	-	15
White, male	124	83	64	78	69	64	49	45	21	13	5	1	-	16
White, female	53	40	23	35	24	35	37	50	36	21	15	3	-	9
Black, male	60	51	39	40	27	21	25	23	13	8	1	1	2	4
Black, female	20	14	12	18	6	22	17	10	16	10	4	-	-	6



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Table 1-26. Deaths From 282 Selected Causes, by 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix.]

Cause of death, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
<b>Homicide and legal intervention-Con.</b>														
Legal execution (E978) .....	-	-	1	-	-	-	-	-	-	-	-	-	-	-
All races, male .....	-	-	1	-	-	-	-	-	-	-	-	-	-	-
All races, female .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, female .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male .....	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Black, female .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other legal intervention and late effects of injury due to legal intervention (E970-E977) .....	13	12	11	7	5	1	-	-	-	1	-	-	-	1
All races, male .....	13	12	11	7	5	1	-	-	-	1	-	-	-	1
All races, female .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male .....	12	8	10	4	4	1	-	-	-	1	-	-	-	1
White, female .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male .....	1	3	1	3	1	-	-	-	-	-	-	-	-	-
Black, female .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Injury undetermined whether accidentally or purposely inflicted (E880-E889) .....	246	164	123	103	102	94	86	55	48	32	21	6	1	24
All races, male .....	174	124	85	68	69	58	55	36	30	16	8	2	1	20
All races, female .....	72	40	38	35	33	36	41	19	18	16	13	4	-	4
White, male .....	131	81	68	47	55	44	50	31	27	19	8	2	1	16
White, female .....	55	35	35	30	27	29	36	18	14	15	12	3	-	1
Black, male .....	41	32	17	18	12	14	4	5	2	3	-	-	-	3
Black, female .....	15	4	3	4	5	7	5	-	4	1	1	-	-	3
From poisoning by drugs, medications, and biologicals (E890.0-E890.6) .....	127	70	44	29	33	14	13	5	3	7	5	1	-	1
All races, male .....	85	44	23	4	16	3	5	2	1	1	-	-	-	-
All races, female .....	42	26	21	19	17	11	8	3	2	6	5	1	-	1
White, male .....	64	34	15	3	13	3	5	2	1	1	-	-	-	-
White, female .....	30	23	20	18	16	10	8	3	2	6	5	1	-	-
Black, male .....	21	10	8	1	3	-	-	-	-	-	-	-	-	-
Black, female .....	12	2	1	1	1	1	-	-	-	-	-	-	-	1
From poisoning by other solid or liquid substances (E890.6-E890.9) .....	4	1	2	3	1	2	5	2	1	-	-	-	-	-
All races, male .....	4	-	2	3	1	2	2	2	1	-	-	-	-	-
All races, female .....	-	1	-	-	-	-	-	-	-	-	-	-	-	-
White, male .....	4	-	1	3	-	2	2	2	1	-	-	-	-	-
White, female .....	-	-	1	-	-	-	3	-	-	-	-	-	-	-
Black, male .....	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Black, female .....	-	1	-	-	-	-	-	-	-	-	-	-	-	-
From injury by handgun (E985.0) .....	3	2	5	2	2	1	3	-	-	-	-	-	-	-
All races, male .....	3	1	3	2	1	-	1	-	-	-	-	-	-	-
All races, female .....	-	1	2	-	1	1	2	-	-	-	-	-	-	-
White, male .....	3	1	3	1	1	1	1	-	-	-	-	-	-	-
White, female .....	-	1	2	-	1	1	1	-	-	-	-	-	-	-
Black, male .....	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Black, female .....	-	-	-	-	-	-	1	-	-	-	-	-	-	-
From injury by all other and unspecified firearms (E985.1-E985.4) .....	24	12	14	10	15	11	17	12	9	3	1	-	-	3
All races, male .....	14	11	12	9	14	9	15	10	8	2	1	-	-	2
All races, female .....	10	1	2	1	1	2	2	2	1	1	-	-	-	1
White, male .....	11	9	11	8	12	7	14	10	8	2	1	-	-	1
White, female .....	10	1	2	1	1	2	2	2	1	-	-	-	-	1
Black, male .....	2	2	1	-	1	2	1	-	-	-	-	-	-	1
Black, female .....	-	-	-	-	-	-	-	-	1	-	-	-	-	-
From injury by all other means and late effects of injury, undetermined whether accidentally or purposely inflicted (E901-E904, E985.5-E989) .....	88	79	58	65	51	66	58	36	35	22	15	5	1	20
All races, male .....	68	68	45	50	37	44	32	22	20	19	7	2	1	18
All races, female .....	20	11	13	15	14	22	26	14	15	9	8	3	-	2
White, male .....	49	47	38	32	29	32	28	17	17	10	7	2	1	15
White, female .....	15	10	11	11	9	16	22	13	11	9	7	2	-	-
Black, male .....	18	20	7	16	7	12	3	5	2	3	-	-	-	2
Black, female .....	3	1	2	3	4	6	4	-	4	-	1	1	-	2
Injury resulting from operations of war (E890-E899) .....	3	1	-	1	-	4	3	1	-	1	-	-	-	-
All races, male .....	3	1	-	1	-	4	3	1	-	1	-	-	-	-
All races, female .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White, male .....	3	-	-	1	-	4	3	1	-	1	-	-	-	-
White, female .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black, male .....	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Black, female .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 Totals for causes of death include races other than white and black.



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Table 1-27. Number and Percent of Deaths for Which Autopsies Were Reported, by 10-Year Age Groups, Race, and Sex: United States, 1988

Race and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
Number													
All races	251,085	17,758	3,780	3,959	21,967	31,717	30,757	26,795	35,738	40,441	28,084	9,728	361
Male	169,577	10,247	2,151	2,451	16,801	23,774	22,759	19,120	24,923	26,698	15,919	4,455	279
Female	81,518	7,511	1,629	1,508	5,166	7,943	7,998	7,675	10,815	13,743	12,175	5,273	82
White	196,298	11,956	2,636	2,763	15,539	22,027	22,011	20,614	29,801	35,193	24,968	8,746	264
Male	132,032	7,053	1,504	1,723	11,753	16,621	16,412	14,774	20,715	23,261	14,042	3,966	208
Female	64,266	4,903	1,132	1,039	3,786	5,406	5,599	5,840	9,086	11,932	10,916	4,780	56
All other	54,797	5,802	1,144	1,206	6,428	9,690	8,746	6,181	6,137	5,248	3,136	982	97
Male	37,545	3,194	647	728	5,048	7,159	6,347	4,348	4,208	3,437	1,877	469	71
Female	17,252	2,608	497	478	1,380	2,537	2,399	1,835	1,929	1,811	1,259	493	28
Black	49,490	5,256	1,027	1,046	5,730	8,886	8,061	5,615	5,481	4,693	2,710	828	89
Male	33,914	2,889	589	629	4,516	6,570	5,671	3,851	3,783	3,071	1,590	391	64
Female	15,518	2,367	438	417	1,214	2,316	2,180	1,664	1,706	1,622	1,120	435	25
Percent													
All races	11.6	45.6	50.9	44.4	57.6	53.8	39.7	22.8	19.2	8.3	4.7	2.1	61.5
Male	15.1	48.6	51.0	44.7	58.9	55.3	43.4	25.9	15.1	9.4	5.4	2.9	68.9
Female	7.8	44.4	50.8	43.8	63.6	49.2	32.0	17.6	10.4	6.7	4.0	1.7	48.2
White	10.5	46.1	49.0	41.4	53.5	51.8	38.8	22.5	13.2	8.2	4.6	2.1	62.0
Male	13.7	47.4	48.9	41.6	54.4	53.0	42.4	25.6	14.9	9.3	5.3	2.9	66.7
Female	7.1	44.4	49.1	40.9	51.0	48.9	31.1	17.4	10.4	6.7	3.9	1.7	49.1
All other	18.8	44.7	55.8	53.1	70.4	58.4	42.3	23.7	13.6	8.5	5.2	2.9	60.2
Male	23.4	44.8	56.4	54.2	73.1	61.5	48.3	27.0	16.0	10.0	6.5	3.9	67.8
Female	13.2	44.5	55.2	51.5	62.2	51.1	34.3	18.5	10.3	6.5	4.1	2.3	48.4
Black	18.7	44.4	57.8	63.8	71.8	58.6	42.4	23.8	13.3	8.3	5.0	2.7	60.5
Male	23.5	44.4	58.0	64.8	74.6	61.7	46.4	26.9	15.8	9.9	6.2	3.6	66.7
Female	13.0	44.4	57.0	62.7	69.3	51.3	34.3	18.6	10.0	6.4	3.9	2.2	49.0

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Table 1-28. Deaths From 72 Selected Causes, by Number and Percent for Which Autopsies Were Reported and Sex: United States, 1988

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	Total deaths			Reported autopsies					
	Both sexes	Male	Female	Both sexes		Male		Female	
				Number	Percent	Number	Percent	Number	Percent
All causes	2,167,999	1,125,540	1,042,459	251,095	11.6	169,577	15.1	81,518	7.8
Shigellosis and amebiasis (004.005)	15	5	10	0	60.0	5	100.0	4	40.0
Certain other intestinal infections (007-009)	305	133	172	73	23.9	38	28.6	35	20.3
Tuberculosis (010-018)	1,921	1,221	700	347	18.1	233	19.1	114	16.3
Tuberculosis of respiratory system (010-012)	1,488	986	502	244	16.4	178	18.1	66	13.1
Other tuberculosis (013-018)	433	235	198	103	23.6	55	23.4	48	24.2
Whooping cough (033)	4	2	2	3	75.0	1	50.0	2	100.0
Streptococcal sore throat, scarlatina, and erysipelas (034-035)	13	6	7	3	23.1	2	33.3	1	14.3
Meningococcal infection (036)	278	143	135	142	51.1	73	51.0	69	51.1
Septicemia (036)	20,925	9,132	11,793	1,923	9.2	1,095	12.0	828	7.0
Acute poliomyelitis (045)	1	1	-	1	100.0	1	100.0	-	-
Measles (055)	3	1	2	1	33.3	1	100.0	-	-
Viral hepatitis (070)	1,290	768	522	212	16.4	130	16.9	82	15.7
Syphilis (090-097)	85	51	34	19	22.4	13	25.5	6	17.6
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044,046-054,056-066,071-088,098-139)	23,253	16,459	4,794	3,362	14.5	2,608	14.1	754	15.7
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	485,048	256,088	228,960	19,689	4.1	12,612	4.9	7,077	3.1
Malignant neoplasms of lip, oral cavity, and pharynx (140-149)	8,199	5,497	2,702	314	3.8	254	4.6	60	2.2
Malignant neoplasms of digestive organs and peritoneum (150-159)	117,416	61,075	55,541	4,203	3.6	2,789	4.6	1,414	2.5
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	138,253	91,873	46,380	5,334	3.9	4,035	4.4	1,299	2.8
Malignant neoplasm of breast (174-175)	42,461	289	42,172	974	2.3	14	4.8	960	2.3
Malignant neoplasms of genital organs (179-187)	53,353	28,560	23,793	1,429	2.7	745	2.5	684	2.9
Malignant neoplasms of urinary organs (188-189)	19,474	12,889	7,085	704	3.6	518	4.2	198	2.6
Malignant neoplasms of all other and unspecified sites (170-173,190-199)	61,130	32,813	28,317	3,166	5.2	2,010	6.1	1,158	4.1
Leukemia (204-208)	17,577	9,724	8,753	1,534	8.7	972	10.0	562	7.2
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)	27,185	14,068	13,117	2,031	7.5	1,275	9.1	756	5.8
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	6,735	3,012	3,723	688	10.2	344	11.4	344	9.2
Diabetes mellitus (250)	40,388	18,975	23,393	1,983	4.9	1,140	6.7	843	3.6
Nutritional deficiencies (260-269)	2,985	1,096	1,889	169	5.7	85	7.8	84	4.4
Anemias (280-285)	3,816	1,614	2,202	424	11.1	227	14.1	197	8.9
Meningitis (320-322)	1,156	601	555	370	32.0	200	33.3	170	30.6
Major cardiovascular diseases (390-448)	969,400	470,857	488,543	70,448	7.3	46,961	10.0	23,487	4.7
Diseases of heart (390-398,402,404-429)	765,156	385,002	379,754	58,318	7.6	40,389	10.5	18,929	5.0
Rheumatic fever and rheumatic heart disease (390-398)	6,421	5,476	945	941	14.7	395	20.3	546	12.2
Hypertensive heart disease (402)	20,788	8,850	11,938	2,157	10.4	1,359	15.4	798	6.7
Hypertensive heart and renal disease (404)	2,450	894	1,456	122	5.0	62	6.2	60	4.1
Ischemic heart disease (410-414)	509,592	284,505	245,087	37,308	7.3	26,559	10.0	10,749	4.4
Acute myocardial infarction (410)	247,950	135,984	112,066	19,195	7.7	13,439	9.9	5,756	5.1
Other acute and subacute forms of ischemic heart disease (411)	3,408	1,955	1,453	397	11.6	304	16.5	93	6.4
Angina pectoris (413)	1,021	455	566	33	3.2	17	3.7	16	2.8
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	257,213	126,211	131,002	17,693	6.9	12,799	10.1	4,884	3.7
Other diseases of endocardium (424)	11,731	5,185	6,546	1,309	11.2	782	15.3	517	7.9
All other forms of heart disease (415-423,425-429)	214,174	103,923	110,251	17,481	8.2	11,222	10.8	6,259	5.7
Hypertension with or without renal disease (401,403)	8,456	3,555	4,901	367	4.3	198	5.6	169	3.4
Cerebrovascular diseases (430-438)	150,517	59,759	90,758	5,826	3.9	3,153	5.3	2,673	2.9
Intracerebral and other intracranial hemorrhage (431-432)	21,242	9,736	11,506	1,780	8.4	1,012	10.4	768	6.7
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9)	21,265	8,303	12,962	873	4.1	493	5.8	390	3.0
Cerebral embolism (434.1)	741	309	432	96	4.9	23	7.4	13	3.0
All other and late effects of cerebrovascular diseases (430,433,435-438)	107,269	41,411	65,858	3,137	2.9	1,835	3.9	1,502	2.3
Atherosclerosis (440)	22,066	8,327	13,739	603	2.7	367	4.3	246	1.8
Other diseases of arteries, arterioles, and capillaries (441-448)	23,165	13,814	9,371	4,334	18.7	2,864	20.7	1,470	15.7
Acute bronchitis and bronchiolitis (466)	635	281	354	166	26.1	97	34.5	69	19.5
Pneumonia and influenza (480-487)	77,662	36,834	40,828	6,546	8.4	4,146	11.3	2,400	5.9
Pneumonia (480-486)	75,719	36,161	39,558	6,463	8.5	4,101	11.3	2,362	6.0
Influenza (487)	1,943	673	1,270	83	4.3	45	6.7	38	3.0
Chronic obstructive pulmonary diseases and allied conditions (490-496)	82,853	48,939	33,914	4,400	5.3	2,966	6.1	1,434	4.2
Bronchitis, chronic and unspecified (490-491)	3,720	1,992	1,728	294	7.9	176	8.8	118	6.8
Emphysema (492)	15,513	9,686	5,827	1,124	7.2	833	8.6	291	5.0
Asthma (493)	4,597	1,822	2,775	807	17.6	391	21.5	416	15.0
Other chronic obstructive pulmonary diseases and allied conditions (494-496)	59,023	35,439	23,584	2,175	3.7	1,566	4.4	609	2.6
Ulcer of stomach and duodenum (531-533)	6,435	3,182	3,253	1,215	18.9	752	23.6	483	14.2
Appendicitis (540-543)	473	241	232	138	29.2	79	32.8	59	25.4
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	5,599	2,041	3,558	772	13.8	384	18.8	388	10.9
Chronic liver disease and cirrhosis (571)	26,409	17,196	9,213	5,121	19.4	3,598	20.9	1,523	16.5
Cholelithiasis and other disorders of gallbladder (574-576)	3,115	1,385	1,730	387	12.4	211	15.2	176	10.2
Nephritis, nephrotic syndrome, and nephrosis (580-589)	22,392	10,860	11,512	1,210	5.4	715	6.6	495	4.3
Acute glomerulonephritis and nephrotic syndrome (580-581)	310	158	152	33	10.6	20	12.7	13	8.6
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587)	1,521	783	728	192	8.7	75	9.5	57	7.8
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589)	20,561	9,929	10,632	1,045	5.1	820	6.2	425	4.0
Infections of kidney (590)	1,610	495	1,114	260	16.6	96	18.4	154	18.8
Hypertrophy of prostate (600)	454	454	...	58	12.8	58	12.8	...	...
Complications of pregnancy, childbirth, and the puerperium (630-676)	330	...	330	217	65.8	...	...	217	65.8
Pregnancy with abortive outcome (630-638)	61	...	61	51	83.6	...	...	51	83.6
Other complications of pregnancy, childbirth, and the puerperium (640-676)	269	...	269	166	61.7	...	...	166	61.7
Congenital anomalies (740-769)	12,753	6,775	5,978	4,924	38.8	2,821	41.6	2,103	35.2
Certain conditions originating in the perinatal period (760-779)	18,220	10,393	7,827	4,555	25.0	2,613	25.1	1,942	24.8
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769)	4,222	2,508	1,714	1,195	28.3	719	28.7	476	27.8
Other conditions originating in the perinatal period (760-766,770-778)	13,998	7,885	6,113	3,360	24.0	1,894	24.0	1,466	24.0
Symptoms, signs, and ill-defined conditions (780-799)	30,851	18,988	13,882	13,041	42.1	8,090	47.7	4,951	35.4
All other diseases (Residual)	167,835	78,490	89,445	19,736	11.8	11,734	14.9	8,002	8.9
Accidents and adverse effects (E800-E949)	97,100	65,821	31,279	48,188	49.6	34,718	52.7	13,480	43.1
Motor vehicle accidents (E810-E825)	49,078	34,258	14,820	25,398	51.6	17,824	52.0	7,514	50.7
All other accidents and adverse effects (E800-E807,E826-E949)	48,022	31,563	16,459	22,860	47.6	16,894	53.5	5,966	36.2
Suicide (E950-E959)	30,407	24,078	6,329	16,497	54.3	12,699	52.7	3,798	60.0
Homicide and legal intervention (E860-E878)	22,032	16,712	5,320	21,265	96.5	16,188	96.9	5,087	95.2
All other external causes (E980-E999)	3,033	2,208	825	2,633	88.5	1,833	83.0	700	84.8

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Table 1-29. Deaths From 34 Selected Causes by Place of Death, Status of Decedent When Death Occurred in Hospital or Medical Center, and Age: Total of 44 Reporting Areas, 1988

[Includes all deaths occurring in the reporting areas. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix. For discussion of place of death and status of decedent and list of States reporting status of decedent, see Technical Appendix]

Cause of death and age	Total	In hospital or medical center				Other institutions	Dead on arrival at hospital or medical center	Other places	Place unknown
		Total	Inpatient	Outpatient or emergency room	Status unknown				
All causes	1,890,958	983,845	845,346	129,129	19,370	277,568	74,069	344,872	804
Under 1 year	29,224	24,644	21,242	2,834	568	43	1,917	2,803	17
1-4 years	5,570	3,662	2,457	1,129	76	49	576	1,277	6
5-14 years	6,784	3,986	2,624	1,284	78	59	724	2,005	10
15-24 years	28,528	12,503	7,302	4,669	332	167	3,680	12,115	63
25-44 years	101,045	55,893	41,166	13,157	1,570	1,802	9,207	34,178	166
45-64 years	289,866	186,577	159,758	32,957	3,882	11,719	17,894	73,997	179
65-74 years	384,758	251,811	215,203	32,040	4,568	33,467	18,604	82,749	127
75-84 years	474,097	280,115	246,777	28,138	5,200	92,350	15,286	86,195	151
85 years and over	380,779	164,586	149,760	12,715	3,111	138,097	8,065	49,853	78
Not stated	307	68	57	6	5	15	18	200	8
Tuberculosis (010-018)	1,485	1,187	1,093	71	23	62	31	164	1
Under 1 year	-	-	-	-	-	-	-	-	-
1-4 years	1	1	1	-	-	-	-	-	-
5-14 years	1	-	-	-	-	1	-	-	-
15-24 years	24	21	18	2	1	-	2	1	-
25-44 years	240	205	186	15	4	-	4	30	1
45-64 years	355	285	254	20	11	6	13	51	-
65-74 years	303	249	230	16	3	16	7	31	-
75-84 years	346	274	258	14	4	29	2	41	-
85 years and over	193	151	147	4	-	30	3	9	-
Not stated	2	1	1	-	-	-	-	1	-
Syphilis (090-097)	60	39	33	5	1	10	3	8	-
Under 1 year	10	9	9	-	-	-	-	1	-
1-4 years	-	-	-	-	-	-	-	-	-
5-14 years	-	-	-	-	-	-	-	-	-
15-24 years	-	-	-	-	-	-	-	-	-
25-44 years	8	5	5	-	-	-	3	-	-
45-64 years	10	8	5	3	-	1	-	1	-
65-74 years	8	4	4	-	-	1	-	3	-
75-84 years	17	10	8	1	1	5	-	2	-
85 years and over	7	3	2	1	-	3	-	1	-
Not stated	-	-	-	-	-	-	-	-	-
Residual of infectious and parasitic diseases (001-009,020-041,*042-*044,045-088,098-139)	34,282	28,768	27,244	878	646	2,834	344	2,331	5
Under 1 year	533	494	426	54	14	-	13	26	-
1-4 years	291	265	219	43	3	-	10	16	-
5-14 years	184	161	151	10	-	2	4	17	-
15-24 years	620	554	515	29	10	9	14	43	-
25-44 years	10,095	8,381	7,806	301	254	217	159	1,355	3
45-64 years	5,671	5,025	4,811	115	99	144	57	444	1
65-74 years	4,932	4,489	4,344	65	80	292	24	127	-
75-84 years	6,596	5,548	5,299	144	105	865	31	152	-
85 years and over	5,358	3,869	3,672	117	80	1,305	32	161	-
Not stated	2	2	1	-	1	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	378,832	226,206	214,327	7,789	4,080	51,458	6,821	94,228	121
Under 1 year	70	60	59	1	-	-	2	8	-
1-4 years	423	274	255	15	4	1	7	141	-
5-14 years	786	500	463	29	8	5	21	260	-
15-24 years	1,424	1,073	1,024	31	18	24	32	294	1
25-44 years	15,624	11,164	10,539	387	238	564	277	3,615	4
45-64 years	105,711	70,651	66,658	2,776	1,217	5,894	2,164	26,887	35
65-74 years	118,351	72,953	69,227	2,442	1,284	12,478	2,127	30,764	31
75-84 years	88,340	53,081	50,499	1,601	881	19,248	1,596	24,374	41
85 years and over	38,087	16,441	15,594	507	340	13,142	595	7,901	8
Not stated	16	9	9	-	-	2	-	4	1
Malignant neoplasms of digestive organs and peritoneum (150-159)	92,046	52,774	50,158	1,634	882	12,878	1,531	24,837	26
Under 1 year	6	5	5	-	-	-	1	-	-
1-4 years	12	8	5	1	-	-	-	6	-
5-14 years	10	6	6	-	-	-	-	4	-
15-24 years	85	61	56	4	1	1	4	19	-
25-44 years	2,385	1,618	1,517	59	40	60	50	639	-
45-64 years	22,072	14,573	13,798	502	272	993	431	6,069	8
65-74 years	26,193	16,897	16,094	505	298	2,837	473	8,188	10
75-84 years	26,947	14,165	13,511	399	255	5,032	408	7,337	7
85 years and over	12,353	5,454	5,174	164	116	4,154	188	2,578	3
Not stated	3	1	1	-	-	-	-	1	-
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	108,154	66,731	62,617	2,914	1,200	12,081	2,308	26,990	44
Under 1 year	2	2	1	1	-	-	-	-	-
1-4 years	4	2	2	-	-	-	-	2	-
5-14 years	7	3	3	-	-	1	-	3	-
15-24 years	37	27	24	2	1	1	1	8	-
25-44 years	2,331	1,711	1,580	82	39	80	42	497	1
45-64 years	37,131	24,961	23,277	1,257	427	2,080	906	9,189	15
65-74 years	39,380	24,446	23,030	980	436	3,956	824	10,132	12
75-84 years	24,821	13,194	12,458	494	244	4,393	447	5,896	16
85 years and over	5,237	2,382	2,241	86	53	1,583	88	1,183	1
Not stated	4	3	3	-	-	1	-	-	-

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Table 1-29. Deaths From 34 Selected Causes by Place of Death, Status of Decedent When Death Occurred in Hospital or Medical Center, and Age: Total of 44 Reporting Areas, 1988—Con.

[Includes all deaths occurring in the reporting areas. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix. For discussion of place of death and status of decedent and list of States reporting status of decedent, see Technical Appendix]

Cause of death and age	Total	In hospital or medical center				Other institutions	Dead on arrival at hospital or medical center	Other places	Place unknown
		Total	Inpatient	Outpatient or emergency room	Status unknown				
<b>Malignant neoplasms, etc.—Con.</b>									
<b>Malignant neoplasm of breast (174-175)</b>	33,356	19,339	18,384	817	338	5,244	555	8,212	6
Under 1 year	—	—	—	—	—	—	—	—	—
1-4 years	—	—	—	—	—	—	—	—	—
5-14 years	—	—	—	—	—	—	—	—	—
15-24 years	9	7	6	1	—	—	—	1	—
25-44 years	2,882	2,087	1,994	54	39	94	49	650	2
45-64 years	11,847	7,816	7,547	246	123	694	177	3,058	2
65-74 years	8,641	5,025	4,787	156	82	1,198	153	2,267	—
75-84 years	6,831	3,254	3,075	111	68	1,841	114	1,820	2
85 years and over	3,144	1,049	974	49	26	1,419	61	615	—
Not stated	2	1	1	—	—	—	—	1	—
<b>Malignant neoplasms of genital organs (178-187)</b>	41,983	23,214	22,084	697	433	7,147	747	10,866	9
Under 1 year	2	1	1	—	—	—	—	1	—
1-4 years	1	—	—	—	—	—	—	1	—
5-14 years	5	4	3	1	—	—	—	1	—
15-24 years	87	70	68	1	1	—	1	16	—
25-44 years	1,433	984	928	36	20	49	24	376	—
45-64 years	7,764	5,043	4,806	152	85	450	147	2,123	1
65-74 years	12,617	7,488	7,141	215	132	1,448	221	3,458	2
75-84 years	13,918	7,145	6,803	199	143	2,979	251	3,538	5
85 years and over	6,153	2,477	2,332	93	52	2,221	103	1,351	1
Not stated	3	2	2	—	—	—	—	1	—
<b>Malignant neoplasms of urinary organs (188-189)</b>	15,387	8,593	8,204	253	136	2,549	253	3,989	9
Under 1 year	4	2	2	—	—	—	—	2	—
1-4 years	15	11	10	1	—	—	1	3	—
5-14 years	29	16	15	1	—	—	2	11	—
15-24 years	27	21	21	—	—	—	—	5	—
25-44 years	867	251	239	8	4	10	10	98	—
45-64 years	3,389	2,169	2,076	67	26	206	60	954	—
65-74 years	4,695	2,868	2,730	88	48	509	64	1,255	1
75-84 years	4,673	2,416	2,302	71	43	888	73	1,195	1
85 years and over	2,168	841	809	17	15	835	43	468	1
Not stated	—	—	—	—	—	—	—	—	—
<b>Leukemia (204-208)</b>	13,566	10,544	10,104	276	164	1,112	165	1,741	4
Under 1 year	15	12	12	—	—	—	—	3	—
1-4 years	147	106	103	3	—	—	2	39	—
5-14 years	280	210	195	10	6	—	5	75	—
15-24 years	382	328	317	8	5	3	6	55	—
25-44 years	1,091	882	847	18	19	9	9	91	—
45-64 years	2,670	2,337	2,237	66	34	41	32	259	1
65-74 years	3,442	2,870	2,758	72	40	137	32	403	—
75-84 years	3,776	2,726	2,611	74	40	431	48	569	3
85 years and over	1,743	974	924	29	21	491	31	247	—
Not stated	—	—	—	—	—	—	—	—	—
<b>Other malignant neoplasms (140-149,170-173,190-203)</b>	74,340	45,011	42,778	1,398	837	10,445	1,262	17,593	29
Under 1 year	41	38	38	—	—	—	1	2	—
1-4 years	244	149	135	10	4	1	4	80	—
5-14 years	445	261	241	17	3	4	14	166	—
15-24 years	787	559	532	17	10	18	19	190	1
25-44 years	5,155	3,533	3,334	122	77	282	83	1,266	1
45-64 years	20,839	13,652	12,916	486	250	1,530	411	5,235	10
65-74 years	21,383	13,371	12,667	428	248	2,683	260	5,063	6
75-84 years	18,174	10,192	9,741	253	188	3,608	257	4,119	8
85 years and over	7,289	3,264	3,140	67	57	2,439	103	1,461	2
Not stated	4	2	2	—	—	—	—	1	—
<b>Diabetes mellitus (250)</b>	32,385	18,895	15,750	2,778	367	5,944	1,384	6,152	10
Under 1 year	1	1	1	—	—	—	—	—	—
1-4 years	8	8	7	—	1	—	—	—	—
5-14 years	25	23	16	7	—	—	—	2	—
15-24 years	93	54	42	11	1	—	10	29	—
25-44 years	1,575	987	750	197	20	38	139	442	—
45-64 years	6,890	4,525	3,517	813	95	355	429	1,888	2
65-74 years	8,945	5,658	4,704	881	83	1,065	409	1,801	3
75-84 years	9,562	5,391	4,626	591	114	2,296	314	1,617	4
85 years and over	5,285	2,318	2,067	178	59	2,192	101	678	1
Not stated	—	—	—	—	—	—	—	—	—
<b>Major cardiovascular diseases (300-448)</b>	765,082	430,159	398,769	83,092	8,298	148,746	41,576	144,327	274
Under 1 year	783	658	540	105	19	3	68	53	1
1-4 years	302	253	184	54	5	6	18	24	—
5-14 years	317	257	189	65	3	5	18	37	—
15-24 years	1,094	777	502	252	23	15	133	169	—
25-44 years	15,286	10,043	6,011	3,772	260	185	1,851	3,197	10
45-64 years	110,353	71,507	46,907	23,109	1,491	2,825	10,907	25,248	68
65-74 years	171,074	111,631	85,417	24,288	2,146	11,715	11,489	35,876	63
75-84 years	247,173	143,630	118,283	21,661	2,686	46,463	10,890	46,018	81
85 years and over	218,628	91,178	78,707	8,804	1,668	87,722	6,105	33,568	52
Not stated	74	24	19	2	3	7	7	36	—

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Table 1-29. Deaths From 34 Selected Causes by Place of Death, Status of Decedent When Death Occurred in Hospital or Medical Center, and Age: Total of 44 Reporting Areas, 1988—Con.

[Includes all deaths occurring in the reporting areas. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044; see Technical Appendix. For discussion of place of death and status of decedent and list of States reporting status of decedent, see Technical Appendix.]

Cause of death and age	Total	In hospital or medical center				Other institutions	Dead on arrival at hospital or medical center	Other places	Place unknown
		Total	Inpatient	Outpatient or emergency room	Status unknown				
<b>Major cardiovascular diseases—Con.</b>									
Diseases of heart (390-398,402,404-426)	605,688	334,851	251,767	78,562	6,522	104,182	38,464	127,852	239
Under 1 year	658	545	437	97	11	3	61	48	1
1-4 years	254	207	153	50	4	5	17	24	1
5-14 years	248	191	133	56	3	5	18	34	-
15-24 years	835	562	318	228	17	14	118	141	-
25-44 years	12,060	7,381	3,781	3,425	185	126	1,716	2,828	9
45-64 years	83,665	57,880	34,744	21,917	1,219	1,757	10,407	23,561	60
65-74 years	140,222	88,463	64,213	22,523	1,727	7,831	10,819	33,052	57
75-84 years	182,399	110,448	88,697	19,685	2,074	31,501	9,593	40,390	69
85 years and over	185,283	69,156	59,305	8,582	1,269	62,935	5,306	27,841	42
Not stated	64	20	15	2	3	5	6	33	-
Rheumatic fever and rheumatic heart disease (390-398)	5,059	3,565	3,089	416	50	499	186	815	-
Under 1 year	5	5	5	-	-	-	-	-	-
1-4 years	3	2	2	-	-	-	1	-	-
5-14 years	8	8	6	1	1	-	-	-	-
15-24 years	43	30	14	15	1	-	4	9	-
25-44 years	262	209	151	57	1	2	15	36	-
45-64 years	1,139	867	698	156	13	25	55	192	-
65-74 years	1,458	1,108	1,000	97	11	61	63	224	-
75-84 years	1,511	1,012	922	72	18	215	34	250	-
85 years and over	631	324	301	18	5	190	14	103	-
Not stated	1	-	-	-	-	-	-	1	-
Hypertensive heart disease with or without renal disease (402,404)	17,136	7,538	5,122	2,231	185	2,808	1,741	5,044	5
Under 1 year	-	-	-	-	-	-	-	-	-
1-4 years	1	1	1	-	-	-	-	-	-
5-14 years	1	1	1	-	-	-	-	-	-
15-24 years	27	13	4	9	-	-	8	6	-
25-44 years	519	255	89	153	13	2	98	164	-
45-64 years	3,280	1,508	728	747	35	66	591	1,115	-
65-74 years	3,967	1,866	1,201	633	52	267	484	1,327	8
75-84 years	5,198	2,375	1,831	493	52	911	384	1,526	1
85 years and over	4,140	1,498	1,269	196	33	1,562	175	804	1
Not stated	3	-	-	-	-	-	1	2	-
Ischemic heart disease (410-414)	409,392	230,739	171,094	55,424	4,221	66,665	24,834	86,898	166
Under 1 year	22	20	18	2	-	-	1	1	-
1-4 years	7	5	4	1	-	1	-	1	-
5-14 years	12	7	4	2	1	-	-	5	-
15-24 years	101	61	28	32	1	-	15	25	-
25-44 years	6,308	3,648	1,489	2,061	98	39	1,028	1,592	3
45-64 years	63,338	39,744	23,133	15,817	794	1,092	6,712	15,740	60
65-74 years	98,080	63,010	45,149	16,718	1,143	4,973	7,062	22,993	42
75-84 years	133,061	78,072	62,014	14,662	1,396	20,189	6,676	28,067	47
85 years and over	108,426	46,158	39,243	6,129	786	40,359	3,340	18,646	24
Not stated	37	14	12	-	2	2	2	19	-
Other heart diseases (415-429)	174,101	93,009	72,452	18,491	2,066	34,216	11,703	35,105	68
Under 1 year	631	520	414	85	11	3	60	47	1
1-4 years	243	199	146	49	4	4	18	23	1
5-14 years	227	175	122	52	1	5	18	29	-
15-24 years	684	458	273	170	15	14	91	101	-
25-44 years	4,371	3,269	2,032	1,154	83	83	577	1,038	6
45-64 years	25,908	15,761	10,187	5,197	377	574	3,048	6,514	10
65-74 years	36,719	22,458	16,863	5,075	521	2,530	3,210	8,508	12
75-84 years	52,629	28,988	23,820	4,458	608	10,176	2,898	10,547	21
85 years and over	52,086	21,778	18,492	2,239	445	20,824	1,780	8,239	17
Not stated	23	8	3	2	1	3	3	11	-
Hypertension with or without renal disease (401,403)	6,711	3,411	2,750	588	73	1,326	339	1,634	1
Under 1 year	1	1	1	-	-	-	-	-	-
1-4 years	1	1	1	-	-	-	-	-	-
5-14 years	1	1	1	-	-	-	-	-	-
15-24 years	7	8	5	1	-	-	-	1	-
25-44 years	176	110	65	40	5	2	17	47	-
45-64 years	1,032	569	391	161	17	44	120	298	1
65-74 years	1,508	868	688	182	18	148	83	409	-
75-84 years	2,198	1,141	874	142	25	438	80	539	-
85 years and over	1,787	714	645	61	8	694	39	340	-
Not stated	-	-	-	-	-	-	-	-	-
Cerebrovascular diseases (430-438)	117,233	70,813	66,398	3,135	1,280	34,108	1,854	10,436	22
Under 1 year	115	104	96	6	2	-	6	5	-
1-4 years	44	42	38	3	1	1	1	-	-
5-14 years	69	58	49	7	-	-	-	3	-
15-24 years	197	165	146	15	4	1	9	22	-
25-44 years	2,579	2,193	1,939	201	53	52	78	255	1
45-64 years	12,231	10,300	9,543	550	207	725	232	969	5
65-74 years	21,839	16,586	15,627	696	273	3,231	336	1,671	3
75-84 years	41,255	24,846	23,439	964	443	12,068	626	3,678	7
85 years and over	38,908	16,507	15,517	693	297	18,000	564	3,831	6
Not stated	6	4	4	-	-	-	-	2	-



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Table 1-29. Deaths From 34 Selected Causes by Place of Death, Status of Decedent When Death Occurred in Hospital or Medical Center, and Age: Total of 44 Reporting Areas, 1988—Con.

[Includes all deaths occurring in the reporting areas. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix. For discussion of place of death and status of decedent and list of States reporting status of decedent, see Technical Appendix.]

Cause of death and age	Total	In hospital or medical center				Other institutions	Dead on arrival at hospital or medical center	Other places	Place unknown
		Total	Inpatient	Outpatient or emergency room	Status unknown				
Complications of pregnancy, childbirth, and the puerperium (630-676)	242	214	164	44	6	1	10	17	-
Under 1 year	...	...	...	...	...	...	...	...	...
1-4 years	...	...	...	...	...	...	...	...	...
5-14 years	-	-	-	-	-	-	-	-	-
15-24 years	86	80	60	18	2	-	1	5	-
25-44 years	194	193	109	29	4	1	9	11	-
45-64 years	2	1	1	-	-	-	-	1	-
65-74 years	...	...	...	...	...	...	...	...	...
75-84 years	...	...	...	...	...	...	...	...	...
85 years and over	...	...	...	...	...	...	...	...	...
Not stated	-	-	-	-	-	-	-	-	-
Congenital anomalies (740-759)	9,639	8,167	7,284	746	137	238	313	816	5
Under 1 year	5,951	5,511	5,141	271	99	12	124	301	9
1-4 years	704	564	456	100	8	14	46	80	-
5-14 years	381	309	212	88	3	10	28	42	-
15-24 years	360	274	195	74	5	9	29	48	1
25-44 years	681	477	355	116	6	22	45	137	-
45-64 years	614	439	377	58	4	49	28	97	1
65-74 years	391	300	268	28	4	32	10	49	-
75-84 years	322	226	210	9	7	47	5	44	-
85 years and over	132	71	68	2	1	43	1	18	-
Not stated	3	2	2	-	-	-	1	-	-
Certain conditions originating in the perinatal period (760-779)	13,821	13,601	13,029	279	293	16	81	120	9
Under 1 year	13,689	13,608	12,948	268	292	10	79	97	9
1-4 years	91	69	59	9	1	4	6	12	-
5-14 years	19	11	11	-	-	2	2	4	-
15-24 years	8	5	2	3	-	-	-	2	-
25-44 years	7	5	5	-	-	-	-	9	-
45-64 years	2	1	-	1	-	-	-	1	-
65-74 years	-	-	-	-	-	-	-	-	-
75-84 years	1	1	1	-	-	-	-	-	-
85 years and over	1	1	1	-	-	-	-	-	-
Not stated	9	2	2	-	-	-	-	1	-
Symptoms, signs, and ill-defined conditions (780-799)	21,662	7,455	3,688	3,466	301	2,541	2,688	8,964	24
Under 1 year	4,900	2,058	401	1,564	83	11	1,264	1,560	8
1-4 years	218	125	41	75	9	1	32	60	-
5-14 years	107	66	17	49	1	-	12	29	-
15-24 years	558	222	80	132	10	2	57	276	1
25-44 years	2,824	957	369	529	59	16	288	1,580	5
45-64 years	2,792	879	449	372	58	40	365	1,506	2
65-74 years	2,821	1,017	670	326	21	165	267	1,371	1
75-84 years	3,528	1,188	891	263	34	618	234	1,487	1
85 years and over	3,870	942	769	157	16	1,687	169	1,071	1
Not stated	44	1	1	-	-	1	2	35	5
All other diseases (Residual)	153,189	99,370	91,405	5,993	1,972	33,809	3,376	16,798	38
Under 1 year	1,577	1,280	1,035	218	29	4	120	172	1
1-4 years	870	644	477	149	18	16	70	139	1
5-14 years	805	629	487	120	12	22	63	191	-
15-24 years	1,836	1,142	828	187	27	49	98	349	-
25-44 years	9,523	6,733	5,617	932	184	312	535	1,837	8
45-64 years	22,151	16,657	15,029	1,284	344	1,287	814	3,388	7
65-74 years	29,004	21,425	20,004	1,034	387	3,750	528	5,294	7
75-84 years	46,171	28,267	27,492	1,250	575	11,855	893	4,537	9
85 years and over	41,334	21,564	20,347	821	986	16,312	467	2,965	6
Not stated	19	9	9	-	-	2	-	7	1
Motor vehicle accidents (E810-E825)	37,784	15,808	7,844	7,568	396	158	5,063	15,741	114
Under 1 year	170	101	61	39	2	-	27	42	-
1-4 years	741	425	175	238	12	1	108	208	1
5-14 years	1,877	1,052	568	461	23	2	250	580	4
15-24 years	11,084	4,188	2,066	2,016	106	18	1,820	5,019	39
25-44 years	12,573	4,482	2,048	2,308	128	39	2,184	5,818	50
45-64 years	5,643	2,262	1,051	1,155	56	29	915	2,424	13
65-74 years	2,724	1,435	611	811	30	20	357	907	5
75-84 years	2,297	1,405	793	579	33	33	231	598	2
85 years and over	634	451	283	180	8	16	63	154	-
Not stated	21	7	5	2	-	-	1	13	-
All other accidents and adverse effects (E800-E807,E826-E849)	37,425	18,568	14,788	4,299	481	2,102	3,423	12,217	115
Under 1 year	576	288	130	148	10	1	101	165	1
1-4 years	1,498	709	373	328	8	3	216	478	2
5-14 years	1,405	621	289	314	18	3	233	542	6
15-24 years	3,163	1,041	476	540	25	19	459	1,832	12
25-44 years	8,621	2,823	1,423	1,304	96	78	1,263	4,401	58
45-64 years	6,200	2,944	2,144	720	80	118	596	2,517	25
65-74 years	4,399	2,871	2,441	366	64	189	249	1,084	6
75-84 years	5,957	4,218	3,888	353	95	584	197	855	5
85 years and over	5,693	3,952	3,641	226	85	1,107	108	494	2
Not stated	33	3	3	-	-	-	1	29	-





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Table 1-30. Deaths by Place of Death, Age, Race, and Sex: United States, 1988

[Data include deaths of nonresidents of the United States. For discussion of place of death, see Technical Appendix]

Race, age, and sex	Total	In hospital or medical center	Not in hospital or medical center <sup>1</sup>	Place unknown	Race, age, and sex	Total	In hospital or medical center	Not in hospital or medical center <sup>1</sup>	Place unknown
All races	2,171,186	1,286,206	874,148	842	All other	291,589	195,070	96,386	193
Under 1 year	38,973	33,664	5,289	20	Under 1 year	13,004	11,235	1,761	8
1-4 years	7,478	5,222	2,250	8	1-4 years	2,059	1,435	620	4
5-14 years	8,060	5,530	3,429	10	5-14 years	2,292	1,430	849	3
15-24 years	38,995	17,894	20,436	65	15-24 years	9,166	4,858	4,304	6
25-44 years	137,098	78,134	58,784	170	25-44 years	37,403	23,771	13,601	31
45-64 years	388,049	258,676	128,986	167	45-64 years	71,292	49,667	21,377	28
65-74 years	489,343	324,488	184,712	193	65-74 years	62,001	43,176	18,806	19
75-84 years	602,437	359,696	242,584	157	75-84 years	59,609	39,094	20,696	19
85 years and over	459,860	212,532	247,243	85	85 years and over	94,412	20,120	14,288	14
Not stated	594	160	425	9	Not stated	161	58	104	1
Male	1,127,758	702,712	424,501	545	Male	160,474	106,675	53,721	78
Under 1 year	22,042	18,963	3,065	14	Under 1 year	7,140	6,170	964	6
1-4 years	4,250	2,917	1,330	3	1-4 years	1,163	793	359	1
5-14 years	5,605	3,352	2,149	4	5-14 years	1,351	827	522	2
15-24 years	28,715	12,851	15,811	53	15-24 years	6,839	3,581	3,354	4
25-44 years	95,823	52,131	43,557	195	25-44 years	25,412	15,591	9,798	23
45-64 years	239,896	158,496	81,284	196	45-64 years	42,528	28,993	13,516	19
65-74 years	284,428	191,394	92,959	75	65-74 years	34,307	23,882	10,415	10
75-84 years	295,035	183,137	111,805	93	75-84 years	29,017	19,212	9,788	7
85 years and over	151,642	79,360	72,255	27	85 years and over	12,522	7,589	4,627	8
Not stated	422	111	306	5	Not stated	105	37	68	-
Female	1,043,438	593,494	449,647	297	Female	191,115	88,395	42,665	55
Under 1 year	16,931	14,701	2,224	6	Under 1 year	5,864	5,065	797	2
1-4 years	3,228	2,305	820	3	1-4 years	906	642	261	3
5-14 years	3,464	2,178	1,280	6	5-14 years	931	603	327	1
15-24 years	9,680	5,043	6,625	12	15-24 years	2,227	1,275	950	2
25-44 years	41,275	26,003	15,237	35	25-44 years	11,991	8,180	3,803	8
45-64 years	148,153	100,380	47,722	51	45-64 years	28,764	20,894	7,861	9
65-74 years	204,915	133,104	71,753	58	65-74 years	27,694	18,294	8,391	9
75-84 years	307,402	176,559	130,779	64	75-84 years	30,782	19,882	10,898	12
85 years and over	308,218	133,172	174,888	58	85 years and over	21,890	12,541	9,341	8
Not stated	172	49	119	4	Not stated	56	19	38	1
White	1,879,607	1,101,136	777,762	709	Black	264,176	176,785	87,309	82
Under 1 year	25,969	22,429	3,528	12	Under 1 year	11,848	10,257	1,686	6
1-4 years	5,419	3,787	1,630	2	1-4 years	1,787	1,238	549	2
5-14 years	6,987	4,100	2,580	7	5-14 years	1,948	1,220	727	1
15-24 years	29,229	13,038	16,132	59	15-24 years	7,988	4,359	3,628	1
25-44 years	99,895	54,363	45,193	139	25-44 years	34,219	21,966	12,219	20
45-64 years	316,757	208,989	107,609	159	45-64 years	64,837	45,272	19,549	18
65-74 years	427,342	281,322	145,906	114	65-74 years	58,489	39,167	17,311	11
75-84 years	542,628	320,602	221,888	138	75-84 years	54,038	35,148	18,874	14
85 years and over	425,448	192,402	232,975	71	85 years and over	30,877	18,089	12,778	10
Not stated	433	104	321	8	Not stated	147	51	95	1
Male	967,284	596,037	370,780	467	Male	144,330	98,027	48,255	48
Under 1 year	14,902	12,783	2,101	8	Under 1 year	6,508	5,636	867	5
1-4 years	3,097	2,124	971	2	1-4 years	1,017	697	320	-
5-14 years	4,154	2,525	1,627	2	5-14 years	1,157	713	443	1
15-24 years	21,778	8,270	12,457	49	15-24 years	6,065	3,228	2,836	1
25-44 years	70,411	38,540	33,759	112	25-44 years	23,310	14,493	8,801	16
45-64 years	197,368	128,503	67,748	117	45-64 years	38,721	28,345	12,366	10
65-74 years	260,121	167,512	82,544	65	65-74 years	31,006	21,475	9,526	5
75-84 years	266,018	163,925	102,007	86	75-84 years	25,632	16,849	8,784	5
85 years and over	139,120	71,771	67,328	21	85 years and over	10,818	6,562	4,251	5
Not stated	317	74	238	5	Not stated	86	35	61	-
Female	912,323	505,099	406,962	242	Female	119,846	80,758	39,054	34
Under 1 year	11,067	9,636	1,427	4	Under 1 year	5,340	4,621	718	1
1-4 years	2,322	1,663	659	-	1-4 years	770	539	229	2
5-14 years	2,533	1,575	953	5	5-14 years	791	507	284	-
15-24 years	7,453	3,768	3,675	10	15-24 years	1,923	1,131	792	-
25-44 years	29,284	17,823	11,434	27	25-44 years	10,909	7,493	3,412	4
45-64 years	119,389	79,486	39,861	42	45-64 years	26,116	18,927	7,183	8
65-74 years	177,221	113,810	63,362	49	65-74 years	25,483	17,692	7,785	6
75-84 years	276,610	156,677	119,891	52	75-84 years	28,404	16,305	10,090	9
85 years and over	286,328	120,631	165,647	50	85 years and over	20,059	11,527	8,527	6
Not stated	116	30	83	3	Not stated	51	16	34	1

<sup>1</sup> Includes all other institutions and entries.

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Table 1-31. Deaths From Selected Causes, by Date of Death: United States, 1988

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975]

Cause of death and month	Total	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Unknown
All causes	2,167,999	305,763	311,662	306,592	304,686	304,315	315,786	319,153	42
January	200,610	6,119 6,861 6,513 6,343 6,303	6,696 6,789 6,504 6,470	6,453 6,570 6,293 6,356	6,517 6,485 6,409 6,283	6,599 6,498 6,213 6,425	6,784 6,607 6,550 6,165 6,383	6,409 6,584 6,687 6,473 6,483	6
February	191,548	6,473 6,615 6,549 6,689	6,598 6,642 6,733 6,773 6,720	6,402 6,711 6,758 6,727	6,291 6,509 6,686 6,500	6,323 6,497 6,586 6,427	6,359 6,770 6,942 6,648	6,468 6,728 6,777 6,644	3
March	197,995	6,429 6,193 6,340 6,136	6,737 6,485 6,539 6,064	6,625 6,728 6,226 6,281 5,971	6,580 6,425 6,206 6,277 6,015	6,748 6,407 6,449 6,267 5,986	6,528 6,422 6,565 6,309	6,666 6,564 6,434 6,413	1
April	176,251	5,841 6,032 5,927 5,559	6,290 5,983 5,879 5,696	6,099 6,877 5,770 5,695	5,999 5,881 5,818 5,664	5,916 5,801 5,735 5,683	5,890 5,927 5,654 5,722	6,173 5,857 5,915 6,001 5,840	5
May	176,806	5,713 5,780 6,736 5,692 5,675	5,954 5,845 5,773 5,759 5,737	5,688 5,735 5,457 5,409 5,686	5,814 5,673 5,800 5,334	5,897 5,874 5,452 5,422	5,779 5,896 5,723 5,574	5,890 5,686 5,806 5,745	4
June	168,085	5,543 5,602 5,504 5,538	5,725 5,743 5,694 5,501	5,806 5,670 5,670 5,538	5,736 5,618 5,680 5,732 5,422	5,525 5,441 5,736 5,681 5,405	5,613 5,655 5,523 5,624	5,514 5,756 5,648 5,663	6
July	172,193	5,481 5,703 5,703 5,356 5,387	5,573 5,658 5,695 5,501	5,592 5,459 5,479 5,535	5,765 5,587 5,506 5,278	5,703 5,469 5,311 6,296	5,635 5,728 5,690 5,985 5,482	5,618 5,724 5,830 5,482 5,622	1
August	171,470	5,444 5,595 5,423 5,490	5,613 5,555 5,936 5,410 5,555	5,662 5,582 5,546 5,237 5,300	5,642 5,443 5,614 5,233 5,259	5,501 5,414 5,514 5,513	5,655 5,683 5,591 5,529	5,666 5,853 5,403 5,628	2
September	166,201	5,397 5,850 5,810 5,541	5,297 5,596 5,808 5,468	5,464 5,557 5,553 5,634	5,419 5,384 5,380 5,454	5,470 5,448 5,432 5,610 5,441	5,545 5,657 5,488 5,644 5,599	5,565 5,818 5,630 5,637	7
October	179,478	5,835 5,901 6,052 5,885 5,977	5,534 6,018 6,143 5,636 5,851	5,581 5,896 5,760 5,783	5,475 5,586 5,501 5,862	5,464 5,640 5,726 5,857	6,029 5,898 5,767 5,827	5,815 5,842 6,117 6,016 5,801	3
November	175,198	5,764 5,674 5,745 5,773	5,929 5,820 5,804 5,896	5,863 5,751 5,744 5,755 5,774	5,777 5,886 5,779 6,069 5,708	6,001 5,707 5,741 5,833	6,058 5,794 5,866 5,853	6,004 5,874 5,861 5,883	2
December	192,164	5,849 6,063 6,289 6,272	6,183 6,264 6,364 6,338	6,107 6,231 6,377 6,381	6,016 6,192 6,244 6,494	5,886 5,981 6,170 6,251 6,193	5,841 5,923 6,147 6,282 6,375	6,275 6,198 6,281 6,379 6,335	2

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Table 1-31. Deaths From Selected Causes, by Date of Death: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975]

Cause of death and month	Total	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Unknown
Motor vehicle accidents (E810-E825)	49,078	7,893	6,044	5,688	5,752	6,083	7,838	9,778	2
January	3,382	89	81	105	76	75	184	109	
		88	87	84	90	101	96	118	
		151	116	116	89	87	116	163	
		124	95	72	71	81	122	147	
		131					132	186	
February	3,129	106	104	98	95	86	122	131	1
		99	95	99	89	108	128	139	
		111	107	80	91	102	133	158	
		123	84	88	79	80	124	167	
		123	102						
March	3,595	122	97	83	114	120	144	157	
		127	115	94	88	108	122	158	
		139	81	72	102	99	127	143	
		163	102	103	89	116	126	190	
				80	94	100			
April	3,608	123	121	88	101	119	130	183	1
		152	123	89	98	113	143	177	
		138	107	94	96	106	141	187	
		152	80	108	103	108	107	194	
							138	188	
May	4,220	149	103	87	100	119	145	213	
		179	96	92	106	130	135	238	
		185	120	112	132	124	139	173	
		169	111	105	109	115	147	203	
		147	124	113					
June	4,319	160	139	120	117	141	160	174	
		189	121	129	132	151	164	169	
		161	125	121	126	123	151	194	
		159	136	116	121	132	150	195	
					109	132			
July	4,639	202	148	138	97	116	152	234	
		132	118	124	125	94	146	153	
		170	137	141	141	131	147	185	
		166	132	126	125	137	150	225	
		188					171	180	
August	4,683	177	135	124	142	131	164	207	
		179	132	135	123	131	157	245	
		194	141	106	130	140	185	211	
		180	128	115	140	119	168	186	
			125	115	118				
September	4,345	189	142	118	121	118	156	218	
		180	115	120	118	120	135	212	
		168	134	121	124	117	148	223	
		166	102	107	117	120	159	208	
							144		
October	4,567	164	141	131	112	101	186	238	
		186	140	98	121	112	169	183	
		174	142	120	102	118	182	221	
		123	123	122	101	129	168	155	
		188	121					186	
November	4,005	157	112	129	111	134	149	219	
		140	118	104	100	112	154	203	
		143	82	112	113	128	172	172	
		131	115	124	151	149	136	153	
				84	99				
December	4,386	151	114	134	131	128	160	178	
		159	122	113	119	108	166	174	
		146	111	129	130	114	145	197	
		106	132	118	124	169	201	200	
						107	142	158	

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Table 1-31. Deaths From Selected Causes, by Date of Death: United States, 1988—Con.  
 [Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975]

Cause of death and month	Total	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Unknown
Suicide (E950-E959) .....	30,407	4,177	4,809	4,376	4,430	4,134	4,310	4,167	2
January .....	2,532	...	...	...	...	...	...	...	...
...	...	72	105	83	80	86	87	70	...
...	...	72	100	77	95	93	88	64	...
...	...	82	82	85	79	74	92	87	...
...	...	81	83	73	71	87	74	85	...
...	...	76	...	...	...	...	...	76	...
February .....	2,458	...	...	...	...	...	...	...	...
...	...	55	92	84	90	87	71	87	...
...	...	80	95	93	78	67	83	74	...
...	...	84	106	89	88	91	100	86	...
...	...	85	84	90	97	72	78	85	...
March .....	2,678	...	...	...	...	...	...	...	...
...	...	98	95	84	98	88	81	90	...
...	...	87	103	88	95	74	90	87	...
...	...	82	81	84	87	81	89	78	...
...	...	68	95	86	91	89	71	92	...
April .....	2,610	...	...	...	...	...	...	...	...
...	...	82	112	97	90	85	75	81	...
...	...	94	88	94	95	95	77	73	...
...	...	84	80	87	85	85	94	77	...
...	...	89	103	78	78	88	80	78	...
May .....	2,941	...	...	...	...	...	...	...	...
...	...	66	89	74	96	79	83	81	...
...	...	80	86	76	76	82	81	107	...
...	...	80	86	98	96	85	77	94	...
...	...	96	100	83	101	83	83	82	...
...	...	74	92	95	...	...	...	...	...
June .....	2,544	...	...	...	...	...	...	...	...
...	...	87	96	88	95	78	76	84	...
...	...	87	103	75	89	82	85	69	...
...	...	78	108	84	91	85	88	72	...
...	...	82	92	78	79	76	85	87	...
July .....	2,661	...	...	...	...	...	...	...	...
...	...	98	89	112	88	89	95	69	...
...	...	94	104	88	95	74	86	87	...
...	...	64	97	79	89	87	75	83	...
...	...	92	94	71	83	67	90	72	...
...	...	86	...	...	...	...	...	83	...
August .....	2,642	...	...	...	...	...	...	...	...
...	...	66	81	79	88	82	79	88	...
...	...	88	88	88	92	85	90	82	...
...	...	97	89	102	94	78	81	76	...
...	...	88	98	97	92	95	85	91	...
September .....	2,451	...	...	...	...	...	...	...	...
...	...	78	96	91	83	85	84	68	...
...	...	87	80	89	71	88	84	71	...
...	...	75	95	81	98	73	76	82	...
...	...	77	102	88	60	78	72	94	...
October .....	2,500	...	...	...	...	...	...	...	...
...	...	90	98	89	81	66	82	66	...
...	...	83	112	80	83	67	87	78	...
...	...	92	103	69	89	86	83	84	...
...	...	82	91	71	95	65	58	77	...
...	...	63	71	...	...	...	...	69	...
November .....	2,368	...	...	...	...	...	...	...	...
...	...	85	98	68	85	74	87	80	...
...	...	88	82	83	76	74	78	60	...
...	...	52	71	84	87	80	84	84	...
...	...	69	89	88	83	68	78	64	...
December .....	2,322	...	...	...	...	...	...	...	...
...	...	64	92	100	90	71	61	76	...
...	...	87	82	85	75	70	77	76	...
...	...	71	83	64	59	76	82	75	...
...	...	81	82	80	80	61	61	73	...
...	...	...	...	...	...	78	53	77	...

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Table 1-31. Deaths From Selected Causes, by Date of Death: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975]

Cause of death and month	Total	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Unknown
Homicide and legal intervention (E960-E978)	22,032	3,522	2,891	2,912	2,898	2,824	3,201	3,832	12
January	1,861	54 71 58 50	49 81 50 49	53 52 47 53	50 40 53 62	56 53 47 60	109 70 82 74 64	66 51 66 59 78	3
February	1,601	59 58 60 64	60 54 58 50 42	50 53 60 50	47 46 60 51	55 51 66 46	54 58 57	53 53 70 59	
March	1,723	64 66 51 50	50 38 55 53	45 47 45 55	53 64 60 47	56 49 51 60	51 48 57 50	68 70 83 69	
April	1,704	75 69 56 67	39 51 53 65	60 47 53 52	35 51 56 48	63 60 49 42	56 48 57 64	76 73 59 75 61	1
May	1,763	46 90 63 66	54 49 55 48 58	48 53 58 58 60	44 38 53 45	55 54 63 57	39 71 49 51	81 56 70 77	2
June	1,750	73 68 61 63	61 61 61 52	59 53 49 52	53 51 52 63 59	53 46 50 49 54	47 70 51 59	65 50 82 90	3
July	1,997	62 73 65 66 68	66 52 64 62	74 57 55 46	68 74 56 67	58 60 62 59	63 86 48 85 46	73 112 73 72 67	
August	2,097	76 71 86 97	61 49 79 65 66	74 66 67 52 60	69 56 64 52 47	66 64 47 61	75 83 58 72	78 75 72 90	
September	1,957	71 85 90 84	53 57 66 54	58 68 64 66	52 66 53 54	54 74 51 64 44	68 64 55 56 51	85 83 76 89	2
October	1,885	70 80 75 80 70	65 45 57 57 63	55 50 43 48	48 37 50 57	57 43 48 61	63 55 53 51	86 84 87 85 62	
November	1,795	72 52 59 50	57 51 47 58	59 57 58 73	66 54 58 67 59	48 56 45 57	61 49 56 75	68 66 78 68	1
December	1,899	77 69 67 81	57 54 60 61	56 57 57 53	50 60 67 53	62 51 53 47 54	60 61 55 81 61	70 78 50 77 62	

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Table 1-32. Deaths From Selected Causes, by Marital Status, 10-Year Age Groups, Race, and Sex: United States, 1988

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975]

Cause of death, marital status, race, and sex	15 years and over	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over
<b>All causes</b>								
All races, both sexes	2,112,148	38,167	58,137	77,454	117,472	289,749	488,545	1,061,624
Never married	220,694	32,758	29,232	19,609	14,587	22,203	31,612	70,894
Ever married	1,878,851	5,003	28,823	58,455	101,524	245,450	454,494	987,102
Married	930,551	4,141	20,713	39,803	71,814	172,381	286,715	336,684
Widowed	781,766	105	532	1,564	8,164	35,446	127,988	609,987
Divorced	166,534	787	7,608	16,889	23,446	37,823	39,781	40,431
Not stated	12,803	406	1,082	1,391	1,361	2,096	2,439	3,828
All races, male	1,093,414	28,531	42,985	52,434	73,915	185,388	283,901	446,280
Never married	135,849	25,109	23,082	15,274	10,749	15,637	19,583	26,515
Ever married	948,511	3,084	19,022	35,888	62,003	149,188	262,523	417,715
Married	655,777	2,635	13,656	24,693	45,156	113,958	201,773	254,506
Widowed	185,935	47	215	660	1,805	10,433	146,425	145,425
Divorced	96,799	412	5,151	11,333	14,952	23,777	23,300	17,784
Not stated	9,054	328	861	1,174	1,163	1,683	1,785	2,050
All races, female	1,018,734	9,636	16,152	25,020	43,557	104,361	204,644	615,344
Never married	84,845	7,649	6,150	4,334	3,838	6,666	12,029	44,179
Ever married	930,340	1,809	9,901	20,468	39,521	97,282	191,871	569,387
Married	274,774	1,506	7,057	13,310	26,759	58,423	84,342	82,178
Widowed	585,831	59	287	1,004	4,269	25,013	90,638	484,582
Divorced	69,735	345	2,457	5,555	8,494	13,846	18,381	22,647
Not stated	3,548	78	201	217	198	433	644	1,778
White, both sexes	1,838,522	29,040	42,541	56,790	91,439	224,646	426,636	987,480
Never married	173,888	24,479	19,072	12,305	9,624	16,865	26,587	65,088
Ever married	1,665,847	4,259	22,753	43,517	80,844	206,598	398,348	889,428
Married	825,513	3,475	16,096	29,454	58,736	149,320	257,824	310,608
Widowed	691,336	87	328	914	3,854	28,638	106,782	552,757
Divorced	138,998	697	6,331	13,149	18,354	30,642	33,762	36,063
Not stated	8,787	302	716	878	871	1,383	1,701	2,936
White, male	943,019	21,622	31,354	39,739	57,813	139,051	248,661	404,779
Never married	103,267	18,757	15,607	10,046	7,218	11,593	16,321	23,625
Ever married	833,519	2,623	15,159	27,944	49,639	126,252	232,095	379,607
Married	593,125	2,209	10,657	18,803	36,699	98,796	161,495	234,627
Widowed	170,019	35	138	348	1,157	7,925	30,832	128,686
Divorced	80,375	379	4,368	8,993	11,844	19,631	19,768	15,394
Not stated	6,233	242	588	749	756	1,106	1,245	1,547
White, female	895,503	7,418	11,187	18,021	33,626	85,595	176,975	562,681
Never married	70,621	5,722	3,465	2,319	2,406	4,972	12,266	41,471
Ever married	822,328	1,639	7,594	15,573	31,105	80,346	164,265	519,821
Married	242,388	1,288	5,439	10,651	21,898	50,524	76,329	78,081
Widowed	521,317	52	190	566	2,697	18,811	75,930	423,071
Divorced	58,623	318	1,965	4,155	6,510	11,011	13,994	20,659
Not stated	2,554	60	128	129	115	277	456	1,389
All other, both sexes	273,626	9,127	16,598	20,664	26,033	45,103	61,909	94,164
Never married	46,808	8,279	10,160	7,243	4,963	5,925	10,265	5,898
Ever married	223,004	744	6,070	12,936	20,580	39,852	58,148	87,674
Married	105,038	666	4,617	8,549	13,178	23,081	28,881	26,076
Widowed	90,430	18	176	650	2,310	8,810	21,236	57,230
Divorced	27,536	60	1,277	3,739	5,092	6,991	6,019	4,368
Not stated	3,816	104	366	518	490	713	798	892
All other, male	150,395	6,909	11,631	13,695	16,102	26,317	34,240	41,501
Never married	32,582	6,352	7,475	5,228	3,631	3,844	3,262	2,850
Ever married	114,992	471	5,883	8,042	12,164	21,916	30,428	38,108
Married	72,652	426	2,999	5,480	8,318	15,162	20,278	19,979
Widowed	25,916	12	79	212	738	2,608	6,528	18,739
Divorced	16,424	33	785	2,340	3,108	4,146	3,622	2,390
Not stated	2,821	86	293	425	407	557	550	503
All other, female	123,231	2,218	4,965	6,969	9,931	18,786	27,669	52,663
Never married	14,224	1,927	2,685	2,015	1,432	1,684	1,763	2,708
Ever married	108,012	273	2,207	4,996	8,416	16,938	25,718	49,566
Married	32,386	240	1,618	3,059	4,860	7,899	8,613	6,097
Widowed	84,514	6	97	438	1,572	5,202	14,708	41,491
Divorced	11,112	27	492	1,399	1,984	2,895	2,397	1,978
Not stated	955	18	73	88	83	166	188	389
Black, both sexes	248,304	7,975	15,182	19,025	23,632	41,153	56,461	84,896
Never married	43,390	7,264	9,476	6,888	4,711	5,212	4,725	5,115
Ever married	201,315	626	5,345	11,844	18,456	35,262	51,031	78,951
Married	92,245	561	4,058	7,571	11,663	20,422	25,555	22,515
Widowed	83,340	16	156	603	2,145	8,280	19,780	52,380
Divorced	25,730	49	1,131	3,470	4,748	6,560	5,716	4,056
Not stated	3,599	85	342	483	465	679	705	830
Black, male	135,460	6,056	10,844	12,843	14,881	24,007	30,989	36,440
Never married	29,963	5,893	6,836	4,952	3,303	3,599	3,036	2,484
Ever married	102,847	392	3,436	7,263	10,927	19,873	27,429	33,607
Married	63,733	358	2,663	4,909	7,347	13,474	17,899	17,083
Widowed	23,799	10	67	187	679	2,493	6,104	14,249
Divorced	15,315	24	706	2,177	2,901	3,906	3,426	2,175
Not stated	2,650	71	272	408	391	535	524	449
Black, female	112,844	1,919	4,518	6,382	8,951	17,146	25,472	48,456
Never married	13,427	1,671	2,539	1,936	1,413	1,613	1,689	2,631
Ever married	98,468	234	1,909	4,361	7,529	15,389	23,602	45,444
Married	28,512	203	1,395	2,662	4,216	6,948	7,656	5,432
Widowed	59,541	6	89	406	1,466	5,787	13,696	38,131
Divorced	10,415	25	425	1,293	1,847	2,654	2,290	1,881
Not stated	948	14	70	85	74	144	181	381

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Table 1-32. Deaths From Selected Causes, by Marital Status, 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975]

Cause of death, marital status, race, and sex	15 years and over 1	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over
<b>Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)</b>								
All races, both sexes	483,295	1,884	5,211	15,581	38,766	97,856	150,824	173,383
Never married	33,052	1,583	1,692	2,160	3,184	6,231	7,992	10,210
Ever married	448,668	299	3,498	13,344	35,434	91,028	142,862	162,891
Married	273,532	272	2,830	10,453	27,081	67,099	94,366	71,311
Widowed	195,991	6	26	1,931	5,305	12,043	36,745	64,336
Divorced	39,743	21	643	2,588	6,422	11,886	11,251	7,034
Not stated	1,577	12	21	77	148	397	450	472
All races, male	257,101	1,112	2,558	8,813	19,545	54,201	85,216	87,555
Never married	17,848	960	1,014	1,203	1,919	3,792	4,482	4,259
Ever married	239,400	128	1,531	5,968	17,523	50,136	80,411	83,011
Married	180,567	119	1,302	4,559	13,967	40,744	64,417	55,459
Widowed	97,375	1	5	47	426	2,943	9,847	24,106
Divorced	20,466	8	224	1,062	3,130	6,449	6,147	3,448
Not stated	1,045	4	14	42	103	273	323	286
All races, female	226,194	782	2,652	8,668	19,221	43,455	65,608	85,808
Never married	15,404	603	678	957	1,265	2,438	3,510	5,952
Ever married	210,258	171	1,967	7,678	17,911	40,882	61,971	79,670
Married	92,965	153	1,828	5,884	13,114	26,355	29,969	15,852
Widowed	98,016	5	20	258	9,100	26,988	26,988	60,290
Divorced	19,277	13	319	1,524	3,292	5,437	5,104	3,588
Not stated	832	8	7	35	45	124	127	166
White, both sexes	423,716	1,543	4,210	12,552	31,747	83,714	133,362	158,598
Never married	28,751	1,273	1,250	1,431	2,107	4,759	6,720	9,211
Ever married	395,857	261	2,946	11,075	29,547	78,702	126,314	147,012
Married	244,895	236	2,482	8,819	23,116	59,398	85,535	85,309
Widowed	117,855	5	17	199	1,394	9,556	31,263	75,491
Divorced	33,087	20	447	2,057	5,097	9,748	9,516	6,212
Not stated	1,108	9	14	46	93	253	318	375
White, male	223,696	918	2,130	5,556	15,714	48,221	74,833	78,326
Never married	13,764	801	805	923	1,229	2,818	3,624	3,664
Ever married	209,213	113	1,317	4,706	14,420	43,227	70,990	74,440
Married	160,045	104	1,121	3,821	11,740	35,714	67,907	50,538
Widowed	31,482	1	3	30	271	2,231	7,885	20,868
Divorced	18,788	8	193	852	2,408	5,282	5,098	2,944
Not stated	719	2	8	27	65	178	219	222
White, female	200,020	627	2,080	6,996	16,033	37,493	58,519	78,272
Never married	12,957	472	445	608	878	1,941	3,096	5,547
Ever married	186,644	148	1,629	6,388	15,127	35,475	55,324	72,572
Married	83,850	132	1,361	4,998	11,376	23,884	27,628	14,771
Widowed	96,385	4	14	168	1,063	7,325	23,278	54,533
Divorced	16,311	12	254	1,205	2,668	4,466	4,416	3,288
Not stated	389	7	8	19	28	77	99	153
All other, both sexes	59,579	351	1,001	3,029	7,019	13,942	17,472	18,785
Never married	6,301	310	442	729	1,077	1,472	1,272	999
Ever married	52,099	38	552	2,289	5,887	12,326	16,068	15,669
Married	28,637	36	448	1,634	3,865	7,701	8,851	6,002
Widowed	17,528	1	8	106	597	2,487	5,482	8,845
Divorced	6,848	1	96	529	1,325	2,136	1,795	822
Not stated	469	3	7	31	55	144	132	97
All other, male	33,405	186	429	1,357	3,831	7,980	10,389	9,229
Never married	3,884	179	209	380	690	974	858	594
Ever married	29,195	15	214	962	3,103	6,909	9,421	8,571
Married	19,822	15	181	738	2,227	5,030	6,510	4,921
Widowed	5,893	—	2	14	166	712	1,862	3,148
Divorced	3,680	—	31	210	721	1,167	1,049	502
Not stated	326	2	6	15	38	87	104	64
All other, female	26,174	155	572	1,672	3,188	5,962	7,089	7,538
Never married	2,417	131	233	349	387	498	414	405
Ever married	23,614	23	338	1,307	2,784	5,417	6,647	7,098
Married	9,015	21	287	896	1,738	2,671	2,341	1,081
Widowed	11,633	1	6	92	442	1,776	3,820	5,697
Divorced	2,966	1	65	319	604	971	886	320
Not stated	143	1	1	16	17	47	28	33
Black, both sexes	53,704	305	872	2,658	6,231	12,579	15,921	15,140
Never married	5,092	299	400	683	1,024	1,387	1,195	924
Ever married	47,995	35	468	1,944	5,158	11,069	14,802	14,129
Married	24,915	33	373	1,345	3,347	6,704	7,852	5,281
Widowed	18,159	1	8	98	558	2,322	5,086	8,088
Divorced	6,321	1	87	501	1,253	2,033	1,664	782
Not stated	427	1	4	29	48	133	124	87
Black, male	30,187	168	363	1,180	3,490	7,268	9,488	8,281
Never married	3,616	155	181	355	665	927	800	533
Ever married	26,273	13	179	812	2,781	6,247	8,569	7,692
Married	17,245	13	148	600	1,824	4,437	5,813	4,310
Widowed	5,506	—	2	14	147	686	1,748	2,909
Divorced	3,522	—	29	198	600	1,124	1,008	473
Not stated	298	1	3	13	94	82	89	58
Black, female	23,517	136	509	1,478	2,771	5,313	6,453	6,859
Never married	2,266	114	359	328	359	480	385	391
Ever married	21,122	22	269	1,132	2,397	4,812	6,033	6,437
Married	7,670	20	225	745	1,423	2,287	2,039	851
Widowed	10,653	1	6	84	411	1,636	3,338	5,177
Divorced	2,799	1	58	303	563	909	658	309
Not stated	129	—	1	16	15	41	25	31

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Table 1-32. Deaths From Selected Causes, by Marital Status, 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975]

Cause of death, marital status, race, and sex	15 years and over	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over
<b>Diseases of heart (390-398,402,404-429)</b>								
All races, both sexes	763,501	1,090	3,575	12,070	31,758	87,514	176,128	451,368
Never married	58,024	925	1,575	2,405	3,558	7,373	12,003	30,185
Ever married	701,497	152	1,908	9,566	27,804	79,423	163,103	419,381
Married	324,297	194	1,530	6,958	20,369	56,624	103,739	194,523
Widowed	326,685	4	25	208	1,523	10,890	45,641	268,274
Divorced	50,535	14	413	2,400	5,982	11,809	13,723	16,184
Not stated	9,980	13	32	89	296	718	1,020	1,802
All races, male	384,480	709	2,455	9,072	23,483	60,170	107,888	180,683
Never married	30,838	636	1,139	1,826	2,708	5,545	7,761	11,023
Ever married	351,186	69	1,307	7,167	20,621	54,038	99,865	169,732
Married	242,284	59	1,025	5,343	16,824	42,059	76,713	101,481
Widowed	78,918	1	5	71	540	3,749	14,171	60,381
Divorced	29,994	6	277	1,753	4,357	8,230	8,481	6,630
Not stated	2,946	7	19	79	254	587	762	938
All races, female	379,021	381	1,110	2,998	8,275	27,344	68,238	270,675
Never married	27,386	289	436	579	850	1,828	4,242	10,162
Ever married	350,301	86	661	2,399	7,383	25,385	63,738	250,649
Married	62,013	75	505	1,615	4,765	14,585	27,028	33,482
Widowed	247,747	3	137	993	7,241	31,470	207,693	191,479
Divorced	20,541	8	136	647	1,635	3,579	5,242	8,294
Not stated	1,334	8	13	20	42	131	258	864
White, both sexes	677,379	734	2,403	8,854	24,889	72,818	154,284	418,427
Never married	49,189	609	909	1,434	2,381	5,678	10,217	27,981
Ever married	625,315	118	1,476	7,382	22,317	68,684	143,327	384,051
Married	291,427	103	1,140	5,425	18,796	49,089	93,714	125,154
Widowed	281,499	4	15	89	882	8,086	37,959	244,474
Divorced	42,389	11	315	1,838	4,639	9,509	11,654	14,423
Not stated	2,875	7	18	58	181	476	740	1,395
White, male	340,877	479	1,688	6,992	19,082	51,354	98,099	165,203
Never married	25,118	431	687	1,170	1,882	4,375	6,648	9,927
Ever married	313,566	46	1,001	5,743	17,042	46,584	88,898	154,552
Married	219,156	40	777	4,286	13,190	36,932	69,750	94,179
Widowed	69,543	1	4	44	324	2,858	11,911	54,401
Divorced	25,167	5	220	1,411	3,520	6,784	7,237	5,972
Not stated	1,893	2	10	49	158	395	555	724
White, female	336,502	255	705	1,892	5,777	21,464	58,165	246,224
Never married	24,071	178	222	264	479	1,303	3,571	16,054
Ever married	311,449	72	475	1,619	5,275	20,080	54,420	228,468
Married	72,271	63	369	1,137	3,808	12,157	23,964	30,976
Widowed	221,958	3	11	55	558	5,208	29,048	190,073
Divorced	17,222	6	95	427	1,111	2,715	4,417	8,451
Not stated	982	5	8	9	23	81	185	671
All other, both sexes	86,122	358	1,172	3,218	6,889	14,696	21,842	37,941
Never married	6,535	316	666	971	1,187	1,695	1,788	2,204
Ever married	76,182	34	492	2,204	5,687	12,759	19,776	35,530
Married	32,870	31	384	1,533	3,993	7,595	10,025	8,769
Widowed	35,168	-	10	109	641	2,924	7,692	23,600
Divorced	8,146	3	98	562	1,353	2,300	2,069	1,761
Not stated	1,105	6	14	41	115	242	280	407
All other, male	43,603	230	767	2,110	4,401	8,818	11,789	15,490
Never married	5,820	205	452	656	828	1,170	1,115	1,098
Ever married	37,330	20	308	1,424	3,479	7,454	10,467	14,180
Married	23,128	18	248	1,055	2,434	5,127	6,963	7,282
Widowed	9,376	-	1	27	218	891	2,280	5,880
Divorced	4,827	1	57	342	829	1,436	1,244	918
Not stated	753	5	9	30	98	192	207	214
All other, female	42,519	128	405	1,108	2,488	5,880	10,053	22,451
Never married	3,318	111	214	315	371	625	671	1,108
Ever married	39,852	14	180	790	2,108	5,305	9,309	21,150
Married	9,742	12	138	478	1,159	2,408	3,062	2,487
Widowed	25,791	-	9	82	425	2,033	5,422	17,920
Divorced	3,319	2	41	220	524	884	825	843
Not stated	352	1	8	11	19	50	73	193
Black, both sexes	79,013	338	1,099	3,014	6,410	13,687	20,062	34,505
Never married	6,338	301	634	932	1,183	1,585	1,688	2,025
Ever married	69,823	29	451	2,041	5,138	11,761	18,105	32,088
Married	29,224	26	350	1,394	3,264	6,782	8,884	8,504
Widowed	32,705	-	10	108	807	2,781	7,230	21,959
Divorced	7,694	3	91	539	1,267	2,178	1,881	1,635
Not stated	1,052	6	14	41	109	231	269	392
Black, male	39,335	214	716	1,861	4,041	8,072	10,670	13,661
Never married	5,119	192	429	624	801	1,088	1,036	947
Ever married	33,507	17	278	1,307	3,148	6,800	8,435	12,522
Married	20,358	16	224	951	2,180	4,588	6,130	6,267
Widowed	8,833	-	1	27	201	852	2,127	5,425
Divorced	4,518	1	53	329	767	1,360	1,178	830
Not stated	709	5	9	30	92	184	197	192
Black, female	39,678	122	383	1,053	2,369	5,515	9,392	20,844
Never married	3,219	109	205	308	362	507	650	1,078
Ever married	36,116	12	178	734	1,990	4,981	8,670	19,576
Married	8,868	10	126	443	1,084	2,204	2,784	2,237
Widowed	24,072	-	9	81	406	1,939	5,103	16,534
Divorced	3,176	2	36	210	500	818	603	805
Not stated	343	1	5	11	17	47	72	190



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Table 1-32. Deaths From Selected Causes, by Marital Status, 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975]

Cause of death, marital status, race, and sex	15 years and over	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over
<b>Cerebrovascular diseases (430-438)</b>								
All races, both sexes	160,229	266	969	2,423	4,630	11,196	27,694	103,051
Never married	10,897	189	400	469	520	979	1,781	6,539
Ever married	138,805	84	553	1,939	4,070	10,130	25,788	88,283
Married	56,310	50	438	1,347	2,919	6,892	15,372	29,292
Widowed	73,520	6	7	68	300	1,893	8,091	63,385
Divorced	8,875	8	108	534	851	1,545	2,323	9,606
Not stated	527	3	16	15	40	87	117	249
All races, male	59,616	144	521	1,312	2,470	6,116	14,024	35,029
Never married	4,514	118	257	273	335	637	1,009	1,885
Ever married	54,802	24	255	1,026	2,104	5,414	12,635	33,044
Married	36,840	20	204	725	1,570	4,084	9,611	20,426
Widowed	13,799	2	3	11	68	425	1,910	11,380
Divorced	4,163	2	48	290	466	905	1,214	1,238
Not stated	302	2	9	13	31	67	80	100
All races, female	90,611	122	448	1,111	2,160	5,078	13,670	68,022
Never married	6,383	81	143	186	185	342	782	4,654
Ever married	84,003	40	298	913	1,966	4,716	12,851	63,219
Married	19,470	30	234	622	1,349	2,608	5,581	8,868
Widowed	59,721	4	4	47	232	1,288	6,181	51,985
Divorced	4,812	6	60	244	385	640	1,109	2,368
Not stated	225	1	7	2	9	20	37	149
White, both sexes	129,884	207	613	1,518	3,114	8,300	22,761	93,371
Never married	8,294	147	202	219	261	641	1,461	6,063
Ever married	120,550	69	402	1,290	2,829	7,610	21,234	87,126
Married	48,750	46	319	930	2,083	5,434	13,133	28,795
Widowed	64,595	6	4	21	157	1,057	6,234	57,116
Divorced	7,205	7	79	339	579	1,119	1,887	3,215
Not stated	340	1	9	9	24	49	66	182
White, male	50,598	116	331	822	1,642	4,577	11,648	31,462
Never married	3,441	94	136	134	171	414	825	1,667
Ever married	46,974	21	190	680	1,453	4,126	10,776	29,728
Married	31,988	17	150	495	1,099	3,199	8,378	18,656
Widowed	11,732	2	1	3	34	261	1,429	10,002
Divorced	3,254	2	39	182	328	668	969	1,070
Not stated	183	1	5	8	18	37	47	67
White, female	79,266	91	282	696	1,472	3,723	11,113	61,909
Never married	5,559	59	66	65	90	227	696	4,396
Ever married	73,576	38	212	610	1,376	3,484	10,458	57,399
Married	16,762	29	169	435	1,000	2,235	4,755	8,139
Widowed	52,863	4	3	18	123	796	4,805	47,114
Divorced	3,951	5	40	157	253	453	898	2,145
Not stated	157	-	4	1	6	12	19	115
All other, both sexes	20,345	59	356	905	1,516	2,898	4,933	8,680
Never married	1,903	52	198	250	259	338	330	476
Ever married	18,255	5	151	649	1,241	2,520	4,552	8,137
Married	7,560	4	118	417	828	1,458	2,239	2,497
Widowed	8,825	-	3	37	143	636	1,857	6,249
Divorced	1,770	1	29	195	272	426	456	991
Not stated	187	2	7	6	16	38	51	67
All other, male	9,020	28	190	490	828	1,541	2,376	3,567
Never married	1,073	24	121	138	164	223	184	218
Ever married	7,828	3	65	346	651	1,288	2,159	3,316
Married	4,852	3	54	230	477	885	1,433	1,770
Widowed	2,067	-	2	8	34	164	481	1,378
Divorced	909	-	9	108	140	239	245	168
Not stated	119	1	4	5	13	30	33	33
All other, female	11,325	31	166	415	688	1,355	2,557	6,113
Never married	830	28	77	111	95	115	146	256
Ever married	10,427	2	66	303	590	1,232	2,393	5,821
Married	2,708	1	65	187	349	573	806	727
Widowed	6,858	-	1	29	109	472	1,376	4,871
Divorced	661	1	20	87	132	187	211	223
Not stated	68	1	3	1	3	8	18	34
Black, both sexes	18,396	55	330	833	1,970	2,656	4,495	8,857
Never married	1,778	48	182	240	322	322	313	430
Ever married	16,440	5	141	587	1,112	2,297	4,133	8,185
Married	6,826	4	110	369	721	1,301	1,882	2,139
Widowed	8,161	-	3	37	136	593	1,718	5,666
Divorced	1,863	1	28	181	255	403	435	390
Not stated	178	2	7	6	15	37	49	82
Black, male	8,059	25	175	449	763	1,419	2,150	3,078
Never married	975	21	111	131	154	210	171	177
Ever married	6,974	3	60	313	597	1,180	1,948	2,879
Married	4,232	3	49	203	430	795	1,265	1,487
Widowed	1,884	-	2	8	33	156	450	1,235
Divorced	858	-	9	102	134	229	233	151
Not stated	110	1	4	5	12	29	31	28
Black, female	10,337	30	155	384	607	1,237	2,345	5,579
Never married	803	27	71	109	89	112	142	253
Ever married	9,468	2	81	274	515	1,117	2,185	5,292
Married	2,394	1	61	186	291	506	717	852
Widowed	6,267	-	1	29	103	437	1,268	4,431
Divorced	805	1	19	79	121	174	202	209
Not stated	68	1	3	1	3	8	18	34

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Table 1-32. Deaths From Selected Causes, by Marital Status, 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975]

Cause of death, marital status, race, and sex	15 years and over 1	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over
<b>Chronic obstructive pulmonary diseases and allied conditions (480-496)</b>								
All races, both sexes	82,640	178	300	630	2,259	10,859	27,185	41,429
Never married	5,391	157	179	164	285	788	1,486	2,372
Ever married	76,833	19	117	455	1,926	9,808	25,601	38,909
Married	39,097	16	90	284	1,162	5,088	14,856	16,481
Widowed	29,838	-	2	16	168	1,732	7,736	20,122
Divorced	7,908	3	25	145	586	1,968	2,847	2,308
Not stated	416	2	4	11	30	85	126	148
All races, male	48,811	99	157	329	1,202	6,163	16,380	24,501
Never married	3,443	91	105	104	208	579	1,040	1,310
Ever married	45,058	6	50	217	962	5,520	15,218	23,083
Married	29,515	6	37	135	609	3,844	10,975	13,908
Widowed	10,933	-	2	2	40	483	2,524	7,882
Divorced	4,608	-	11	80	313	1,193	1,719	1,282
Not stated	312	2	2	8	32	64	102	102
All races, female	33,829	79	143	301	1,057	4,496	10,825	16,928
Never married	1,948	66	74	60	87	188	418	1,058
Ever married	31,777	13	67	239	984	4,288	10,383	15,828
Married	8,572	10	53	159	553	2,244	3,981	2,572
Widowed	16,905	-	-	14	128	1,248	5,274	12,240
Divorced	3,300	3	14	65	293	793	1,128	1,014
Not stated	104	-	2	3	6	21	26	46
White, both sexes	76,550	100	175	406	1,823	9,594	25,258	39,253
Never married	4,604	84	98	89	203	619	1,294	2,217
Ever married	71,618	16	76	313	1,597	8,844	23,962	36,911
Married	36,450	13	58	211	970	5,548	14,000	15,049
Widowed	27,968	-	2	9	126	1,522	7,224	18,110
Divorced	7,178	3	16	93	501	1,773	2,838	2,152
Not stated	327	-	1	4	23	71	103	125
White, male	44,746	49	83	208	962	5,473	15,012	22,959
Never married	2,881	45	54	59	145	469	910	1,199
Ever married	41,818	4	29	148	797	4,948	14,021	21,673
Married	27,438	4	20	98	497	3,464	10,200	13,155
Widowed	10,057	-	2	1	32	420	2,257	7,345
Divorced	4,125	-	6	49	208	1,065	1,584	1,173
Not stated	247	-	1	3	20	55	81	87
White, female	31,804	51	92	198	861	4,061	10,247	16,294
Never married	1,723	39	44	30	58	150	384	1,016
Ever married	30,001	12	48	167	800	3,885	8,841	15,238
Married	9,014	9	38	115	473	2,085	3,800	2,494
Widowed	17,938	-	-	8	94	1,102	4,967	11,785
Divorced	3,051	3	10	44	233	708	1,074	979
Not stated	88	-	-	1	3	16	22	38
All other, both sexes	6,090	78	125	224	436	1,125	1,925	2,176
Never married	787	73	81	75	92	149	162	155
Ever married	5,214	3	41	142	329	862	1,739	1,988
Married	2,837	3	32	83	192	539	856	832
Widowed	1,846	-	-	7	42	210	574	1,012
Divorced	732	-	9	52	95	213	209	154
Not stated	89	2	3	7	15	14	25	23
All other, male	4,065	50	74	121	240	690	1,348	1,542
Never married	562	46	51	45	63	110	130	117
Ever married	3,498	2	22	71	165	571	1,197	1,410
Married	2,079	2	17	39	112	380	775	764
Widowed	876	-	-	1	8	83	267	587
Divorced	483	-	5	31	45	128	155	119
Not stated	65	2	1	5	12	9	21	15
All other, female	2,025	28	51	103	196	435	578	634
Never married	225	27	30	30	29	39	32	36
Ever married	1,776	1	19	71	164	391	542	588
Married	558	1	15	44	80	159	181	78
Widowed	869	-	-	6	34	147	307	475
Divorced	249	-	4	21	50	85	54	35
Not stated	24	-	2	2	3	5	4	8
Black, both sexes	5,397	69	115	213	406	1,028	1,727	1,839
Never married	727	64	76	74	85	141	152	135
Ever married	4,589	3	37	133	306	875	1,553	1,682
Married	2,266	3	28	77	176	476	833	673
Widowed	1,646	-	-	6	41	195	527	877
Divorced	677	-	9	50	89	204	193	132
Not stated	81	2	2	6	15	12	22	22
Black, male	3,604	44	67	117	225	631	1,218	1,302
Never married	512	40	46	44	59	105	121	97
Ever married	3,032	2	20	89	154	517	1,079	1,191
Married	1,784	2	15	38	102	333	681	613
Widowed	796	-	-	1	8	60	252	475
Divorced	452	-	5	30	44	124	146	103
Not stated	60	2	1	4	12	9	18	14
Black, female	1,793	25	48	96	181	397	509	537
Never married	215	24	30	30	26	36	31	38
Ever married	1,557	1	17	64	152	358	474	491
Married	482	1	13	39	74	143	152	60
Widowed	850	-	-	5	33	135	275	402
Divorced	225	-	4	20	45	80	47	29
Not stated	21	-	1	2	3	3	4	8

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Table 1-32. Deaths From Selected Causes, by Marital Status, 10-Year Age Groups, Race, and Sex: United States, 1988-Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975]

Cause of death, marital status, race, and sex	15 years and over	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over
<b>Accidents and adverse effects (E800-E949)</b>								
<b>All races, both sexes</b>	88,959	18,807	16,728	11,551	7,514	7,663	8,971	18,025
Never married	28,728	15,882	6,920	2,143	884	752	745	1,400
Ever married	59,193	2,470	9,574	9,222	6,486	6,783	8,125	16,593
Married	33,839	2,020	6,790	5,851	4,340	4,479	4,738	5,523
Widowed	14,516	45	149	227	348	1,007	2,463	10,238
Divorced	10,838	405	2,836	3,044	1,799	1,287	838	722
Not stated	1,040	155	234	166	144	128	101	82
<b>All races, male</b>	60,850	14,195	13,102	8,871	5,524	5,260	5,449	8,240
Never married	22,485	12,436	5,821	1,781	734	605	510	538
Ever married	37,288	1,624	7,076	6,928	4,662	4,583	4,859	7,598
Married	25,012	1,388	5,102	4,521	3,213	3,248	3,380	4,180
Widowed	4,828	19	59	109	152	347	889	3,053
Divorced	7,648	217	1,915	2,296	1,297	959	610	359
Not stated	879	135	205	164	128	111	80	58
<b>All races, female</b>	28,309	4,312	3,626	2,680	1,990	2,394	3,522	9,785
Never married	6,241	3,446	1,099	362	180	147	235	802
Ever married	21,907	846	2,498	2,296	1,824	2,230	3,286	8,947
Married	9,827	632	1,688	1,430	1,127	1,231	1,376	1,349
Widowed	9,888	26	89	118	196	660	1,584	7,235
Divorced	3,192	188	721	749	501	339	328	389
Not stated	161	20	29	22	16	17	21	36
<b>White, both sexes</b>	75,099	15,889	13,707	9,195	6,048	6,302	7,648	16,310
Never married	23,234	13,516	5,285	1,421	591	545	596	1,280
Ever married	51,084	2,239	8,237	7,638	5,358	5,809	6,989	14,954
Married	29,110	1,806	5,759	4,896	3,819	3,816	4,186	5,048
Widowed	12,609	41	107	172	248	759	2,030	9,254
Divorced	9,363	392	2,371	2,570	1,493	1,094	793	852
Not stated	781	134	185	138	99	88	83	76
<b>White, male</b>	50,600	12,147	10,804	7,093	4,398	4,274	4,590	7,334
Never married	16,142	10,569	4,932	1,206	488	423	399	525
Ever married	31,798	1,459	6,110	5,757	3,822	3,774	4,112	6,764
Married	21,375	1,234	4,342	3,719	2,649	2,723	2,913	3,795
Widowed	3,840	17	37	85	107	245	690	2,689
Divorced	6,583	208	1,731	1,953	1,066	806	509	310
Not stated	660	119	162	120	88	77	49	45
<b>White, female</b>	24,499	3,742	2,903	2,112	1,650	2,028	3,088	8,976
Never married	5,092	2,947	763	215	103	122	197	765
Ever married	19,288	780	2,127	1,881	1,536	1,895	2,877	8,190
Married	7,735	572	1,417	1,177	970	1,093	1,253	1,268
Widowed	8,769	24	70	87	139	514	1,340	6,595
Divorced	2,782	184	640	617	427	288	284	342
Not stated	121	16	23	16	11	11	14	31
<b>All other, both sexes</b>	13,860	2,618	3,021	2,356	1,466	1,361	1,323	1,715
Never married	5,492	2,366	1,635	722	293	207	149	120
Ever married	8,109	231	1,337	1,584	1,128	1,114	1,136	1,579
Married	4,729	214	1,031	1,055	721	683	570	475
Widowed	1,907	4	41	55	102	248	423	1,084
Divorced	1,473	13	265	474	305	203	143	70
Not stated	259	21	49	50	45	40	38	16
<b>All other, male</b>	10,050	2,048	2,298	1,788	1,128	995	889	906
Never married	4,343	1,967	1,289	575	246	182	111	79
Ever married	5,488	165	966	1,169	840	779	747	822
Married	3,637	154	760	802	584	525	447	385
Widowed	788	2	22	24	45	102	199	394
Divorced	1,063	9	184	343	231	152	101	43
Not stated	219	16	43	44	40	34	31	11
<b>All other, female</b>	3,810	570	723	568	340	368	434	809
Never married	1,149	499	348	147	47	25	38	47
Ever married	2,621	66	371	415	298	335	399	767
Married	1,092	60	271	253	157	138	123	90
Widowed	1,119	2	31	57	148	148	224	840
Divorced	410	4	81	131	74	51	42	27
Not stated	40	5	6	6	5	8	7	5
<b>Black, both sexes</b>	11,627	2,009	2,530	2,021	1,289	1,171	1,194	1,479
Never married	4,589	1,826	1,398	648	275	181	132	168
Ever married	6,822	168	1,089	1,326	966	950	967	1,358
Married	3,892	157	850	889	610	558	471	377
Widowed	1,666	4	33	40	88	217	388	915
Divorced	1,264	7	206	417	267	175	128	84
Not stated	236	15	42	47	42	40	35	15
<b>Black, male</b>	8,444	1,592	1,920	1,551	991	867	757	768
Never married	3,606	1,463	1,086	511	228	159	88	61
Ever married	4,637	118	798	998	725	674	630	694
Married	3,036	113	633	676	494	452	388	310
Widowed	680	2	18	18	40	93	175	346
Divorced	911	3	149	304	201	129	87	38
Not stated	201	11	38	42	38	34	29	11
<b>Black, female</b>	3,183	417	610	470	292	304	377	713
Never married	983	363	313	137	47	22	34	47
Ever married	2,185	50	291	328	241	276	337	662
Married	856	44	217	193	128	106	103	87
Widowed	976	2	17	22	49	124	193	569
Divorced	353	4	57	113	66	46	41	28
Not stated	35	4	6	5	4	6	6	4

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Table 1-32. Deaths From Selected Causes, by Marital Status, 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975]

Cause of death, marital status, race, and sex	15 years and over	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over
<b>Motor vehicle accidents (E810-E825)</b>								
<b>All races, both sexes</b>	45,390	14,406	10,433	6,147	3,825	3,420	3,429	3,730
Never married	18,390	12,422	4,045	873	337	248	213	252
Ever married	26,626	1,905	6,295	5,208	3,441	3,137	3,186	3,452
Married	17,503	1,540	4,480	3,470	2,422	2,181	1,923	1,487
Widowed	3,653	38	104	129	184	430	957	1,811
Divorced	5,470	327	1,711	1,609	835	526	308	184
Not stated	374	79	83	88	47	35	28	26
<b>All races, male</b>	32,020	10,699	7,000	4,487	2,649	2,202	2,024	2,054
Never married	14,252	9,436	3,355	712	273	185	143	138
Ever married	17,442	1,185	4,475	3,716	2,332	1,980	1,858	1,896
Married	12,303	1,005	3,236	2,496	1,694	1,492	1,309	1,081
Widowed	1,399	16	36	61	81	130	349	728
Divorced	3,740	164	1,203	1,159	557	368	200	89
Not stated	326	88	79	59	44	33	23	20
<b>All races, female</b>	13,370	3,717	2,524	1,660	1,176	1,212	1,405	1,676
Never married	4,138	2,986	680	181	64	53	70	114
Ever married	9,184	720	1,820	1,492	1,109	1,157	1,330	1,558
Married	5,200	635	1,244	974	728	699	614	406
Widowed	2,254	22	68	68	103	300	608	1,085
Divorced	1,730	163	508	450	278	158	108	65
Not stated	48	11	14	7	3	2	5	6
<b>White, both sexes</b>	39,089	12,820	8,784	5,086	3,218	2,822	3,012	3,417
Never married	15,489	10,810	3,218	617	249	193	168	234
Ever married	23,280	1,741	5,490	4,425	2,937	2,703	2,825	3,159
Married	15,186	1,388	3,851	2,920	2,071	1,897	1,710	1,359
Widowed	3,213	36	77	105	145	351	849	1,650
Divorced	4,871	317	1,562	1,400	721	455	268	150
Not stated	280	69	76	44	32	28	19	24
<b>White, male</b>	27,348	9,329	6,671	3,709	2,208	1,883	1,728	1,844
Never married	12,002	8,200	2,700	510	205	153	109	125
Ever married	15,094	1,059	3,908	3,158	1,870	1,888	1,602	1,701
Married	10,579	897	2,784	2,090	1,433	1,265	1,140	970
Widowed	1,501	15	24	54	66	103	295	644
Divorced	3,314	157	1,100	1,014	471	318	167	87
Not stated	252	60	63	41	31	24	15	18
<b>White, female</b>	11,711	3,291	2,113	1,377	1,012	1,059	1,286	1,573
Never married	3,487	2,610	518	107	44	40	59	109
Ever married	8,188	672	1,582	1,287	967	1,017	1,223	1,458
Married	4,617	491	1,067	830	638	632	570	389
Widowed	2,012	21	53	51	79	248	554	1,008
Divorced	1,557	160	462	386	250	137	99	63
Not stated	38	9	13	3	1	2	4	6
<b>All other, both sexes</b>	5,331	1,788	1,649	1,061	607	498	417	313
Never married	2,971	1,612	555	256	85	55	45	18
Ever married	3,348	164	805	783	504	434	383	293
Married	2,507	152	620	550	351	284	213	128
Widowed	440	2	27	24	39	79	108	161
Divorced	589	10	149	209	114	71	42	4
Not stated	84	10	17	22	15	9	9	2
<b>All other, male</b>	4,672	1,380	1,238	776	449	345	288	210
Never married	2,250	1,236	655	202	68	42	34	13
Ever married	2,348	116	567	558	382	294	256	195
Married	1,724	108	452	406	261	217	189	111
Widowed	198	1	12	7	15	27	54	82
Divorced	426	7	103	145	86	50	33	2
Not stated	74	8	16	18	13	9	8	2
<b>All other, female</b>	1,659	426	411	283	164	153	119	103
Never married	651	376	172	54	20	13	11	5
Ever married	998	48	238	225	142	140	107	98
Married	583	44	177	144	80	67	44	17
Widowed	242	1	15	17	24	52	54	79
Divorced	173	3	46	84	28	21	9	2
Not stated	10	2	1	4	2	1	1	-
<b>Black, both sexes</b>	4,986	1,328	1,320	857	495	407	329	250
Never married	2,290	1,206	676	221	81	51	40	15
Ever married	2,625	116	630	617	401	347	281	233
Married	1,801	109	497	429	275	223	156	102
Widowed	335	2	22	12	30	62	80	127
Divorced	489	5	111	176	96	62	35	4
Not stated	71	6	14	19	13	9	8	2
<b>Black, male</b>	3,748	1,030	896	647	388	293	244	189
Never married	1,788	944	529	173	61	39	32	10
Ever married	1,895	81	454	458	296	245	204	157
Married	1,384	78	363	332	209	178	135	91
Widowed	156	1	8	2	13	25	42	64
Divorced	355	2	82	124	74	44	27	2
Not stated	65	5	13	16	12	9	8	2
<b>Black, female</b>	1,238	298	324	210	128	114	85	81
Never married	502	262	147	48	20	12	8	5
Ever married	730	35	176	159	105	102	77	76
Married	417	31	134	97	66	47	31	11
Widowed	179	1	13	10	17	37	38	63
Divorced	134	3	29	52	22	18	8	2
Not stated	6	1	1	3	1	-	-	-

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Table 1-32. Deaths From Selected Causes, by Marital Status, 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975]

Cause of death, marital status, race, and sex	15 years and over	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over
All other accidents and adverse effects (E800-E807, E826-E849)								
All races, both sexes	43,669	4,101	6,295	5,404	3,689	4,243	5,542	14,295
Never married	10,336	3,460	2,875	1,270	547	504	532	1,140
Ever married	32,567	565	3,279	4,014	3,045	3,646	4,937	13,081
Married	16,336	480	2,510	2,481	1,918	2,298	2,813	4,036
Widowed	10,863	7	44	88	184	577	1,486	6,477
Divorced	5,368	78	925	1,435	963	771	628	580
Not stated	666	76	141	120	97	93	73	86
All races, male	28,830	3,506	5,183	4,384	2,875	3,091	3,425	6,188
Never married	8,233	3,000	2,466	1,069	461	410	367	480
Ever married	19,844	439	2,601	3,210	2,330	2,673	3,001	5,690
Married	12,709	383	1,866	2,025	1,519	1,786	2,051	3,099
Widowed	3,229	3	23	48	71	217	540	2,327
Divorced	3,906	63	712	1,137	740	590	410	264
Not stated	553	67	128	105	84	78	57	38
All races, female	14,999	595	1,102	1,020	814	1,192	2,117	8,109
Never married	2,103	460	409	201	86	84	165	688
Ever married	12,723	128	678	804	715	1,073	1,938	7,391
Married	3,627	97	444	458	399	532	762	937
Widowed	7,634	4	21	59	93	360	956	6,150
Divorced	1,462	25	213	298	223	181	218	304
Not stated	113	8	15	15	13	15	18	30
White, both sexes	36,040	3,269	4,923	4,109	2,830	3,380	4,638	12,893
Never married	7,745	2,706	2,067	804	342	352	428	1,046
Ever married	27,904	498	2,747	3,213	2,421	2,966	4,164	11,795
Married	13,914	418	1,908	1,978	1,548	1,919	2,456	3,089
Widowed	9,396	5	30	67	101	408	1,181	7,804
Divorced	4,494	75	809	1,170	772	639	527	502
Not stated	491	65	109	92	87	82	44	52
White, male	23,252	2,918	4,133	3,374	2,192	2,411	2,834	5,490
Never married	6,140	2,368	1,832	698	283	270	290	400
Ever married	16,704	390	2,202	2,599	1,852	2,088	2,510	5,083
Married	10,798	337	1,558	1,829	1,216	1,458	1,773	2,825
Widowed	2,639	2	13	31	41	142	395	2,015
Divorced	3,269	51	631	839	595	488	342	223
Not stated	408	59	89	79	57	53	34	27
White, female	12,788	451	790	735	638	969	1,802	7,403
Never married	1,605	337	295	109	59	82	138	646
Ever married	11,100	108	545	614	569	878	1,654	6,732
Married	3,118	81	350	347	332	461	683	884
Widowed	6,757	3	17	36	60	266	786	5,589
Divorced	1,225	24	178	231	177	151	185	279
Not stated	83	6	10	13	10	9	10	25
All other, both sexes	7,629	832	1,372	1,295	859	863	906	1,402
Never married	2,591	754	808	466	205	152	104	102
Ever married	4,763	67	532	801	624	680	773	1,286
Married	2,422	62	402	505	370	379	357	347
Widowed	1,467	2	14	31	83	169	315	673
Divorced	874	3	116	285	191	132	101	66
Not stated	175	11	32	28	30	31	29	14
All other, male	5,378	688	1,060	1,010	693	650	591	896
Never married	2,093	631	834	373	178	140	77	60
Ever married	3,140	49	399	611	478	485	491	827
Married	1,913	46	308	396	303	308	278	274
Widowed	580	1	10	17	39	76	146	812
Divorced	637	2	81	198	145	102	68	41
Not stated	145	8	27	26	27	25	23	9
All other, female	2,181	144	312	285	176	213	316	706
Never married	498	123	174	93	27	12	27	42
Ever married	1,623	18	133	190	148	195	282	659
Married	509	18	94	109	67	71	79	73
Widowed	877	1	4	14	33	94	170	561
Divorced	237	1	35	67	48	30	33	25
Not stated	30	3	5	2	3	6	6	5
Black, both sexes	6,641	691	1,210	1,164	788	764	805	1,229
Never married	2,279	620	723	427	194	130	92	83
Ever married	4,197	52	459	709	565	603	680	1,123
Married	2,091	48	353	440	335	335	305	275
Widowed	1,331	2	11	28	59	155	288	788
Divorced	775	2	95	241	171	113	93	60
Not stated	165	9	28	28	29	31	27	13
Black, male	4,696	562	924	904	622	574	513	597
Never married	1,818	519	557	338	167	120	66	51
Ever married	2,742	37	344	540	429	429	426	537
Married	1,652	35	270	344	275	276	233	219
Widowed	534	1	7	16	27	68	133	282
Divorced	556	1	67	180	127	85	60	36
Not stated	136	6	23	26	26	25	21	9
Black, female	1,945	119	286	260	166	190	292	632
Never married	461	101	166	89	27	10	26	42
Ever married	1,455	15	115	169	136	174	280	586
Married	439	13	83	96	60	59	72	58
Widowed	797	1	4	12	32	67	155	508
Divorced	219	1	28	61	44	28	33	24
Not stated	29	3	5	2	3	6	6	4

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Table 1-32. Deaths From Selected Causes, by Marital Status, 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975]

Cause of death, marital status, race, and sex	15 years and over	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over
<b>Suicide (E950-E959)</b>								
All races, both sexes	30,145	4,929	6,710	5,205	3,532	3,406	3,286	3,067
Never married	8,985	4,288	2,861	980	393	235	184	169
Ever married	20,922	682	3,777	4,179	3,155	3,146	3,085	2,888
Married	12,881	540	2,475	2,547	1,991	1,989	1,929	1,890
Widowed	2,950	17	83	115	191	445	788	1,301
Divorced	5,111	125	1,209	1,517	993	712	368	197
Not stated	238	39	72	46	29	25	17	10
All races, male	23,880	4,143	5,483	3,975	2,553	2,576	2,622	2,548
Never married	7,587	3,572	2,435	903	292	207	160	138
Ever married	16,076	536	2,984	3,136	2,243	2,349	2,447	2,401
Married	10,311	433	1,965	1,934	1,445	1,554	1,644	1,306
Widowed	1,943	11	69	81	99	283	495	835
Divorced	3,822	82	910	1,121	699	532	308	160
Not stated	207	35	84	36	28	20	15	9
All races, female	6,265	786	1,247	1,230	979	830	674	519
Never married	1,398	636	426	177	58	28	54	31
Ever married	4,846	146	813	1,043	922	797	638	487
Married	2,560	107	490	613	546	425	285	94
Widowed	1,007	6	24	34	92	192	293	368
Divorced	1,289	33	299	396	284	180	60	37
Not stated	31	4	8	10	1	5	2	1
White, both sexes	27,572	4,308	5,844	4,750	3,285	3,248	3,163	2,978
Never married	7,821	3,673	2,409	871	306	218	181	163
Ever married	19,547	605	3,377	3,837	2,954	3,003	2,987	2,804
Married	11,954	473	2,186	2,312	1,850	1,902	1,865	1,858
Widowed	2,787	15	69	102	167	419	757	1,258
Divorced	4,806	117	1,122	1,423	927	682	345	190
Not stated	204	30	58	42	25	25	15	9
White, male	21,813	3,618	4,746	3,629	2,374	2,450	2,519	2,477
Never married	6,617	3,114	2,051	723	254	193	150	132
Ever married	15,019	477	2,645	2,871	2,098	2,237	2,359	2,337
Married	9,575	382	1,748	1,746	1,345	1,491	1,588	1,275
Widowed	1,843	9	50	70	88	237	480	908
Divorced	3,601	86	847	1,055	663	609	288	153
Not stated	177	27	50	35	24	20	13	8
White, female	5,759	690	1,098	1,121	911	796	644	499
Never married	1,204	559	358	148	52	25	31	31
Ever married	4,528	128	732	966	858	766	611	467
Married	2,379	91	438	566	515	411	277	81
Widowed	944	6	32	79	32	182	277	349
Divorced	1,205	31	275	368	264	173	57	37
Not stated	27	3	8	7	1	5	2	1
All other, both sexes	2,573	621	866	455	247	160	133	91
Never married	1,184	535	452	109	32	17	13	6
Ever married	1,375	77	400	342	211	143	118	84
Married	907	67	289	285	131	87	64	34
Widowed	163	2	13	24	21	26	31	43
Divorced	305	8	87	94	56	30	23	7
Not stated	34	9	14	4	4	-	2	1
All other, male	2,087	525	717	346	179	128	103	71
Never married	980	458	384	80	28	14	10	6
Ever married	1,057	59	310	265	147	112	91	64
Married	736	51	237	188	100	73	58	31
Widowed	100	2	19	11	11	18	15	28
Divorced	221	6	63	60	36	20	20	7
Not stated	30	8	14	1	4	-	2	1
All other, female	506	86	149	109	68	34	30	20
Never married	184	77	68	29	4	3	3	-
Ever married	318	18	81	77	64	31	27	20
Married	171	16	52	47	31	14	8	3
Widowed	63	-	5	2	13	10	16	17
Divorced	84	2	24	28	20	7	3	-
Not stated	4	1	-	3	-	-	-	-
Black, both sexes	1,991	465	685	357	188	132	103	61
Never married	911	402	383	90	24	16	12	4
Ever married	1,056	58	310	265	162	116	89	58
Married	709	52	230	183	96	70	54	24
Widowed	111	1	17	11	19	20	17	28
Divorced	236	5	63	71	47	26	18	6
Not stated	24	5	12	2	2	-	2	1
Black, male	1,630	394	574	285	134	103	85	55
Never married	757	344	304	63	20	13	9	4
Ever married	851	46	253	221	112	90	74	50
Married	600	41	185	161	74	58	48	23
Widowed	77	1	14	9	9	12	11	21
Divorced	174	4	49	51	29	20	15	6
Not stated	22	4	12	1	2	-	2	1
Black, female	361	71	111	72	54	29	18	6
Never married	154	58	59	27	4	3	3	-
Ever married	205	12	52	44	50	26	15	6
Married	109	11	35	22	22	12	6	1
Widowed	34	-	3	2	10	8	6	5
Divorced	62	1	14	20	18	6	3	-
Not stated	2	1	-	1	-	-	-	-

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Table 1-32. Deaths From Selected Causes, by Marital Status, 10-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975]

Cause of death, marital status, race, and sex	15 years and over <sup>1</sup>	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over
<b>Homicide and legal intervention (E880-E978)</b>								
All races, both sexes .....	20,786	5,771	6,992	3,834	1,727	1,130	780	572
Never married .....	10,060	4,943	3,626	975	246	143	75	52
Ever married .....	10,207	721	3,164	2,752	1,439	959	665	507
Married .....	6,969	607	2,256	1,676	861	524	310	195
Widowed .....	991	16	65	87	100	172	235	316
Divorced .....	2,847	98	843	989	478	263	120	58
Not stated .....	519	107	202	107	42	28	20	13
All races, male .....	16,010	4,668	5,397	3,012	1,337	841	468	287
Never married .....	8,400	4,117	2,989	846	228	131	60	29
Ever married .....	7,157	458	2,232	2,067	1,074	687	392	247
Married .....	4,856	401	1,614	1,289	660	397	210	85
Widowed .....	421	7	25	36	51	86	94	122
Divorced .....	2,080	50	593	742	363	204	86	40
Not stated .....	453	83	176	89	35	23	16	11
All races, female .....	4,776	1,103	1,595	822	390	289	292	285
Never married .....	1,660	826	637	129	18	12	15	23
Ever married .....	3,050	263	932	685	365	272	273	260
Married .....	1,713	206	642	387	201	127	100	50
Widowed .....	570	9	40	51	49	86	141	194
Divorced .....	767	48	250	247	115	59	32	16
Not stated .....	66	14	26	6	7	5	4	2
White, both sexes .....	10,353	2,373	3,249	2,051	1,048	746	494	392
Never married .....	3,813	1,841	1,284	384	121	92	50	41
Ever married .....	6,229	471	1,849	1,589	901	634	434	341
Married .....	3,794	391	1,266	945	519	356	211	106
Widowed .....	583	9	34	45	57	87	142	199
Divorced .....	1,852	71	549	609	325	181	81	36
Not stated .....	311	61	116	68	28	20	10	10
White, male .....	7,583	1,784	2,446	1,561	782	544	290	178
Never married .....	3,113	1,443	1,074	331	114	88	39	24
Ever married .....	4,201	290	1,268	1,168	648	440	243	144
Married .....	2,668	252	875	713	379	257	131	61
Widowed .....	213	3	12	14	28	42	55	59
Divorced .....	1,320	35	381	441	241	141	57	24
Not stated .....	269	51	104	62	20	16	8	6
White, female .....	2,770	589	803	490	266	202	204	216
Never married .....	700	398	210	53	7	4	11	17
Ever married .....	2,028	181	591	431	253	194	191	197
Married .....	1,126	139	391	232	140	99	80	45
Widowed .....	370	6	22	31	29	55	87	140
Divorced .....	532	36	168	168	84	40	24	12
Not stated .....	42	10	12	6	6	4	2	2
All other, both sexes .....	10,439	3,398	3,743	1,783	679	384	266	180
Never married .....	6,247	3,102	2,342	591	175	51	25	11
Ever married .....	3,978	250	1,315	1,153	338	325	231	166
Married .....	2,575	216	990	731	342	168	99	29
Widowed .....	408	7	31	42	43	75	93	117
Divorced .....	995	27	294	380	153	82	39	20
Not stated .....	208	46	86	39	16	8	10	3
All other, male .....	8,427	2,884	2,951	1,451	555	297	178	111
Never married .....	5,287	2,674	1,915	515	114	43	21	5
Ever married .....	2,956	168	964	899	426	247	149	103
Married .....	1,988	149	739	576	281	140	79	24
Widowed .....	208	4	13	22	23	44	39	63
Divorced .....	760	15	212	301	122	63	31	16
Not stated .....	184	42	72	37	15	7	8	3
All other, female .....	2,008	514	792	332	124	87	88	69
Never married .....	860	428	427	76	11	8	4	6
Ever married .....	1,022	82	351	254	112	78	82	63
Married .....	587	67	251	155	61	28	20	5
Widowed .....	200	3	18	20	20	31	54	54
Divorced .....	235	12	82	79	31	19	8	4
Not stated .....	24	4	14	2	1	1	2	-
Black, both sexes .....	9,903	3,247	3,567	1,677	627	362	253	170
Never married .....	6,014	2,971	2,264	572	121	50	25	11
Ever married .....	3,892	236	1,221	1,067	490	304	218	156
Married .....	2,368	204	913	670	305	157	81	26
Widowed .....	389	7	29	39	41	73	90	110
Divorced .....	837	25	279	358	144	74	37	20
Not stated .....	197	40	82	38	16	8	10	3
Black, male .....	8,042	2,782	2,827	1,375	518	282	173	105
Never married .....	5,097	2,586	1,854	499	110	42	21	5
Ever married .....	2,770	159	904	840	393	233	144	97
Married .....	1,852	141	692	535	255	132	75	22
Widowed .....	200	4	12	20	22	44	39	59
Divorced .....	718	14	200	285	116	57	30	16
Not stated .....	175	37	69	36	15	7	8	3
Black, female .....	1,861	465	740	302	109	80	80	65
Never married .....	917	405	410	73	11	8	4	6
Ever married .....	922	77	317	227	97	71	74	59
Married .....	514	63	221	135	50	25	18	4
Widowed .....	189	3	17	19	19	29	51	51
Divorced .....	219	11	79	73	28	17	7	4
Not stated .....	22	3	13	2	1	1	2	-

<sup>1</sup> Excludes figures for age not stated.

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Table 1-33. Deaths by State of Residence, Distributed According to State or Country of Birth: 1988

State of residence	Total, all places of birth	State of birth																		
		Total	Ala.	Alaska	Ariz.	Ark.	Calif.	Colo.	Conn.	Del.	D.C.	Fla.	Ga.	Hawaii	Idaho	Ill.	Ind.	Iowa	Kans.	Ky.
United States .....	2,167,999	1,946,769	54,922	1,167	6,823	39,087	54,941	15,016	21,064	3,894	7,016	24,504	63,254	4,586	6,642	108,495	50,902	43,280	32,349	63,667
Alabama .....	38,127	36,660	31,261	7	5	178	45	23	90	5	20	414	1,355	9	3	247	132	40	63	222
Alaska .....	2,064	1,926	12	713	8	22	98	29	7	-	4	6	12	5	22	53	21	31	20	9
Arizona .....	27,684	24,937	130	7	3,824	509	725	418	133	23	22	66	98	18	122	2,295	786	1,011	667	382
Arkansas .....	24,904	24,518	275	3	24	16,071	159	65	7	3	4	36	85	3	16	744	195	261	311	209
California .....	215,485	174,669	1,510	119	1,784	4,958	46,072	3,201	871	71	262	617	1,114	682	1,138	9,583	3,100	5,187	4,676	1,625
Colorado .....	21,350	19,929	95	7	66	267	290	6,638	56	11	30	45	71	10	67	874	281	895	1,504	181
Connecticut .....	28,578	23,488	99	22	10	21	73	28	13,409	18	34	81	221	3	5	201	60	34	29	25
Delaware .....	5,769	5,417	31	-	1	8	15	5	16	2,488	35	23	50	1	1	37	11	12	16	20
District of Columbia .....	7,684	7,189	92	-	1	32	21	10	30	8	2,167	56	234	1	1	55	31	27	20	29
Florida .....	131,044	109,679	3,969	13	33	513	387	198	1,719	169	391	10,271	8,130	21	40	5,585	2,954	670	498	2,218
Georgia .....	51,627	50,649	2,746	11	12	140	109	32	69	14	59	907	37,485	12	9	426	204	98	101	383
Hawaii .....	6,075	4,555	8	4	10	7	185	18	17	1	7	10	16	3	2,287	8	87	21	40	34
Idaho .....	7,701	7,340	11	7	30	113	172	171	11	-	1	13	16	3	2,581	169	71	212	307	40
Illinois .....	105,250	93,908	1,375	6	40	1,767	222	184	95	10	41	121	723	16	17	63,230	1,860	1,730	472	1,590
Indiana .....	50,037	48,193	499	2	24	361	79	53	37	6	15	64	186	7	9	3,213	31,086	259	191	4,307
Iowa .....	27,669	27,076	26	2	4	81	55	66	15	3	4	15	28	4	10	1,252	142	20,934	291	78
Kansas .....	22,992	22,425	43	3	11	565	89	227	20	2	4	24	42	2	14	504	150	452	13,808	122
Kentucky .....	35,616	35,011	267	1	11	89	43	15	14	5	19	58	138	1	1	462	690	62	54	28,749
Louisiana .....	37,601	36,703	488	-	14	920	88	35	29	6	9	141	176	8	8	229	104	89	89	191
Maine .....	11,519	10,949	4	-	1	4	19	7	139	1	5	13	5	3	3	44	18	18	19	8
Maryland .....	38,655	35,747	178	3	9	57	110	51	155	222	2,128	129	322	11	14	308	139	103	71	194
Massachusetts .....	56,483	46,355	129	6	6	37	89	31	893	23	36	71	174	8	8	199	69	58	35	41
Michigan .....	80,147	71,933	2,082	10	19	1,187	130	94	139	18	25	226	1,475	10	21	2,629	1,750	424	220	1,507
Minnesota .....	35,447	33,417	39	-	8	42	85	38	23	-	8	20	28	4	15	771	156	1,970	136	43
Mississippi .....	24,834	24,605	981	3	5	300	44	19	16	3	5	63	155	-	-	174	77	35	44	126
Missouri .....	50,840	49,246	279	2	28	2,081	189	193	36	4	12	59	107	9	20	2,570	490	966	2,007	499
Montana .....	6,781	6,332	6	1	13	26	67	100	4	3	2	6	9	1	93	220	69	213	136	31
Nebraska .....	14,872	14,263	29	2	8	89	52	144	13	4	1	12	16	5	14	263	56	1,038	552	43
Nevada .....	8,474	7,629	67	2	52	197	807	191	50	7	18	35	44	22	190	489	159	200	187	94
New Hampshire .....	8,770	7,795	6	-	-	5	20	5	159	2	14	11	6	-	2	51	16	14	4	9
New Jersey .....	73,413	60,133	416	11	6	35	101	40	412	158	83	319	1,167	9	4	325	123	74	57	94
New Mexico .....	10,425	9,830	83	2	157	180	152	229	17	1	14	22	36	2	17	361	134	150	241	77
New York .....	176,315	181,155	1,112	8	23	171	225	92	1,064	61	182	743	1,781	19	20	713	220	210	116	201
North Carolina .....	57,641	56,659	270	4	16	87	81	25	76	31	90	280	1,088	10	8	331	177	89	67	243
North Dakota .....	5,884	5,298	2	-	2	5	6	11	-	1	4	4	3	-	3	76	20	155	7	4
Ohio .....	100,127	94,144	2,142	2	19	329	129	103	185	16	57	210	1,647	13	17	1,152	1,739	266	181	5,897
Oklahoma .....	30,032	29,447	236	6	43	2,541	206	125	23	1	7	45	139	6	11	501	223	328	1,452	244
Oregon .....	24,910	22,947	87	30	89	413	1,100	500	38	5	9	38	69	33	591	892	273	871	861	168
Pennsylvania .....	126,028	116,170	483	4	24	70	109	71	246	344	191	309	1,165	11	11	482	232	154	105	293
Rhode Island .....	9,723	8,005	12	-	1	1	17	7	258	7	7	7	27	-	1	27	15	12	5	13
South Carolina .....	28,428	29,037	209	1	3	64	45	13	38	15	39	170	1,362	6	4	158	101	42	31	129
South Dakota .....	6,579	6,359	2	1	3	10	17	32	1	-	1	5	1	-	5	142	28	586	42	19
Tennessee .....	45,775	45,266	1,301	2	8	656	77	29	35	9	21	140	965	5	8	521	264	79	92	1,331
Texas .....	122,874	114,362	1,228	14	202	3,094	652	364	137	30	55	326	625	27	57	1,782	839	804	1,204	725
Utah .....	9,224	8,613	26	2	57	45	177	232	12	1	7	11	16	9	533	114	49	70	86	36
Vermont .....	4,666	4,216	2	-	1	2	10	6	128	1	3	2	7	-	-	16	8	9	5	7
Virginia .....	47,608	45,957	268	2	10	105	132	62	138	54	762	170	407	14	20	364	223	156	115	452
Washington .....	36,338	32,539	134	116	70	430	1,011	532	58	13	21	74	114	61	885	982	336	1,033	905	196
West Virginia .....	19,794	19,403	87	1	1	25	15	3	6	3	35	14	47	1	1	59	49	20	10	485
Wisconsin .....	43,032	40,246	68	5	10	182	50	61	27	5	11	20	65	5	9	2,528	302	790	97	111
Wyoming .....	3,249	3,080	9	-	3	30	29	182	4	1	1	4	4	1	47	114	28	155	127	17



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Table 1-33. Deaths by State of Residence, Distributed According to State or Country of Birth: 1988—Con.

State of residence	State of birth																				
	La.	Maine	Md.	Mass.	Mich.	Minn.	Miss.	Mo.	Mont.	Nebr.	NeV.	N.H.	N.J.	N. Mex.	N.Y.	N.C.	N. Dak.	Ohio	Okl.	Oreg.	Pa.
United States	42,542	12,517	26,499	57,261	62,861	40,912	43,902	62,680	7,278	24,060	1,380	6,777	49,556	7,805	162,020	64,467	11,853	91,068	38,770	10,857	150,406
Alabama	188	27	49	69	147	49	1,226	136	10	32	2	9	73	13	212	182	10	199	125	9	219
Alaska	15	1	7	20	39	61	5	40	28	29	5	3	21	9	35	8	24	31	45	37	47
Arizona	140	73	100	345	1,005	717	130	953	148	487	33	35	373	383	1,488	99	213	1,385	835	127	1,203
Arkansas	532	13	10	42	106	81	822	984	10	103	6	9	37	37	187	49	25	178	630	11	199
California	3,592	460	603	2,890	3,731	4,218	1,942	6,728	1,243	3,783	395	287	1,942	1,456	8,466	728	1,704	5,268	7,340	1,888	5,897
Colorado	88	19	58	129	329	324	85	1,113	102	1,241	11	14	147	562	505	56	146	368	662	65	425
Connecticut	34	594	70	1,689	88	48	24	62	7	16	1	199	518	2	3,106	304	12	159	19	9	901
Delaware	6	5	582	51	28	18	16	13	5	12	-	6	195	1	210	97	2	48	11	3	904
District of Columbia	37	4	444	65	23	28	60	40	2	20	-	9	74	3	219	853	5	78	23	3	228
Florida	431	673	1,077	3,971	3,809	735	852	1,430	71	302	14	399	4,478	57	18,082	1,675	182	6,146	378	82	6,893
Georgia	176	42	110	183	250	70	336	214	11	45	2	21	204	12	677	829	26	443	97	14	627
Hawaii	5	7	13	47	44	38	5	33	13	15	4	6	38	2	117	10	9	50	25	27	64
Idaho	13	9	6	24	74	177	13	313	191	358	31	3	26	30	85	20	137	78	189	196	78
Illinois	780	31	109	252	1,052	780	4,779	2,790	73	393	11	22	252	33	860	178	177	943	343	27	1,063
Indiana	81	24	59	94	716	177	727	487	15	100	-	18	87	18	307	92	82	1,557	128	13	641
Iowa	21	8	12	26	97	581	75	971	37	726	2	5	21	5	105	17	112	120	110	17	105
Kansas	81	10	19	51	75	83	114	2,580	17	558	4	1	18	36	117	26	29	154	1,397	24	111
Kentucky	35	7	34	34	168	31	115	203	14	27	2	7	43	10	165	93	6	928	86	6	219
Louisiana	28,478	16	33	64	98	29	2,370	224	11	45	6	6	53	18	233	90	16	156	221	7	186
Maine	8	7,976	20	882	22	17	2	16	7	12	-	318	107	1	250	11	5	43	7	3	111
Maryland	78	62	18,484	389	151	85	94	141	20	58	4	30	424	20	1,390	1,863	21	427	46	23	2,614
Massachusetts	40	881	89	36,771	139	57	46	92	13	35	-	846	415	6	1,894	216	16	197	25	13	690
Michigan	367	66	95	306	43,540	542	1,681	965	71	162	5	37	255	21	1,080	356	144	2,826	260	34	2,310
Minnesota	27	9	22	78	334	24,043	63	226	114	302	2	9	52	8	170	22	1,222	151	67	30	191
Mississippi	731	10	19	20	50	13	20,088	135	3	18	2	3	34	6	97	54	8	90	74	6	82
Missouri	278	23	34	84	263	199	1,283	32,988	47	464	6	12	82	35	303	75	68	327	880	29	289
Montana	6	9	4	20	86	459	7	188	2,735	165	6	4	23	16	62	15	506	58	61	36	77
Nebraska	28	5	15	24	46	117	40	488	25	10,122	4	2	10	9	80	17	50	59	139	16	83
Nevada	145	21	31	144	203	161	81	264	84	144	637	18	114	71	580	58	84	256	244	90	383
New Hampshire	3	405	6	2,022	38	16	2	19	6	12	1	3,656	97	-	407	11	3	45	3	3	128
New Jersey	79	117	390	699	205	83	93	111	14	43	4	58	31,636	12	10,015	1,311	17	376	39	10	6,322
New Mexico	57	8	24	68	149	111	57	263	19	104	2	7	74	3,872	307	25	37	190	569	22	210
New York	317	242	495	1,700	520	201	445	275	42	113	6	166	3,079	18	98,947	2,768	45	933	95	30	6,267
North Carolina	70	56	196	233	240	72	114	141	14	42	8	29	381	9	1,029	43,697	21	413	84	15	665
North Dakota	2	1	3	1	16	605	3	18	33	34	-	-	5	1	13	3	3,871	14	9	5	20
Ohio	155	61	282	322	1,098	198	769	409	27	111	2	46	318	19	1,244	479	60	60,568	157	30	5,848
Oklahoma	188	14	35	58	117	88	208	1,630	27	222	7	-	50	104	182	72	35	224	16,122	21	207
Oregon	86	32	36	140	377	1,018	87	810	435	1,007	33	17	84	89	351	100	671	339	740	6,403	339
Pennsylvania	78	94	1,481	504	280	110	156	181	18	66	2	45	2,247	24	3,163	1,289	30	1,436	70	23	85,328
Rhode Island	5	97	15	1,178	32	3	4	7	2	6	1	68	75	-	265	32	3	33	2	1	122
South Carolina	43	26	72	114	102	29	103	91	6	24	1	13	182	3	456	1,634	9	227	41	7	354
South Dakota	-	1	2	4	21	367	4	56	29	325	-	-	1	5	18	3	202	17	15	2	31
Tennessee	156	17	68	82	220	59	2,638	342	8	45	1	9	101	14	314	732	21	424	128	11	273
Texas	4,450	80	146	365	700	465	1,361	1,796	91	454	20	52	352	509	1,373	354	128	1,098	5,076	69	1,106
Utah	8	3	8	26	45	61	19	108	62	92	52	7	19	101	84	16	32	68	68	35	59
Vermont	1	75	4	307	14	7	3	8	-	3	-	188	78	1	413	6	3	27	3	1	69
Virginia	80	74	688	376	224	137	113	199	29	72	4	41	408	18	1,331	3,707	30	482	107	23	1,389
Washington	187	62	65	228	574	1,858	146	969	1,133	958	34	25	155	84	539	165	1,278	440	681	1,293	635
West Virginia	9	8	287	21	32	11	9	26	6	8	-	4	36	1	100	136	4	719	26	5	848
Wisconsin	72	15	22	82	1,013	1,429	402	240	56	181	2	11	72	4	248	26	256	244	34	20	282
Wyoming	8	6	9	9	37	55	5	149	86	375	5	1	12	39	19	8	58	44	80	13	53

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Table 1-33. Deaths by State of Residence, Distributed According to State or Country of Birth: 1988—Con.

State of residence	State of birth												Country of birth								Unknown
	R.I.	S.C.	S. Dak.	Tenn.	Tex.	Utah	Vt.	Va.	Wash.	W. Va.	Wis.	Wyo.	Total	Puerto Rico	Virgin Islands	Guam	Canada	Cuba	Mexico	Re- mainder of world	
United States	9,074	89,703	11,285	62,560	105,208	9,718	5,754	48,765	17,583	31,894	45,934	2,924	207,687	8,867	204	135	17,464	7,127	16,144	157,746	13,543
Alabama	11	132	18	835	245	9	5	113	13	87	53	1	331	4	1	-	38	4	4	280	136
Alaska	5	8	16	10	45	11	5	10	156	13	49	7	194	1	-	-	21	1	1	110	4
Arizona	55	29	237	228	1,273	199	35	129	225	253	692	69	2,553	19	2	4	282	8	819	1,422	194
Arkansas	9	28	39	551	853	11	1	46	26	72	117	18	285	4	-	1	36	1	7	236	101
California	435	399	1,585	1,695	9,747	1,761	237	882	2,530	928	2,737	528	36,077	368	1	89	2,864	498	7,930	26,498	2,739
Colorado	13	35	231	128	707	125	14	74	86	92	328	184	1,385	16	1	3	98	8	167	1,094	36
Connecticut	298	288	7	39	43	7	308	185	32	52	51	6	4,999	298	6	-	529	27	2	4,137	89
Delaware	11	45	4	28	15	1	6	223	4	75	12	1	319	16	-	-	19	4	5	275	33
District of Columbia	16	873	2	64	54	2	5	994	6	87	18	2	372	4	3	-	15	9	5	396	123
Florida	588	1,886	162	1,678	767	32	398	1,466	147	1,885	1,408	30	20,697	698	11	1	1,551	5,078	204	19,164	688
Georgia	30	1,356	20	1,140	277	10	40	307	28	202	113	10	838	17	1	-	70	38	35	682	140
Hawaii	8	6	8	14	46	14	5	14	53	13	22	6	1,501	8	1	2	28	-	-	1,462	19
Idaho	4	7	109	50	144	489	4	15	333	28	116	89	342	1	-	1	84	-	37	218	19
Illinois	48	173	231	1,635	605	31	22	231	88	308	1,894	35	10,694	361	2	1	937	81	575	9,527	648
Indiana	16	52	55	1,149	200	11	13	282	34	302	258	11	1,507	30	-	-	93	4	76	1,304	337
Iowa	6	6	374	50	84	7	3	21	28	26	275	19	762	-	-	-	51	3	37	671	31
Kansas	7	11	70	104	390	20	2	38	31	54	87	24	638	1	-	-	32	5	105	395	29
Kentucky	6	41	12	1,226	85	6	8	295	14	380	82	5	293	5	1	1	29	2	4	251	312
Louisiana	12	64	11	219	1,233	10	3	75	19	72	62	4	657	7	1	-	28	50	25	546	241
Maine	76	3	1	4	27	4	75	9	6	12	11	1	1,141	2	-	-	651	-	1	287	29
Maryland	63	917	30	236	134	13	17	2,675	36	1,135	98	8	2,369	39	1	2	95	36	8	2,180	539
Massachusetts	851	137	15	48	63	9	518	144	24	51	58	6	10,006	311	3	-	2,416	6	8	7,284	122
Michigan	42	426	100	1,701	470	21	41	382	79	653	922	24	7,982	36	1	-	1,830	24	124	5,947	252
Minnesota	8	9	784	37	81	15	11	26	86	25	1,611	18	1,961	1	-	-	184	9	20	1,736	69
Mississippi	6	38	8	587	250	3	2	53	11	34	22	-	172	3	-	-	21	1	5	142	57
Missouri	13	38	112	834	506	19	11	97	58	102	182	29	1,370	7	1	3	70	18	32	1,230	224
Montana	2	4	220	17	62	51	1	15	119	11	200	89	427	-	-	-	103	-	7	317	22
Nebraska	4	8	237	32	92	14	1	24	12	25	70	46	574	-	-	2	20	-	25	527	35
Nevada	26	16	55	66	298	262	8	43	140	49	157	47	778	7	-	1	102	26	69	574	67
New Hampshire	88	4	5	3	11	1	398	21	3	9	14	1	989	8	-	-	573	2	1	405	18
New Jersey	119	1,046	18	126	113	10	72	1,137	31	263	118	3	12,939	830	5	-	153	333	14	11,604	341
New Mexico	11	13	45	82	1,350	32	10	38	30	56	98	22	553	6	-	-	28	3	257	261	42
New York	277	3,530	41	312	275	32	446	1,889	66	379	211	19	42,170	5,072	150	-	1,485	839	166	34,718	2,990
North Carolina	46	3,143	11	585	175	7	26	1,723	30	372	100	9	791	13	2	1	85	10	33	647	191
North Dakota	1	2	206	1	10	1	-	5	9	-	101	3	366	-	-	-	46	-	-	320	-
Ohio	42	369	54	1,482	291	26	36	895	46	4,469	283	11	5,597	63	1	2	302	18	48	5,148	386
Oklahoma	10	29	57	340	2,809	18	2	80	32	110	94	24	409	4	-	2	54	4	55	290	176
Oregon	17	18	483	137	564	223	18	62	1,573	78	489	136	1,864	2	-	2	424	6	80	1,150	199
Pennsylvania	82	1,615	27	242	164	15	54	1,755	99	1,175	143	20	9,411	403	1	-	220	28	42	8,717	447
Rhode Island	5,490	25	1	8	7	1	41	30	4	4	5	3	1,891	27	1	-	342	2	1	1,318	27
South Carolina	16	22,065	8	282	100	2	16	311	11	189	46	4	344	6	1	-	40	1	7	289	47
South Dakota	-	-	4,220	5	21	2	2	4	8	4	84	17	219	1	-	-	19	1	1	197	1
Tennessee	16	177	16	32,265	308	12	16	939	25	211	88	6	413	8	-	2	38	3	5	357	96
Texas	65	184	172	1,207	78,851	80	27	339	169	431	467	72	7,888	79	3	5	222	110	4,980	2,490	623
Utah	4	10	27	22	100	5,727	3	15	36	22	45	148	576	3	-	-	38	1	72	462	35
Vermont	20	2	3	2	6	1	2,742	5	3	7	9	1	445	2	-	-	265	-	-	178	5
Virginia	75	634	41	543	215	29	37	28,655	54	1,576	119	13	1,440	19	2	2	115	24	14	1,264	211
Washington	29	52	754	187	625	231	25	130	10,919	131	859	186	3,520	6	1	8	946	8	143	2,409	279
West Virginia	4	34	4	92	34	2	4	885	9	15,363	7	6	320	-	-	-	17	1	2	300	71
Wisconsin	14	18	228	125	109	9	9	42	40	38	30,614	6	2,745	30	-	-	127	3	42	2,543	41
Wyoming	1	2	103	15	74	94	3	7	23	6	46	878	152	-	-	-	21	-	-	117	4

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Table 1-34. Deaths by Specified Hispanic Origin and Race for Non-Hispanic Origin: 29 Reporting States and the District of Columbia, 1988

[For discussion of completeness of reporting and comparability of data among the States see Technical Appendix]

State	All origins	Hispanic						Non-Hispanic			Not stated <sup>1</sup>
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total <sup>2</sup>	White	Black	
Alabama	38,127	131	42	40	3	3	43	36,114	27,868	10,185	882
Arizona	27,684	2,456	2,169	25	7	17	238	24,941	23,028	711	287
Arkansas	24,904	19	8	2	-	1	8	24,893	20,042	4,009	802
California	215,485	18,228	13,586	435	433	1,414	3,360	193,547	167,827	16,828	2,710
Colorado	21,350	1,374	241	11	5	2	1,115	19,722	18,830	706	254
District of Columbia	7,664	67	5	-	8	29	25	6,593	1,244	5,307	1,004
Georgia	51,627	169	52	30	23	17	47	50,347	35,874	14,359	1,111
Hawaii	6,075	245	12	93	2	1	137	5,807	1,790	49	23
Illinois	105,250	1,579	745	368	82	80	304	93,729	83,822	15,990	3,942
Indiana	50,037	341	148	140	12	4	37	48,985	45,246	3,697	710
Kansas	22,992	180	160	6	6	4	14	21,254	20,133	1,033	1,548
Kentucky	35,616	127	85	17	6	6	35	34,695	32,050	2,614	794
Maine	11,519	15	2	3	1	2	7	10,134	10,099	7	1,370
Mississippi	24,834	15	4	1	1	1	8	24,321	15,759	8,480	498
Montana	6,781	39	23	-	-	-	16	6,316	5,953	8	428
Nebraska	14,872	74	61	-	-	-	12	14,278	13,802	393	522
Nevada	8,474	178	71	2	23	7	75	5,886	5,328	395	2,400
New Jersey	79,413	2,113	45	1,023	522	305	218	62,812	54,009	8,464	8,468
New Mexico <sup>3</sup>	10,425	3,023	313	5	-	5	2,700	7,402	6,472	185	-
New York	176,315	9,292	105	5,379	512	1,487	1,809	156,394	132,283	22,527	10,839
North Carolina	57,641	112	46	18	6	10	32	55,907	42,236	13,209	1,822
North Dakota	5,664	5	1	-	-	2	2	5,202	5,084	2	397
Ohio	100,127	340	132	103	16	13	76	95,394	84,964	10,267	4,393
Oregon	24,810	185	147	5	4	5	34	24,464	23,768	349	151
Rhode Island	9,723	82	-	29	5	28	22	8,175	8,888	262	468
Tennessee	45,775	31	5	3	2	5	16	40,700	33,712	6,941	5,044
Texas	122,874	15,745	14,362	93	112	200	978	105,774	89,458	15,811	1,355
Utah	9,224	242	166	6	3	8	59	8,895	8,695	54	87
Washington	36,328	458	282	53	10	7	106	35,340	33,582	794	540
Wyoming	3,246	60	38	-	-	1	21	3,090	3,009	19	98

<sup>1</sup> Includes races other than white and black.  
<sup>2</sup> Includes deaths that occurred in States that did not report Hispanic origin on the death certificate.  
<sup>3</sup> Figures for "Not stated" origin are included in total Non-Hispanic; see Technical Appendix.

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
All causes	1,285,192	24,606	4,684	5,484	23,583	37,949	49,537	72,205	161,886	286,045	350,506	268,307	389
Male	657,788	13,022	2,648	3,328	17,603	27,790	39,847	45,490	96,906	165,647	170,825	87,455	289
Female	617,404	10,684	2,038	2,156	5,980	10,219	15,690	26,716	62,980	120,398	179,581	180,852	100
Hispanic	54,713	3,275	652	878	3,277	4,939	4,689	4,722	7,585	8,863	9,592	6,273	68
Male	33,124	1,859	346	412	2,653	3,983	3,534	3,193	4,664	5,014	4,812	2,633	61
Female	21,589	1,416	306	266	614	976	1,155	1,559	2,921	3,849	4,780	3,640	7
Mexican	32,847	2,076	428	437	2,089	2,405	2,100	2,510	4,588	5,597	6,205	4,089	25
Male	18,689	1,178	218	278	1,752	1,984	1,628	1,655	2,791	3,184	3,233	1,749	23
Female	12,978	898	210	161	347	421	552	855	1,797	2,413	2,972	2,350	2
Puerto Rican	7,880	282	77	83	349	1,016	1,108	913	1,159	1,196	1,101	595	1
Male	4,771	146	51	45	251	780	839	648	722	617	482	209	1
Female	3,109	136	26	38	98	288	289	265	437	579	619	386	-
Cuban	1,779	24	6	8	19	82	88	154	338	342	441	281	-
Male	1,036	13	4	3	11	67	76	109	229	204	206	114	-
Female	743	11	2	3	8	15	12	45	107	138	235	167	-
Central and South American	3,644	183	39	45	336	538	463	389	445	481	435	289	1
Male	2,217	115	23	26	284	448	345	236	248	237	163	91	1
Female	1,427	68	16	19	52	90	118	163	197	254	272	178	-
Other and unknown Hispanic	8,763	710	104	107	474	898	850	746	1,057	1,337	1,410	1,029	41
Male	5,431	407	52	62	385	704	646	515	674	772	728	470	36
Female	3,332	303	52	45	109	194	204	231	383	565	682	559	5
Non-Hispanic	1,185,382	19,708	3,811	4,557	19,209	31,238	42,587	64,472	148,140	266,852	329,919	264,892	177
Male	608,933	11,131	2,179	2,773	14,114	22,437	28,608	40,237	90,058	154,455	160,542	82,292	109
Female	576,429	8,577	1,632	1,784	5,095	8,801	13,979	24,235	58,084	112,397	169,377	172,400	68
White	1,009,325	12,283	2,579	3,231	13,841	21,284	29,832	48,628	120,830	229,606	293,400	233,403	118
Male	512,406	7,049	1,487	2,003	10,176	15,472	20,170	30,459	74,160	134,001	142,798	74,555	76
Female	496,919	5,244	1,092	1,228	3,765	5,782	9,662	18,189	48,670	95,805	160,602	158,848	42
Black	155,534	6,825	1,052	1,115	4,554	9,037	11,559	14,129	24,307	32,786	31,857	18,401	52
Male	84,492	3,676	608	652	3,415	6,312	7,692	8,777	14,128	17,886	14,959	6,348	30
Female	71,042	2,999	444	463	1,139	2,725	3,867	5,352	10,179	14,900	16,899	12,053	22
Not stated	45,117	1,623	221	249	1,107	1,772	2,261	3,012	8,161	10,230	10,895	7,942	144
Male	25,731	932	121	143	628	1,330	1,705	2,080	4,186	6,178	5,571	2,530	119
Female	19,386	691	100	106	281	442	556	922	1,975	4,052	5,424	4,812	25
Shigellosis and amebiasis (004.006)	12	1	1	3	-	-	1	2	-	-	1	3	-
Male	5	-	-	3	-	-	-	1	-	-	-	-	-
Female	7	1	1	-	-	-	-	1	-	-	1	3	-
Hispanic	4	1	-	1	-	-	1	-	-	-	-	1	-
Male	2	-	-	1	-	-	-	-	-	-	-	-	-
Female	2	1	-	-	-	-	-	-	-	-	-	1	-
Mexican	3	1	-	-	-	-	1	-	-	-	-	1	-
Male	1	-	-	-	-	-	1	-	-	-	-	-	-
Female	2	1	-	-	-	-	-	-	-	-	-	1	-
Puerto Rican	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Cuban	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	1	-	-	1	-	-	-	-	-	-	-	-	-
Male	1	-	-	1	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Hispanic	8	-	1	2	-	-	2	-	-	-	1	2	-
Male	3	-	-	2	-	-	1	-	-	-	-	-	-
Female	5	-	1	-	-	-	1	-	-	-	1	2	-
White	2	-	-	-	-	-	-	-	-	-	-	-	-
Male	2	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	2	-	1	-	-	-	-	-	-	-	-	1	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	2	-	1	-	-	-	-	-	-	-	-	1	-
Not stated	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Certain other intestinal infections (007-009)	185	60	4	1	4	3	1	5	9	26	38	34	-
Male	87	34	3	1	4	2	-	2	4	11	17	9	-
Female	98	26	1	-	-	1	1	3	5	15	21	25	-
Hispanic	16	11	-	-	1	-	-	1	-	-	2	1	-
Male	9	6	-	-	1	-	-	-	-	-	-	-	-
Female	7	5	-	-	-	-	-	1	-	-	-	1	-
Mexican	10	6	-	-	1	-	-	-	-	-	2	1	-
Male	8	5	-	-	1	-	-	-	-	-	2	-	-
Female	2	1	-	-	-	-	-	-	-	-	-	1	-
Puerto Rican	1	-	-	-	-	-	-	1	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	1	-	-	-	-	-	-	1	-	-	-	-	-
Cuban	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	5	5	-	-	-	-	-	-	-	-	-	-	-
Male	1	1	-	-	-	-	-	-	-	-	-	-	-
Female	4	4	-	-	-	-	-	-	-	-	-	-	-
Non-Hispanic	161	44	4	1	3	3	1	4	8	25	36	32	-
Male	75	25	3	1	3	2	-	2	4	11	15	9	-
Female	86	19	1	-	-	1	1	2	4	14	21	23	-
White	122	21	3	1	3	2	1	4	8	20	31	28	-
Male	67	12	3	1	3	1	1	2	4	11	13	7	-
Female	55	9	-	-	-	1	1	2	4	9	18	21	-
Black	32	22	1	-	-	-	-	-	-	3	3	2	-
Male	14	12	-	-	-	-	-	-	-	-	-	1	-
Female	18	10	1	-	-	-	-	-	-	3	3	1	-
Not stated	8	5	-	-	-	-	-	-	1	1	-	-	-
Male	3	3	-	-	-	-	-	-	-	-	-	-	-
Female	5	2	-	-	-	-	-	-	1	1	-	1	-

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.  
 [Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Tuberculosis (010-018)</b>	1,267	2	3	1	19	87	150	143	178	246	284	156	--
Male	805	1	1	1	9	53	106	113	129	168	159	88	--
Female	462	2	2	--	10	34	44	30	47	78	125	68	--
Hispanic	144	--	2	--	3	22	27	17	18	24	20	10	--
Male	96	--	--	--	1	16	19	14	13	18	11	4	--
Female	48	--	2	--	2	6	8	3	5	6	9	6	--
Mexican	80	--	2	--	2	11	10	5	15	15	13	7	--
Male	54	--	--	--	1	7	7	4	11	13	8	3	--
Female	26	--	2	--	1	4	3	1	4	2	5	4	--
Puerto Rican	32	--	--	--	1	3	10	8	1	5	4	--	--
Male	22	--	--	--	--	3	6	8	1	2	2	--	--
Female	10	--	--	--	1	--	4	--	--	3	2	--	--
Cuban	2	--	--	--	--	--	1	--	--	1	--	--	--
Male	2	--	--	--	--	--	1	--	--	1	--	--	--
Female	--	--	--	--	--	--	--	--	--	--	--	--	--
Central and South American	7	--	--	--	--	2	3	--	1	--	1	--	--
Male	4	--	--	--	--	1	2	--	--	--	1	--	--
Female	3	--	--	--	--	1	1	--	1	--	--	--	--
Other and unknown Hispanic	23	--	--	--	--	6	3	4	2	3	2	3	--
Male	14	--	--	--	--	5	3	2	1	2	--	1	--
Female	9	--	--	--	--	1	--	2	1	1	2	2	--
Non-Hispanic *	1,060	2	1	1	13	60	111	114	147	214	258	141	--
Male	857	--	1	1	5	33	78	88	106	142	143	60	--
Female	403	2	--	--	8	27	33	26	41	72	113	81	--
White	564	1	--	--	5	10	25	35	78	132	161	97	--
Male	395	--	--	--	2	9	17	29	60	85	97	36	--
Female	229	1	--	--	3	1	8	6	18	47	64	61	--
Black	403	1	1	1	7	45	81	67	53	69	49	29	--
Male	259	--	1	1	2	21	57	50	37	49	28	13	--
Female	144	1	--	--	5	24	24	17	16	20	21	16	--
Not stated *	63	--	--	--	3	5	12	12	10	8	8	5	--
Male	52	--	--	--	3	4	9	11	10	8	5	2	--
Female	11	--	--	--	1	1	3	1	--	--	3	3	--
<b>Tuberculosis of respiratory system (010-012)</b>	977	--	1	--	9	52	106	112	135	198	230	134	--
Male	649	--	--	--	4	33	77	92	111	144	183	55	--
Female	328	--	1	--	5	19	29	20	24	54	97	79	--
Hispanic	120	--	1	--	2	17	23	15	17	19	18	8	--
Male	82	--	--	--	1	12	17	13	11	15	11	2	--
Female	38	--	1	--	1	5	6	2	6	4	7	6	--
Mexican	65	--	1	--	2	10	7	3	13	11	12	6	--
Male	45	--	--	--	1	6	5	3	9	11	6	2	--
Female	20	--	1	--	1	4	2	--	4	--	4	4	--
Puerto Rican	29	--	--	--	--	3	9	8	1	4	4	--	--
Male	21	--	--	--	--	3	6	8	1	1	2	--	--
Female	8	--	--	--	--	--	3	--	--	3	2	--	--
Cuban	2	--	--	--	--	--	1	--	--	1	--	--	--
Male	2	--	--	--	--	--	--	--	--	--	--	--	--
Female	--	--	--	--	--	--	--	--	--	--	--	--	--
Central and South American	8	--	--	--	--	1	3	--	1	--	1	--	--
Male	3	--	--	--	--	--	2	--	--	--	--	--	--
Female	5	--	--	--	--	1	1	--	1	--	--	--	--
Other and unknown Hispanic	18	--	--	--	--	3	3	4	2	3	1	2	--
Male	11	--	--	--	--	3	3	2	1	2	--	--	--
Female	7	--	--	--	--	--	--	2	1	1	1	2	--
Non-Hispanic *	808	--	--	--	6	32	73	87	109	172	208	121	--
Male	525	--	--	--	2	19	52	70	91	122	118	51	--
Female	281	--	--	--	4	13	21	17	18	50	88	70	--
White	459	--	--	--	1	5	13	26	64	112	155	83	--
Male	280	--	--	--	1	4	9	23	54	74	85	30	--
Female	179	--	--	--	--	1	4	3	10	38	70	53	--
Black	281	--	--	--	5	25	56	53	32	51	35	24	--
Male	195	--	--	--	1	14	40	40	28	41	20	11	--
Female	88	--	--	--	4	11	16	13	4	10	15	13	--
Not stated *	61	--	--	--	1	3	10	10	9	7	6	5	--
Male	42	--	--	--	1	2	8	9	8	7	4	2	--
Female	9	--	--	--	--	1	2	1	--	--	2	3	--
<b>Other tuberculosis (013-018)</b>	290	2	2	1	10	35	44	31	41	48	54	22	--
Male	156	--	1	1	5	20	29	21	18	24	28	11	--
Female	134	2	1	--	5	15	15	10	23	24	28	11	--
Hispanic	24	--	1	--	1	5	4	2	2	5	2	2	--
Male	14	--	--	--	--	4	2	1	2	3	--	2	--
Female	10	--	1	--	1	1	2	1	--	2	2	--	--
Mexican	15	--	1	--	1	1	3	2	2	4	1	1	--
Male	9	--	--	--	--	1	2	1	2	2	--	1	--
Female	6	--	1	--	--	--	1	1	--	2	1	--	--
Puerto Rican	3	--	--	--	1	--	1	--	--	1	--	--	--
Male	1	--	--	--	--	--	--	--	--	1	--	--	--
Female	2	--	--	--	1	--	1	--	--	--	--	--	--
Cuban	--	--	--	--	--	--	--	--	--	--	--	--	--
Male	--	--	--	--	--	--	--	--	--	--	--	--	--
Female	--	--	--	--	--	--	--	--	--	--	--	--	--
Central and South American	1	--	--	--	--	1	--	--	--	--	--	--	--
Male	1	--	--	--	--	1	--	--	--	--	--	--	--
Female	--	--	--	--	--	--	--	--	--	--	--	--	--
Other and unknown Hispanic	5	--	--	--	--	3	--	--	--	--	1	1	--
Male	3	--	--	--	--	2	--	--	--	--	--	1	--
Female	2	--	--	--	--	1	--	--	--	--	--	--	--
Non-Hispanic *	254	2	1	1	7	29	38	27	38	42	50	20	--
Male	132	--	1	1	3	14	28	18	15	20	28	9	--
Female	122	2	--	--	4	14	12	9	23	22	26	11	--
White	105	1	--	--	4	5	12	9	14	20	26	14	--
Male	55	--	--	--	1	5	8	6	6	11	12	6	--
Female	50	1	--	--	3	--	4	3	8	9	14	8	--
Black	122	1	1	1	2	20	25	14	21	18	14	5	--
Male	64	--	1	1	1	7	17	10	9	8	8	2	--
Female	58	1	--	--	1	13	8	4	12	10	6	3	--
Not stated *	12	--	--	--	2	2	2	2	1	1	2	--	--
Male	10	--	--	--	2	2	1	2	1	1	1	--	--
Female	2	--	--	--	--	--	1	--	--	--	1	--	--

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix.]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
Whooping cough (033)	2	2	-	-	-	-	-	-	-	-	-	-	-
Male	1	1	-	-	-	-	-	-	-	-	-	-	-
Female	1	1	-	-	-	-	-	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Mexican	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rican	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Cuban	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Hispanic	2	2	-	-	-	-	-	-	-	-	-	-	-
Male	1	1	-	-	-	-	-	-	-	-	-	-	-
Female	1	1	-	-	-	-	-	-	-	-	-	-	-
White	2	2	-	-	-	-	-	-	-	-	-	-	-
Male	1	1	-	-	-	-	-	-	-	-	-	-	-
Female	1	1	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Not stated	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Breptococcal sore throat, scarlatina, and erysipelas (034-035)	9	-	-	1	-	1	-	-	2	3	2	-	-
Male	4	-	-	1	-	1	-	-	2	1	1	-	-
Female	5	-	-	-	-	-	-	-	2	2	1	-	-
Hispanic	2	-	-	-	-	1	-	-	-	1	-	-	-
Male	2	-	-	-	-	1	-	-	-	1	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Mexican	2	-	-	-	-	1	-	-	-	1	-	-	-
Male	2	-	-	-	-	1	-	-	-	1	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rican	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Cuban	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Hispanic	7	-	-	1	-	-	-	-	2	2	2	-	-
Male	2	-	-	1	-	-	-	-	-	2	1	-	-
Female	5	-	-	-	-	-	-	-	2	2	1	-	-
White	6	-	-	1	-	-	-	-	1	2	2	-	-
Male	2	-	-	1	-	-	-	-	-	1	1	-	-
Female	4	-	-	-	-	-	-	-	1	2	1	-	-
Black	1	-	-	-	-	-	-	-	1	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	1	-	-	-	-	-	-	-	1	-	-	-	-
Not stated	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	172	45	48	12	20	6	10	11	7	5	6	2	-
Male	84	28	27	8	9	2	7	5	4	1	3	-	-
Female	78	17	21	4	11	4	3	6	3	4	3	2	-
Hispanic	19	4	8	-	2	1	2	-	2	-	-	-	-
Male	5	1	1	-	1	-	1	-	1	-	-	-	-
Female	14	3	7	-	1	1	1	-	1	-	-	-	-
Mexican	12	1	6	-	1	1	1	-	2	-	-	-	-
Male	1	-	-	-	-	-	-	-	1	-	-	-	-
Female	11	1	6	-	1	1	1	-	1	-	-	-	-
Puerto Rican	1	-	-	-	1	-	-	-	-	-	-	-	-
Male	1	-	-	-	1	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Cuban	1	-	-	-	-	-	1	-	-	-	-	-	-
Male	1	-	-	-	-	-	1	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	3	3	-	-	-	-	-	-	-	-	-	-	-
Male	1	1	-	-	-	-	-	-	-	-	-	-	-
Female	2	2	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	2	-	2	-	-	-	-	-	-	-	-	-	-
Male	1	-	1	-	-	-	-	-	-	-	-	-	-
Female	1	-	1	-	-	-	-	-	-	-	-	-	-
Non-Hispanic	139	37	38	12	14	5	7	11	5	5	5	2	-
Male	81	24	23	8	7	2	5	5	3	1	3	-	-
Female	58	13	13	4	7	3	2	6	2	4	2	2	-
White	96	28	23	6	10	3	6	4	4	4	5	2	-
Male	60	20	15	5	4	1	5	3	3	1	3	-	-
Female	36	9	8	1	6	2	1	1	1	3	2	2	-
Black	41	8	12	6	4	1	1	7	1	1	-	-	-
Male	21	4	8	3	3	1	-	2	-	-	-	-	-
Female	20	4	4	3	1	-	1	5	1	1	-	-	-
Not stated	14	4	4	-	4	-	1	-	-	-	1	-	-
Male	8	3	3	-	1	-	1	-	-	-	-	-	-
Female	6	1	1	-	3	-	-	-	-	-	1	-	-



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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
Viral hepatitis (070)	854	4	6	2	22	78	95	101	179	206	132	31	-
Male	504	2	4	1	17	48	68	72	89	120	63	10	-
Female	350	2	2	1	5	28	27	29	80	86	69	21	-
Hispanic	68	3	3	2	5	12	9	6	14	9	4	1	-
Male	44	1	3	1	5	9	4	3	9	6	2	1	-
Female	24	2	-	1	-	3	5	3	5	3	2	-	-
Mexican	36	1	2	1	1	5	4	3	7	7	4	1	-
Male	19	-	2	-	1	3	1	-	4	5	2	1	-
Female	17	1	-	1	-	2	3	3	3	2	2	-	-
Puerto Rican	11	-	-	1	2	2	-	1	5	-	-	-	-
Male	10	-	-	1	2	2	-	1	4	-	-	-	-
Female	1	-	-	-	-	-	-	-	1	-	-	-	-
Cuban	6	-	-	-	-	1	-	1	2	2	-	-	-
Male	4	-	-	-	-	1	-	1	1	1	-	-	-
Female	2	-	-	-	-	-	-	-	1	1	-	-	-
Central and South American	4	1	-	-	1	1	1	-	-	-	-	-	-
Male	3	1	-	-	1	1	1	-	-	-	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	11	1	1	-	1	3	4	1	-	-	-	-	-
Male	8	-	1	-	1	3	2	1	-	-	-	-	-
Female	3	1	-	-	-	2	-	-	-	-	-	-	-
Non-Hispanic *	757	1	3	-	17	59	81	91	158	192	125	30	-
Male	445	1	1	-	12	37	59	66	66	112	60	9	-
Female	312	-	2	-	5	22	22	25	72	80	65	21	-
White	607	-	3	-	10	41	58	72	122	166	110	25	-
Male	367	-	1	-	8	29	44	58	67	100	52	8	-
Female	240	-	2	-	2	12	14	14	55	66	58	17	-
Black	97	-	-	-	6	17	19	11	20	12	9	3	-
Male	46	-	-	-	3	8	13	4	10	2	5	1	-
Female	51	-	-	-	3	9	6	7	10	10	4	2	-
Not stated *	29	-	-	-	-	5	5	4	7	5	3	-	-
Male	15	-	-	-	-	2	5	4	4	2	1	-	-
Female	14	-	-	-	-	3	-	3	3	3	2	-	-
Syphilis (090-097)	51	12	-	-	-	1	4	5	4	9	10	7	-
Male	35	8	-	-	-	1	2	5	3	5	7	4	-
Female	16	4	-	-	-	-	2	-	1	3	3	3	-
Hispanic	10	3	-	-	-	-	1	1	2	1	1	1	-
Male	8	2	-	-	-	-	1	1	2	1	1	-	-
Female	2	1	-	-	-	-	-	-	-	-	-	1	-
Mexican	5	3	-	-	-	-	-	-	2	-	-	-	-
Male	4	2	-	-	-	-	-	-	2	-	-	-	-
Female	1	1	-	-	-	-	-	-	-	-	-	-	-
Puerto Rican	1	-	-	-	-	-	-	-	-	-	-	1	-
Male	1	-	-	-	-	-	-	-	-	-	-	1	-
Female	1	-	-	-	-	-	-	-	-	-	-	-	-
Cuban	1	-	-	-	-	-	-	-	-	1	-	-	-
Male	1	-	-	-	-	-	-	-	-	1	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	1	-	-	-	-	-	-	1	-	-	-	-	-
Male	1	-	-	-	-	-	-	1	-	-	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	2	-	-	-	-	-	1	-	-	-	1	-	-
Male	2	-	-	-	-	-	1	-	-	-	1	-	-
Female	2	-	-	-	-	-	-	-	-	-	-	-	-
Non-Hispanic *	40	8	-	-	-	1	3	4	2	7	9	6	-
Male	26	5	-	-	-	1	1	4	1	4	6	4	-
Female	14	3	-	-	-	-	2	-	1	3	3	2	-
White	16	-	-	-	-	1	1	1	-	4	5	4	-
Male	10	-	-	-	-	1	1	1	-	2	3	3	-
Female	6	-	-	-	-	-	-	-	-	2	2	1	-
Black	24	8	-	-	-	-	2	3	2	3	4	2	-
Male	16	5	-	-	-	-	1	3	1	2	3	1	-
Female	8	3	-	-	-	-	1	1	1	1	1	1	-
Not stated *	1	1	-	-	-	-	-	-	-	-	-	-	-
Male	1	1	-	-	-	-	-	-	-	-	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	-	-	-
All other infectious and parasitic diseases (001-003,005,020-032, 037,039-041,*042-044,046-054,056-066,071-088,098-139)	16,578	185	142	118	476	4,841	5,152	2,171	1,255	1,013	783	429	3
Male	13,393	113	73	59	371	4,174	4,635	1,920	823	624	386	133	2
Female	3,185	82	69	59	105	667	517	251	332	389	417	296	1
Hispanic	2,180	41	28	15	87	835	696	295	106	46	36	7	-
Male	1,806	24	14	8	56	700	616	252	83	24	17	2	-
Female	384	17	12	7	21	135	80	43	23	22	19	5	-
Mexican	579	25	9	11	33	204	180	75	35	29	23	5	-
Male	472	10	3	5	30	188	125	62	23	13	12	1	-
Female	107	15	6	6	3	16	5	13	12	16	11	4	-
Puerto Rican	878	7	10	3	31	380	305	102	26	10	3	1	-
Male	695	6	7	3	18	289	255	87	22	8	1	1	-
Female	183	1	3	-	13	91	50	15	4	4	2	-	-
Cuban	75	-	-	-	1	19	19	24	11	-	1	-	-
Male	71	-	-	-	1	19	19	21	11	-	-	-	-
Female	4	-	-	-	-	-	-	3	-	-	1	-	-
Central and South American	232	3	1	-	8	78	80	38	19	3	5	1	-
Male	208	2	1	-	5	69	78	32	16	3	2	-	-
Female	24	1	-	-	1	7	2	6	3	-	3	1	-
Other and unknown Hispanic	426	6	6	1	16	156	162	56	15	4	4	-	-
Male	360	6	3	-	12	135	139	50	11	2	2	-	-
Female	66	-	3	1	4	21	23	6	4	2	2	-	-
Non-Hispanic *	13,569	143	108	93	373	3,793	4,194	1,758	1,069	918	712	406	2
Male	10,935	83	57	50	291	3,295	3,786	1,584	783	566	334	125	1
Female	2,634	60	51	43	82	498	408	184	286	352	378	281	1
White	9,213	80	58	60	207	2,304	2,692	1,251	807	760	624	369	1
Male	7,595	47	31	34	173	2,144	2,544	1,151	582	475	299	104	1
Female	1,618	33	27	26	34	160	148	100	215	285	325	265	-
Black	4,154	60	48	27	158	1,440	1,455	482	235	138	79	31	1
Male	3,187	35	25	13	111	1,107	1,200	397	173	75	33	18	-
Female	967	25	23	14	47	333	255	85	62	63	46	13	1
Not stated *	819	11	8	10	16	219	262	118	80	48	35	18	1
Male	652	6	2	1	14	178	233	104	57	34	15	6	1
Female	167	5	6	9	2	34	29	14	23	15	20	10	-



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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988-Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix.]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)</b>	<b>284,711</b>	<b>54</b>	<b>395</b>	<b>657</b>	<b>1,206</b>	<b>3,267</b>	<b>9,515</b>	<b>23,421</b>	<b>58,181</b>	<b>87,764</b>	<b>72,362</b>	<b>27,934</b>	<b>15</b>
Male	151,179	28	187	386	713	1,810	4,225	11,715	32,156	49,439	38,695	12,025	10
Female	133,532	26	168	281	493	1,657	5,290	11,706	26,025	38,325	33,667	15,909	5
Hispanic	8,960	5	38	91	129	268	587	1,076	2,016	2,187	1,860	702	1
Male	4,777	1	15	51	88	138	253	519	1,099	1,213	1,026	373	1
Female	4,183	4	23	40	41	130	334	557	917	974	834	329	1
Mexican	5,424	4	20	71	72	152	321	567	1,178	1,367	1,209	464	1
Male	2,894	1	8	38	51	72	124	265	646	758	690	240	1
Female	2,530	3	12	33	21	80	197	302	530	609	519	224	1
Puerto Rican	1,141	-	6	4	17	38	98	170	290	272	178	70	-
Male	637	-	2	4	10	22	54	108	161	154	89	33	-
Female	504	-	4	-	7	16	44	62	129	118	87	37	-
Cuban	397	-	-	-	1	6	13	41	122	85	96	33	-
Male	234	-	-	-	-	5	10	20	73	51	53	22	-
Female	163	-	-	-	1	1	3	21	49	34	43	11	-
Central and South American	650	1	7	7	16	31	64	119	144	122	102	37	-
Male	260	-	4	5	11	14	24	37	65	65	31	14	-
Female	390	1	3	2	6	17	40	82	79	67	71	23	-
Other and unknown Hispanic	1,348	-	5	9	23	41	91	179	284	341	277	98	-
Male	752	-	1	4	16	25	41	89	154	195	163	64	-
Female	596	-	4	5	7	16	50	90	130	146	114	34	-
Non-Hispanic <sup>1</sup>	286,776	47	281	529	1,011	2,867	8,616	21,562	54,324	82,759	68,301	26,468	11
Male	141,455	27	147	328	589	1,401	3,815	10,799	29,941	46,592	38,484	11,327	7
Female	125,321	20	134	203	422	1,466	4,801	10,763	24,383	36,167	31,817	15,141	4
White	230,333	38	228	409	812	2,269	6,773	17,287	45,716	72,236	60,788	23,704	5
Male	121,073	22	120	260	478	1,131	2,890	8,481	25,059	40,356	32,181	9,993	4
Female	109,260	14	108	149	336	1,138	3,783	8,806	20,657	31,880	28,597	13,801	1
Black	31,737	10	40	88	167	505	1,555	3,707	7,525	9,270	6,548	2,316	8
Male	17,766	4	22	48	93	216	687	2,050	4,319	5,484	3,702	1,138	3
Female	13,971	6	18	40	74	289	868	1,657	3,206	3,786	2,846	1,178	3
Not stated <sup>2</sup>	8,975	2	16	37	68	132	312	783	1,841	2,018	2,201	764	3
Male	4,947	-	5	19	36	71	157	397	1,116	1,634	1,185	325	2
Female	4,028	2	11	18	30	61	155	386	725	1,184	1,016	439	1
<b>Malignant neoplasms of lip, oral cavity, and pharynx (140-149)</b>	<b>4,900</b>	<b>-</b>	<b>2</b>	<b>18</b>	<b>49</b>	<b>192</b>	<b>615</b>	<b>1,247</b>	<b>1,920</b>	<b>1,580</b>	<b>918</b>	<b>330</b>	<b>1</b>
Male	3,258	-	-	2	12	30	141	465	907	1,006	538	158	1
Female	1,642	-	-	6	18	51	150	340	522	380	174	174	-
Hispanic	163	-	-	-	4	3	12	35	40	34	30	5	-
Male	128	-	-	-	4	2	12	30	31	24	23	2	-
Female	35	-	-	-	-	1	13	5	9	10	7	3	-
Mexican	87	-	-	-	3	2	5	13	23	21	17	3	-
Male	69	-	-	-	3	1	5	11	17	15	15	2	-
Female	18	-	-	-	-	1	2	2	6	6	2	1	-
Puerto Rican	37	-	-	-	-	-	3	13	5	10	4	2	-
Male	29	-	-	-	-	-	3	11	5	7	3	-	-
Female	8	-	-	-	-	-	-	2	-	3	1	2	-
Cuban	6	-	-	-	-	-	1	1	3	-	1	-	-
Male	5	-	-	-	-	-	1	1	3	-	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	1	-	-
Central and South American	12	-	-	-	1	-	1	3	5	-	2	-	-
Male	8	-	-	-	1	-	1	2	3	-	1	-	-
Female	4	-	-	-	-	-	-	1	2	-	1	-	-
Other and unknown Hispanic	21	-	-	-	-	-	1	2	5	4	3	6	-
Male	17	-	-	-	-	-	1	2	5	3	2	4	-
Female	4	-	-	-	-	-	-	-	1	1	2	-	-
Non-Hispanic <sup>1</sup>	4,598	-	2	13	45	175	566	1,169	1,450	860	317	1	1
Male	3,035	-	2	8	27	126	425	847	952	497	150	1	1
Female	1,563	-	-	5	18	49	141	322	498	363	167	-	-
White	3,735	-	-	6	23	98	344	930	1,254	783	297	1	1
Male	2,398	-	-	1	4	10	70	249	685	815	444	139	1
Female	1,337	-	-	2	13	26	95	265	439	339	158	-	-
Black	754	-	-	1	6	18	64	196	221	166	66	16	-
Male	560	-	-	1	4	14	45	158	168	118	48	8	-
Female	194	-	-	2	4	18	40	53	50	18	8	-	-
Not stated <sup>2</sup>	139	-	-	-	1	1	5	14	38	44	28	8	-
Male	95	-	-	-	1	3	10	29	30	18	4	-	-
Female	44	-	-	-	1	2	4	9	14	10	4	-	-
<b>Malignant neoplasms of digestive organs and peritoneum (150-159)</b>	<b>69,248</b>	<b>4</b>	<b>11</b>	<b>9</b>	<b>75</b>	<b>408</b>	<b>1,602</b>	<b>4,524</b>	<b>12,605</b>	<b>21,078</b>	<b>19,785</b>	<b>9,149</b>	<b>9</b>
Male	36,595	3	8	5	41	237	982	2,837	7,763	11,993	9,556	3,169	1
Female	32,653	1	3	4	34	171	620	1,687	4,842	9,085	10,229	5,980	2
Hispanic	2,621	-	-	1	4	44	122	285	636	696	606	227	-
Male	1,480	-	-	2	30	83	170	402	379	310	104	-	-
Female	1,141	-	-	1	2	14	39	115	234	317	296	123	-
Mexican	1,567	-	-	1	4	23	68	144	370	431	388	138	-
Male	903	-	-	2	17	42	87	242	236	215	62	-	-
Female	664	-	-	1	2	6	26	57	128	185	173	76	-
Puerto Rican	328	-	-	-	6	23	58	82	83	51	25	-	-
Male	190	-	-	-	4	17	40	53	45	20	11	-	-
Female	138	-	-	-	2	6	18	29	38	31	14	-	-
Cuban	136	-	-	-	1	3	9	45	30	31	17	-	-
Male	83	-	-	-	1	3	6	28	18	17	10	-	-
Female	53	-	-	-	-	-	3	17	12	14	7	-	-
Central and South American	182	-	-	-	4	12	34	46	43	39	14	-	-
Male	84	-	-	-	2	8	13	22	23	11	4	-	-
Female	108	-	-	-	2	3	21	24	20	28	10	-	-
Other and unknown Hispanic	398	-	-	-	10	16	40	83	109	97	33	-	-
Male	220	-	-	-	6	12	24	57	57	47	17	-	-
Female	178	-	-	-	4	4	16	36	52	50	16	-	-
Non-Hispanic <sup>1</sup>	64,545	4	9	7	67	350	1,430	4,088	11,602	19,731	18,583	8,671	3
Male	33,973	3	6	4	38	201	867	2,574	7,128	11,237	8,944	2,972	1
Female	30,572	1	3	3	29	149	583	1,514	4,476	8,494	9,639	5,699	2
White	54,491	4	9	4	47	223	1,028	3,073	9,287	16,762	16,290	7,763	1
Male	28,368	3	6	2	26	126	626	1,808	5,694	9,523	7,830	2,828	-
Female	26,123	1	3	2	21	97	402	1,167	3,593	7,239	8,460	5,137	1
Black	8,363	-	-	-	15	99	311	832	1,924	2,486	1,938	756	2
Male	4,571	-	-	-	9	53	183	557	1,194	1,402	902	270	1
Female	3,792	-	-	-	6	46	128	275	730	1,084	1,036	486	1
Not stated <sup>2</sup>	2,082	-	2	1	4	14	50	151	367	646	596	251	-
Male	1,142	-	2	1	1	6							

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues-Con.													
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	80,804	3	4	5	23	188	1,577	7,169	20,978	29,085	17,804	3,964	4
Male	53,518	2	2	1	15	126	979	4,558	13,961	19,548	11,988	2,395	3
Female	27,286	1	2	4	8	62	598	2,611	7,017	9,537	5,816	1,629	1
Hispanic	1,739	-	-	1	-	7	57	184	435	518	406	130	1
Male	1,228	-	-	-	-	5	39	125	316	384	271	87	1
Female	511	-	-	1	-	2	18	59	119	134	135	43	-
Mexican	1,049	-	-	1	-	5	19	93	242	315	283	90	1
Male	731	-	-	-	-	4	15	60	174	234	186	57	1
Female	318	-	-	1	-	1	4	33	68	81	87	33	-
Puerto Rican	226	-	-	-	-	1	18	31	69	68	31	10	-
Male	158	-	-	-	-	-	12	24	47	51	18	4	-
Female	70	-	-	-	-	1	4	7	22	17	13	6	-
Cuban	84	-	-	-	-	-	3	12	31	19	22	6	-
Male	76	-	-	-	-	-	1	10	24	17	17	5	-
Female	18	-	-	-	-	-	2	2	7	2	5	1	-
Central and South American	84	-	-	-	-	-	7	15	23	22	12	5	-
Male	53	-	-	-	-	-	5	5	19	14	6	4	-
Female	31	-	-	-	-	-	2	10	4	8	6	1	-
Other and unknown Hispanic	286	-	-	-	-	1	11	33	70	94	58	18	-
Male	212	-	-	-	-	1	4	26	52	68	44	17	-
Female	74	-	-	-	-	-	7	7	18	26	14	2	-
Non-Hispanic *	76,618	3	4	3	23	172	1,481	6,767	18,889	27,702	16,902	3,710	2
Male	50,622	2	2	1	15	116	897	4,289	13,163	18,588	11,400	2,168	1
Female	25,996	1	2	2	8	56	584	2,478	6,706	9,134	5,502	1,542	1
White	66,817	2	4	3	18	129	1,181	5,479	16,869	24,516	15,240	3,325	1
Male	43,608	2	2	1	10	84	681	3,391	11,128	16,235	10,187	1,907	1
Female	23,208	-	2	2	8	45	470	2,088	5,641	8,281	5,053	1,418	-
Black	3,709	1	-	-	5	31	280	1,166	2,824	2,881	1,417	314	1
Male	6,281	-	-	-	5	24	213	823	1,851	2,107	1,036	222	-
Female	2,428	1	-	-	-	7	77	342	773	754	381	92	1
Not stated *	2,447	-	-	1	-	9	59	218	674	885	496	124	1
Male	1,608	-	-	-	-	5	43	144	482	596	317	80	1
Female	779	-	-	1	-	4	16	74	192	289	179	44	-
Malignant neoplasm of breast (174-175)	24,948	1	-	-	8	410	1,899	3,467	5,647	6,353	4,890	2,270	1
Male	160	-	-	-	-	3	7	15	24	54	39	18	-
Female	24,786	1	-	-	8	407	1,892	3,452	5,623	6,299	4,851	2,252	1
Hispanic	757	-	-	-	-	33	111	170	200	146	70	27	-
Male	4	-	-	-	-	-	-	1	2	1	-	-	-
Female	753	-	-	-	-	33	111	169	200	144	69	27	-
Mexican	466	-	-	-	-	23	72	98	107	99	41	18	-
Male	2	-	-	-	-	-	-	1	-	1	-	-	-
Female	454	-	-	-	-	23	72	95	107	98	41	18	-
Puerto Rican	81	-	-	-	-	2	16	13	33	15	8	4	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	91	-	-	-	-	2	16	13	33	15	8	4	-
Cuban	39	-	-	-	-	1	7	9	8	7	1	-	-
Male	1	-	-	-	-	-	-	-	1	-	-	-	-
Female	32	-	-	-	-	1	7	9	7	7	1	-	-
Central and South American	83	-	-	-	-	5	10	26	24	13	3	2	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	83	-	-	-	-	5	10	26	24	13	3	2	-
Other and unknown Hispanic	94	-	-	-	-	3	12	28	27	11	2	-	-
Male	1	-	-	-	-	-	-	-	-	1	-	-	-
Female	93	-	-	-	-	3	12	28	27	11	2	-	-
Non-Hispanic *	23,427	1	-	-	8	363	1,729	3,180	5,295	6,005	4,670	2,176	-
Male	150	-	-	-	-	2	7	13	23	51	36	19	-
Female	23,277	1	-	-	8	361	1,722	3,167	5,272	5,954	4,634	2,158	-
White	20,457	-	-	-	4	263	1,354	2,600	4,569	5,380	4,276	2,009	-
Male	121	-	-	-	-	1	5	7	20	44	30	14	-
Female	20,336	-	-	-	4	262	1,349	2,593	4,549	5,336	4,246	1,995	-
Black	2,669	1	-	-	4	91	341	510	636	567	358	161	-
Male	29	-	-	-	-	1	2	6	3	7	6	4	-
Female	2,640	1	-	-	4	90	339	504	633	560	352	157	-
Not stated *	762	-	-	-	-	14	59	117	152	202	150	67	1
Male	6	-	-	-	-	1	-	1	1	2	-	-	-
Female	758	-	-	-	-	13	59	116	151	201	148	67	1
Malignant neoplasms of genital organs (179-187)	31,340	2	3	2	68	363	835	1,635	4,424	9,318	10,256	4,429	3
Male	17,125	2	1	2	31	75	60	215	1,542	5,113	6,950	3,134	2
Female	14,215	-	2	2	37	288	775	1,420	2,882	4,205	3,306	1,295	1
Hispanic	1,035	-	1	-	11	34	80	109	172	253	271	104	-
Male	464	-	-	-	10	6	6	15	51	121	177	78	-
Female	571	-	1	-	1	28	74	94	121	132	94	26	-
Mexican	623	-	1	-	7	20	44	67	100	159	170	65	-
Male	280	-	-	-	6	5	3	7	27	74	109	48	-
Female	343	-	1	-	1	15	41	50	73	85	61	16	-
Puerto Rican	124	-	-	-	-	3	12	17	22	26	30	14	-
Male	57	-	-	-	-	-	1	3	6	13	22	12	-
Female	67	-	-	-	-	3	11	14	16	13	8	2	-
Cuban	44	-	-	-	-	1	1	4	11	8	18	1	-
Male	20	-	-	-	-	-	-	-	5	2	12	1	-
Female	24	-	-	-	-	1	1	4	6	6	6	-	-
Central and South American	84	-	-	-	2	7	10	11	15	14	15	10	-
Male	27	-	-	-	-	2	4	7	7	7	7	4	-
Female	57	-	-	-	-	5	6	4	8	7	8	6	-
Other and unknown Hispanic	160	-	-	-	2	3	13	20	24	46	38	14	-
Male	80	-	-	-	2	1	1	3	9	25	27	12	-
Female	80	-	-	-	-	2	12	17	15	21	11	2	-
Non-Hispanic *	29,386	2	2	2	53	321	737	1,472	4,117	8,783	9,880	4,214	3
Male	16,151	2	1	-	19	68	53	186	1,434	4,830	6,597	2,979	2
Female	13,235	-	1	2	34	253	684	1,276	2,683	3,953	3,113	1,235	1
White	24,418	-	1	2	47	253	564	1,161	3,316	7,291	8,163	3,819	1
Male	13,223	-	-	-	16	64	45	145	1,102	3,898	5,444	2,508	1
Female	11,195	-	1	2	31	189	519	1,016	2,214	3,393	2,719	1,111	-
Black	4,529	2	1	-	5	69	145	260	712	1,389	1,413	541	2
Male	2,743	2	1	-	2	2	7	49	318	885	1,051	425	1
Female	1,786	-	-	-	3	57	138	211	394	504	362	116	1
Not stated *	918	-	-	-	4	8	18	54	135	282	307	111	-
Male	510	-	-	-	2	1	1	4	57	162	206	77	-
Female	408	-	-	-	2	7	17	50	78	120	101	34	-

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.  
 [Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues—Con.													
Malignant neoplasms of urinary organs (188-189)	11,269	1	13	29	22	55	226	897	1,831	3,432	3,378	1,585	-
Male	7,161	-	6	20	12	35	138	481	1,258	2,288	2,137	788	-
Female	4,108	1	7	9	10	20	88	216	573	1,144	1,241	797	-
Hispanic	351	-	1	3	1	5	12	37	71	95	88	38	-
Male	217	-	-	1	1	3	9	21	44	59	55	24	-
Female	134	-	1	2	-	2	3	16	27	36	33	14	-
Mexican	223	-	-	3	-	3	8	20	48	80	58	23	-
Male	138	-	-	1	-	2	6	8	31	37	37	14	-
Female	87	-	-	2	-	1	2	12	17	20	21	9	-
Puerto Rican	38	-	-	-	1	2	1	4	9	8	9	4	-
Male	29	-	-	-	1	1	1	3	7	6	7	3	-
Female	9	-	-	-	-	1	-	1	2	2	2	1	-
Cuban	13	-	-	-	-	-	-	2	2	6	3	2	-
Male	9	-	-	-	-	-	-	1	-	4	2	2	-
Female	4	-	-	-	-	-	-	1	-	2	1	-	-
Central and South American	12	-	-	-	-	-	-	1	3	2	5	1	-
Male	5	-	-	-	-	-	-	1	1	2	1	-	-
Female	7	-	-	-	-	-	-	-	2	4	4	1	-
Other and unknown Hispanic	65	-	1	-	-	-	3	10	11	19	13	8	-
Male	38	-	-	-	-	-	2	8	5	10	8	5	-
Female	27	-	1	-	-	-	1	2	6	9	5	3	-
Non-Hispanic †	10,553	1	11	24	20	48	205	638	1,695	3,213	3,187	1,511	-
Male	6,705	-	6	17	10	30	124	445	1,164	2,150	2,015	744	-
Female	3,848	1	5	7	10	18	81	193	531	1,063	1,172	767	-
White	9,479	1	9	15	14	31	164	551	1,495	2,896	2,903	1,400	-
Male	6,074	-	4	9	6	18	97	397	1,042	1,964	1,842	695	-
Female	3,405	1	5	6	8	13	67	154	453	932	1,061	705	-
Black	944	-	1	9	6	16	37	78	173	278	251	95	-
Male	546	-	1	8	4	12	24	44	108	160	146	39	-
Female	393	-	-	1	2	4	13	34	65	118	105	56	-
Not stated *	365	-	1	2	1	2	9	22	65	124	103	36	-
Male	239	-	-	2	1	2	5	15	50	79	67	18	-
Female	126	-	1	-	-	-	4	7	15	45	36	18	-
Malignant neoplasms of all other and unspecified sites (170-173,190-199)	35,810	31	183	295	464	927	1,804	3,369	7,246	9,854	8,167	3,388	2
Male	19,239	17	99	160	263	547	1,128	1,953	4,229	5,572	3,980	1,309	2
Female	16,571	14	84	135	201	380	776	1,416	3,017	4,282	4,207	2,059	-
Hispanic	1,251	2	19	32	58	62	94	141	274	260	218	103	-
Male	677	1	10	17	32	29	46	83	158	149	105	47	-
Female	574	1	9	15	26	28	48	58	116	111	111	56	-
Mexican	785	2	9	24	29	34	53	77	183	176	141	77	-
Male	425	1	4	13	15	16	28	47	80	105	72	34	-
Female	360	1	5	11	14	18	25	30	73	71	69	43	-
Puerto Rican	144	-	2	2	10	5	8	17	43	28	19	9	-
Male	91	-	2	2	5	4	6	14	30	16	9	3	-
Female	53	-	-	-	5	1	3	3	13	12	10	6	-
Cuban	39	-	-	-	1	-	-	4	14	6	11	3	-
Male	21	-	-	-	-	-	-	1	7	6	5	2	-
Female	18	-	-	-	1	-	-	3	7	-	6	1	-
Central and South American	96	-	5	4	4	2	11	16	18	15	16	5	-
Male	46	-	3	2	2	2	3	8	12	3	3	2	-
Female	58	-	2	2	2	-	8	8	6	12	13	3	-
Other and unknown Hispanic	187	-	3	2	14	11	21	27	36	35	29	9	-
Male	100	-	1	-	10	7	9	19	19	19	16	6	-
Female	87	-	2	2	4	4	12	14	17	16	13	3	-
Non-Hispanic †	33,315	27	154	249	386	831	1,754	3,111	6,723	8,243	7,672	3,164	1
Male	17,848	16	86	138	224	480	1,048	1,799	3,810	5,204	3,710	1,222	1
Female	15,467	11	68	111	162	341	706	1,312	2,813	4,039	3,962	1,942	-
White	29,360	22	123	189	313	741	1,496	2,631	5,784	8,231	5,942	2,888	-
Male	15,758	14	70	108	185	430	906	1,501	3,308	4,649	3,386	1,123	-
Female	13,602	8	53	81	128	303	590	1,130	2,386	3,582	3,576	1,765	-
Black	3,448	4	26	50	64	74	221	426	817	992	617	244	1
Male	1,825	1	13	23	30	40	129	272	454	497	285	86	1
Female	1,621	3	13	27	34	34	98	154	363	405	332	158	-
Not stated *	1,244	2	10	14	20	44	56	117	249	351	279	101	1
Male	714	-	3	5	7	28	34	71	161	219	145	40	1
Female	530	2	7	9	13	16	22	46	88	132	134	61	-
Leukemia (204-208)	10,402	10	106	258	344	361	542	698	1,474	2,582	2,770	1,277	-
Male	5,776	4	44	126	220	214	308	410	895	1,513	1,489	514	-
Female	4,626	6	62	93	124	147	234	288	579	1,049	1,281	763	-
Hispanic	427	2	15	44	38	47	54	41	74	38	50	24	-
Male	246	-	5	29	29	30	29	27	38	21	27	11	-
Female	181	2	10	15	9	17	25	14	38	17	23	13	-
Mexican	277	1	9	35	27	26	36	21	53	22	32	15	-
Male	160	-	4	21	23	16	17	16	28	12	17	6	-
Female	117	1	5	14	4	10	19	5	25	10	15	9	-
Puerto Rican	45	-	4	2	2	5	6	5	7	6	8	-	-
Male	24	-	-	2	-	2	5	3	3	4	5	-	-
Female	21	-	4	-	2	3	1	2	4	2	3	-	-
Cuban	10	-	-	-	-	2	-	1	4	-	-	3	-
Male	7	-	-	-	-	2	-	-	3	-	-	2	-
Female	3	-	-	-	-	-	-	1	1	-	-	1	-
Central and South American	38	1	2	3	6	7	5	4	3	1	6	-	-
Male	20	-	1	3	4	6	2	1	1	-	2	-	-
Female	18	1	1	-	2	1	3	3	2	1	4	-	-
Other and unknown Hispanic	57	-	-	4	3	7	7	10	7	9	4	6	-
Male	35	-	-	3	2	4	5	7	3	5	3	3	-
Female	22	-	-	1	1	3	2	3	4	4	1	3	-
Non-Hispanic †	9,562	8	88	196	281	298	455	628	1,398	2,417	2,630	1,223	-
Male	5,293	4	39	126	174	174	258	367	818	1,425	1,409	499	-
Female	4,269	4	49	70	107	124	197	261	580	992	1,221	724	-
White	8,494	6	71	157	227	240	374	543	1,179	2,156	2,406	1,135	-
Male	4,719	3	32	107	143	142	209	318	724	1,284	1,300	457	-
Female	3,775	3	39	50	84	98	165	225	455	872	1,106	678	-
Black	881	2	11	23	41	50	60	83	131	222	195	83	-
Male	472	1	6	12	25	30	38	39	78	116	91	41	-
Female	409	1	5	11	16	20	22	24	50	106	104	42	-
Not stated *	413	-	3	18	25	16	33	29	62	107	80	30	-
Male	237	-	-	10	17	10	21	16	39	67	53	4	-
Female	176	-	3	8	8	6	12	13	23	40	27	26	-

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-044; see Technical Appendix.]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues—Con.</b>													
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)	15,992	2	15	57	184	506	738	1,247	2,729	4,559	4,392	1,562	1
Male	8,347	2	7	43	119	349	482	761	1,577	2,352	2,038	604	1
Female	7,645	—	8	14	65	159	256	466	1,152	2,207	2,354	958	—
Hispanic	618	1	2	10	13	43	45	74	114	147	123	44	—
Male	333	—	—	4	10	33	29	47	59	74	57	20	—
Female	283	1	2	6	3	10	16	27	55	73	66	24	—
Mexican	357	1	1	7	2	16	16	46	70	84	79	35	—
Male	188	—	—	3	2	11	8	28	37	44	39	16	—
Female	169	1	1	4	—	5	8	18	33	40	40	19	—
Puerto Rican	108	—	—	—	4	14	12	12	20	28	18	2	—
Male	61	—	—	—	4	11	9	10	10	12	5	—	—
Female	47	—	—	—	—	3	3	2	10	16	11	2	—
Cuban	22	—	—	—	—	2	3	1	5	8	3	—	—
Male	12	—	—	—	—	2	3	1	3	3	—	—	—
Female	10	—	—	—	—	—	—	—	2	5	3	—	—
Central and South American	49	—	—	—	3	6	8	9	7	12	4	—	—
Male	23	—	—	—	2	4	3	5	3	6	—	—	—
Female	26	—	—	—	1	2	5	4	4	6	4	—	—
Other and unknown Hispanic	80	—	1	3	4	5	6	6	12	15	21	7	—
Male	49	—	—	1	2	5	6	3	6	9	13	4	—
Female	31	—	1	2	2	—	—	—	6	6	8	3	—
Non-Hispanic †	14,772	1	13	46	160	439	670	1,112	2,516	4,215	4,117	1,482	1
Male	7,678	—	7	38	101	283	435	691	1,456	2,175	1,906	575	1
Female	7,094	1	6	8	59	146	235	421	1,060	2,040	2,211	907	—
White	13,082	1	11	38	136	365	566	905	2,187	3,750	3,763	1,358	1
Male	6,803	—	6	32	86	248	371	587	1,288	1,944	1,738	524	1
Female	6,279	1	5	6	50	118	185	318	901	1,806	2,025	834	—
Black	1,442	—	1	5	21	67	86	177	287	399	293	106	—
Male	739	—	1	4	14	40	52	104	150	194	137	43	—
Female	703	—	—	1	7	27	34	73	137	205	156	63	—
Not stated ‡	604	—	—	1	11	24	23	61	99	197	152	36	—
Male	336	—	—	1	8	17	18	43	62	103	75	9	—
Female	268	—	—	—	3	7	5	18	37	94	77	27	—
<b>Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)</b>													
	4,021	42	40	85	58	122	172	255	487	919	1,166	705	—
Male	1,753	16	19	31	40	61	89	132	237	435	462	221	—
Female	2,268	28	21	34	18	61	73	123	250	484	694	484	—
Hispanic	181	7	8	6	3	9	9	17	34	33	41	14	—
Male	88	2	3	2	2	7	7	7	18	17	18	5	—
Female	93	5	5	4	1	2	2	10	16	16	23	9	—
Mexican	98	3	6	5	2	4	3	8	20	16	23	8	—
Male	48	2	1	2	1	2	2	1	14	8	10	3	—
Female	52	1	5	3	1	2	1	7	6	8	13	5	—
Puerto Rican	33	3	1	1	1	1	1	5	6	6	6	2	—
Male	16	—	—	—	1	1	1	4	3	3	2	—	—
Female	17	3	1	1	—	—	—	1	3	3	4	2	—
Cuban	13	—	1	—	—	—	—	2	2	4	2	—	—
Male	6	—	1	—	—	—	—	1	—	2	1	1	—
Female	7	—	—	—	—	—	—	1	2	2	1	—	—
Central and South American	18	1	—	—	—	3	4	—	3	5	2	—	—
Male	10	—	—	—	—	3	3	—	1	2	1	—	—
Female	8	1	—	—	—	—	1	—	2	3	1	—	—
Other and unknown Hispanic	19	—	—	—	—	1	1	2	3	2	8	2	—
Male	10	—	—	—	—	1	1	1	—	2	4	1	—
Female	9	—	—	—	—	—	—	1	3	—	4	1	—
Non-Hispanic †	3,690	32	31	58	52	104	158	231	433	849	1,078	664	—
Male	1,804	14	16	29	37	48	80	121	212	405	424	207	—
Female	2,086	18	15	29	15	55	69	110	221	444	654	457	—
White	3,172	28	21	43	40	78	131	182	346	733	953	607	—
Male	1,383	11	9	21	30	39	79	102	176	358	371	187	—
Female	1,789	17	12	22	10	39	52	80	170	375	582	420	—
Black	454	2	10	13	8	20	24	34	78	109	105	51	—
Male	185	2	7	6	3	8	10	16	32	44	40	17	—
Female	269	—	3	7	5	12	14	18	46	65	65	34	—
Not stated ‡	150	3	1	1	3	9	5	7	20	37	37	27	—
Male	81	—	—	—	1	5	2	4	7	13	20	9	—
Female	69	3	1	1	2	4	3	3	13	24	17	18	—
<b>Diabetes mellitus (250)</b>													
	24,302	4	18	80	420	860	1,574	3,771	6,735	7,029	3,810	—	—
Male	10,103	—	2	7	42	245	507	845	1,788	2,939	2,656	1,062	—
Female	14,199	1	2	11	38	176	363	729	1,973	3,796	4,373	2,748	—
Hispanic	1,584	—	—	1	5	24	46	142	343	453	412	158	—
Male	681	—	—	—	3	16	25	70	164	200	153	50	—
Female	903	—	—	1	2	8	21	72	179	253	259	108	—
Mexican	1,063	—	—	1	3	14	23	94	239	301	279	109	—
Male	464	—	—	—	2	9	14	45	109	141	107	37	—
Female	599	—	—	1	1	5	9	49	130	160	172	72	—
Puerto Rican	212	—	—	—	1	4	12	21	48	63	52	11	—
Male	80	—	—	—	—	3	8	11	27	26	12	3	—
Female	122	—	—	—	1	1	4	10	21	37	40	8	—
Cuban	39	—	—	—	—	1	2	—	4	14	12	6	—
Male	14	—	—	—	—	—	1	—	3	6	3	1	—
Female	25	—	—	—	—	1	1	—	1	8	9	5	—
Central and South American	69	—	—	—	—	2	4	4	9	15	21	4	—
Male	25	—	—	—	—	1	2	2	3	7	9	1	—
Female	34	—	—	—	—	1	2	2	6	8	12	3	—
Other and unknown Hispanic	211	—	—	—	—	3	5	23	49	60	48	28	—
Male	98	—	—	—	—	1	3	—	12	20	22	8	—
Female	123	—	—	—	—	—	—	5	11	21	26	20	—
Non-Hispanic †	21,554	1	3	18	89	386	780	1,376	3,282	6,081	6,400	3,551	—
Male	9,089	—	2	7	34	226	465	740	1,560	2,641	2,413	981	—
Female	12,885	1	1	9	35	160	315	636	1,722	3,440	3,986	2,570	—
White	17,314	—	3	14	47	294	599	948	2,361	4,702	5,327	3,079	—
Male	7,296	—	2	7	25	170	332	527	1,174	2,120	2,046	863	—
Female	10,048	—	1	7	22	124	267	421	1,187	2,582	3,281	2,216	—
Black	4,100	1	—	2	18	87	224	375	816	1,222	946	408	—
Male	1,550	—	—	—	8	52	125	188	339	444	302	81	—
Female	2,550	1	—	2	10	35	99	186	477	778	644	318	—
Not stated ‡	784	—	—	1	6	10	34	56	146	201	208	101	—
Male	353	—	—	—	5	3	17	35	74	98	90	31	—
Female													

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.  
 [Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042.\*044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Nutritional deficiencies (260-289)</b>	1,653	18	1	3	2	14	24	23	89	203	504	792	-
Male	817	7	1	1	2	9	17	17	35	105	202	221	-
Female	1,036	11	-	2	-	5	7	6	34	98	302	571	-
Hispanic	45	-	-	-	-	-	5	-	2	4	17	17	-
Male	25	-	-	-	-	-	5	-	2	2	8	7	-
Female	20	-	-	-	-	-	-	-	-	2	9	10	-
Mexican	29	-	-	-	-	-	4	-	-	2	12	11	-
Male	17	-	-	-	-	-	4	-	-	1	6	6	-
Female	12	-	-	-	-	-	-	-	-	1	6	5	-
Puerto Rican	6	-	-	-	-	-	1	-	-	2	2	1	-
Male	3	-	-	-	-	-	1	-	-	1	1	1	-
Female	3	-	-	-	-	-	-	-	-	1	1	1	-
Cuban	1	-	-	-	-	-	-	-	-	-	1	-	-
Male	1	-	-	-	-	-	-	-	-	-	1	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	1	-	-	-	-	-	-	-	-	-	-	1	-
Male	1	-	-	-	-	-	-	-	-	-	-	1	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	8	-	-	-	-	-	-	-	2	-	2	4	-
Male	3	-	-	-	-	-	-	-	2	-	1	-	-
Female	5	-	-	-	-	-	-	-	-	-	1	4	-
Non-Hispanic *	1,565	18	1	3	2	14	19	21	64	192	476	755	-
Male	572	7	1	1	2	9	12	16	30	98	181	205	-
Female	993	11	-	2	-	5	7	5	34	94	285	550	-
White	1,305	10	1	1	1	10	11	14	46	143	409	659	-
Male	449	4	1	1	1	6	6	9	18	71	182	171	-
Female	856	6	-	1	-	4	5	5	28	72	247	488	-
Black	231	7	-	1	-	3	7	6	18	46	57	86	-
Male	109	3	-	-	-	2	5	6	12	25	26	30	-
Female	122	4	-	1	-	1	2	-	6	21	31	56	-
Not stated *	43	-	-	-	-	-	-	2	3	7	11	20	-
Male	20	-	-	-	-	-	-	1	3	5	2	9	-
Female	23	-	-	-	-	-	-	1	-	2	9	11	-
<b>Anemias (280-285)</b>	2,197	15	30	35	68	99	82	76	147	326	631	676	-
Male	952	9	20	18	41	63	49	44	79	170	285	104	-
Female	1,245	6	10	17	27	36	43	34	68	156	366	482	-
Hispanic	78	1	1	4	5	4	6	5	11	12	18	13	-
Male	40	1	1	2	1	4	2	3	6	7	8	5	-
Female	38	-	-	2	4	-	4	2	5	5	8	8	-
Mexican	56	-	1	3	3	2	4	3	8	9	13	10	-
Male	30	-	1	1	1	2	2	2	4	5	7	5	-
Female	26	-	-	2	2	-	2	1	4	4	6	5	-
Puerto Rican	7	-	-	1	-	1	1	1	1	-	1	1	-
Male	4	-	-	1	-	1	-	1	1	-	-	-	-
Female	3	-	-	-	-	-	1	-	-	-	1	1	-
Cuban	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	4	-	-	-	2	-	-	-	2	-	-	-	-
Male	1	-	-	-	-	-	-	-	1	-	-	-	-
Female	3	-	-	-	2	-	-	-	1	-	-	-	-
Other and unknown Hispanic	11	1	-	-	-	1	1	1	3	2	2	2	-
Male	5	1	-	-	-	1	-	-	2	1	1	-	-
Female	6	-	-	-	-	-	1	1	1	1	1	2	-
Non-Hispanic *	2,057	19	28	30	61	93	81	70	131	306	597	647	-
Male	875	7	18	16	39	57	45	38	88	158	248	181	-
Female	1,182	6	10	14	22	36	36	32	63	148	349	466	-
White	1,592	4	7	11	20	24	24	35	100	260	520	587	-
Male	640	4	6	5	16	12	16	18	56	137	208	161	-
Female	952	-	1	6	4	12	8	17	44	123	311	426	-
Black	420	1	21	18	39	68	55	35	30	36	66	51	-
Male	208	-	12	10	22	43	28	20	11	15	32	15	-
Female	212	1	9	8	17	23	27	15	19	23	34	36	-
Not stated *	62	1	1	1	2	2	5	3	5	8	18	18	-
Male	37	1	1	-	1	2	2	3	5	5	9	8	-
Female	25	-	-	1	1	-	3	-	-	3	9	8	-
<b>Meningitis (920-922)</b>	761	129	80	33	26	35	33	56	77	129	109	56	-
Male	397	69	47	12	14	24	28	39	49	76	40	21	-
Female	364	60	33	21	12	11	7	17	28	72	68	35	-
Hispanic	69	19	8	6	5	6	3	4	6	9	2	1	-
Male	38	12	4	4	3	3	1	3	4	4	4	1	-
Female	31	7	4	2	2	3	2	1	2	5	2	1	-
Mexican	45	14	6	6	3	2	2	3	3	5	-	1	-
Male	23	8	2	4	3	1	-	2	1	2	-	-	-
Female	22	6	4	2	-	1	2	1	2	3	-	1	-
Puerto Rican	9	2	1	-	1	2	1	-	-	-	2	-	-
Male	5	2	1	-	1	1	1	-	-	-	-	-	-
Female	4	-	-	-	1	1	-	-	-	-	2	-	-
Cuban	3	-	-	-	-	-	-	-	1	2	-	-	-
Male	1	-	-	-	-	-	-	-	1	-	-	-	-
Female	2	-	-	-	-	-	-	-	-	2	-	-	-
Central and South American	2	-	1	-	-	1	-	-	-	-	-	-	-
Male	2	-	1	-	-	1	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	10	3	-	-	1	1	-	1	2	2	-	-	-
Male	7	2	-	-	-	-	-	1	2	2	-	-	-
Female	3	1	-	-	1	1	-	-	-	-	-	-	-
Non-Hispanic *	657	107	68	26	19	29	30	46	67	111	101	53	-
Male	341	55	41	8	10	21	25	32	43	49	37	20	-
Female	316	52	27	18	9	8	5	14	24	62	64	33	-
White	430	65	41	17	15	16	14	15	44	86	77	40	-
Male	212	38	25	5	9	11	9	9	28	37	27	14	-
Female	218	27	16	12	6	5	5	6	16	49	50	26	-
Black	210	36	27	8	4	12	16	30	21	22	23	12	-
Male	118	16	16	2	1	9	15	22	13	10	9	5	-
Female	82	20	11	6	3	3	-	8	8	12	14	7	-
Not stated *	35	3	4	1	2	-	-	6	4	8	5	2	-
Male	18	2	2	-	1	-	-	4	2	3	3	1	-
Female	17	1	2	1	1	-	-	2	2	5	2	1	-

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix.]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Major cardiovascular diseases (390-449)</b>	568,833	625	274	231	885	2,993	9,281	22,744	61,591	125,786	161,530	162,840	73
Male	275,474	357	133	124	550	1,957	6,612	16,146	41,235	75,261	84,686	48,370	43
Female	293,359	268	141	107	335	1,036	2,649	6,698	20,356	50,525	66,844	114,470	30
Hispanic	17,300	62	42	34	111	275	571	1,267	2,873	4,004	4,638	3,396	7
Male	9,299	45	16	15	76	195	416	882	1,829	2,250	2,254	1,316	5
Female	8,001	37	26	19	35	80	155	385	1,044	1,754	2,384	2,080	2
Mexican	10,647	58	29	19	65	144	317	694	1,740	2,433	2,945	2,204	5
Male	5,779	33	12	8	46	104	241	488	1,088	1,399	1,489	874	3
Female	4,868	25	17	5	19	40	78	208	852	1,040	1,456	1,330	2
Puerto Rican	2,352	6	6	9	16	40	109	261	443	561	563	329	-
Male	1,213	3	3	4	9	35	72	179	279	277	247	105	-
Female	1,139	3	3	5	7	14	37	82	164	284	316	224	-
Cuban	755	1	1	1	-	2	15	45	130	161	240	159	-
Male	394	-	-	-	-	2	11	35	97	85	103	51	-
Female	361	1	1	1	-	-	4	10	33	68	137	108	-
Central and South American	933	4	1	3	10	32	61	93	148	234	198	149	-
Male	455	3	-	-	6	20	39	60	83	120	74	48	-
Female	478	1	1	3	2	12	22	33	65	114	124	101	-
Other and unknown Hispanic	2,613	13	5	8	20	48	69	174	412	615	692	555	2
Male	1,458	6	1	3	13	34	53	120	286	365	341	236	2
Female	1,155	7	4	5	7	14	16	54	130	250	351	317	-
Non-Hispanic	532,380	514	219	188	735	2,594	8,307	20,520	56,203	116,982	171,037	155,032	49
Male	255,822	297	112	104	451	1,678	5,905	14,554	37,562	70,931	79,548	45,655	25
Female	276,458	217	107	84	284	916	2,402	5,966	18,641	46,051	81,489	109,377	24
White	463,002	313	134	134	475	1,631	5,714	15,229	45,036	100,183	152,078	142,843	32
Male	222,176	187	66	77	296	1,092	4,265	11,257	30,991	61,146	71,105	41,693	19
Female	241,826	126	68	57	179	549	1,449	3,972	14,045	39,035	80,973	101,180	13
Black	61,005	177	71	47	248	899	2,389	4,810	10,098	14,962	16,698	10,591	15
Male	29,353	95	37	24	146	555	1,497	2,898	5,672	7,751	7,130	3,252	8
Female	31,852	82	34	23	102	344	892	1,912	4,226	7,211	9,568	7,339	8
Not stated	19,153	29	13	9	39	124	383	857	2,515	4,800	5,855	4,412	17
Male	10,253	15	5	5	23	84	291	710	1,844	2,990	2,894	1,399	13
Female	8,900	14	8	4	16	40	82	247	671	1,820	2,961	3,013	4
<b>Diseases of heart (390-399, 402, 404-420)</b>	448,581	598	231	180	687	2,212	7,408	10,100	52,240	102,734	149,643	122,530	64
Male	225,815	309	109	102	438	1,525	5,585	14,122	35,853	62,813	67,014	37,404	41
Female	222,766	289	122	78	249	687	1,821	4,978	16,396	39,921	73,629	85,125	23
Hispanic	13,685	73	39	24	77	201	404	887	2,363	3,271	3,609	2,630	7
Male	7,531	39	14	11	56	158	315	780	1,531	1,888	1,762	1,022	5
Female	6,154	34	25	13	21	43	89	257	832	1,383	1,847	1,608	2
Mexican	9,342	53	27	8	48	107	231	536	1,418	1,953	2,258	1,698	5
Male	4,654	29	10	5	37	82	188	406	899	1,158	1,155	682	3
Female	3,688	24	17	3	11	25	43	130	519	795	1,103	1,016	2
Puerto Rican	1,951	5	6	8	11	37	81	209	378	478	466	272	-
Male	1,009	3	3	3	6	28	58	146	243	236	203	81	-
Female	942	2	3	5	5	8	25	63	135	242	263	191	-
Cuban	629	1	1	-	-	2	11	35	112	136	203	128	-
Male	335	-	-	-	-	2	9	30	83	82	86	43	-
Female	294	1	1	-	-	-	2	5	29	54	117	85	-
Central and South American	722	3	-	2	6	21	34	71	116	186	155	118	-
Male	357	2	-	6	6	16	26	46	71	102	59	39	-
Female	355	1	-	2	-	5	8	25	45	94	96	79	-
Other and unknown Hispanic	2,841	11	5	6	12	34	47	138	339	508	527	414	2
Male	1,166	5	1	3	7	29	38	102	235	310	259	177	2
Female	875	6	4	3	5	5	11	34	104	198	268	237	-
Non-Hispanic	419,375	498	180	149	558	1,922	6,894	17,318	47,735	95,597	132,367	116,437	40
Male	209,256	256	80	88	364	1,304	5,025	12,776	32,714	58,459	62,900	35,257	23
Female	210,119	182	80	61	194	618	1,869	4,542	15,021	37,078	69,467	81,180	17
White	366,809	272	109	104	343	1,224	4,766	13,185	38,824	82,523	118,052	107,379	28
Male	182,614	185	52	64	227	850	3,748	10,127	27,323	51,383	58,423	32,232	18
Female	184,195	107	57	40	116	374	1,018	3,058	11,501	31,138	61,629	75,147	10
Black	46,864	146	60	40	205	651	1,782	3,780	8,073	11,621	12,672	7,913	12
Male	23,268	78	32	22	130	422	1,169	2,405	4,285	6,183	5,486	2,501	5
Female	23,696	68	28	18	75	229	613	1,384	3,248	5,438	7,176	5,412	7
Not stated	15,501	25	12	7	32	89	308	785	2,151	3,926	4,667	3,472	17
Male	8,528	14	5	3	18	63	246	616	1,600	2,468	2,352	1,125	13
Female	6,973	11	7	4	14	26	83	179	543	1,460	2,315	2,347	4
<b>Rheumatic fever and rheumatic heart disease (390-399)</b>	3,809	4	-	6	29	49	144	277	603	1,125	1,181	491	-
Male	1,170	3	-	4	18	23	57	107	208	356	291	105	-
Female	2,739	1	-	2	11	26	87	170	397	769	890	386	-
Hispanic	137	-	-	1	4	7	13	19	28	40	20	7	-
Male	39	-	-	-	2	4	2	6	9	9	4	3	-
Female	88	-	-	1	2	3	11	13	17	31	16	4	-
Mexican	74	-	-	-	1	5	9	10	12	22	13	2	-
Male	19	-	-	-	-	2	1	4	4	4	4	-	-
Female	55	-	-	-	1	3	8	6	8	18	9	2	-
Puerto Rican	16	-	-	1	1	2	2	3	6	3	-	-	-
Male	8	-	-	-	1	2	1	4	4	-	-	-	-
Female	10	-	-	1	-	-	1	3	2	3	-	-	-
Cuban	4	-	-	-	-	-	-	-	1	-	3	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	4	-	-	-	-	-	-	-	1	-	3	-	-
Central and South American	10	-	-	-	-	-	2	2	1	4	1	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	10	-	-	-	-	-	2	2	1	4	1	-	-
Other and unknown Hispanic	31	-	-	-	2	-	-	4	6	11	3	5	-
Male	12	-	-	-	1	-	-	2	1	5	-	3	-
Female	19	-	-	-	1	-	-	2	5	6	3	2	-
Non-Hispanic	3,620	4	-	5	23	41	123	245	554	1,035	1,119	471	-
Male	1,086	3	-	4	15	19	52	95	188	333	276	101	-
Female	2,534	1	-	1	8	22	71	150	366	702	843	370	-
White	3,282	3	-	1	16	24	75	190	491	968	1,069	445	-
Male	982	2	-	1	11	10	35	75	169	308	258	93	-
Female	2,320	1	-	-	5	14	40</						

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix.]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Diseases of heart-Con.</b>													
Hypertensive heart disease (402)	12,708	1	1	1	10	91	317	840	1,866	3,037	3,608	2,932	4
Male	5,375	1	1	1	8	83	207	543	1,111	1,585	1,282	811	3
Female	7,333	-	-	1	2	28	110	297	755	1,472	2,346	2,321	1
Hispanic	408	1	-	-	-	8	11	40	87	98	97	68	-
Male	209	1	-	-	-	5	9	30	54	55	38	17	-
Female	199	-	-	-	-	1	2	10	33	43	59	51	-
Mexican	275	1	-	-	-	2	6	22	63	62	67	52	-
Male	195	1	-	-	-	1	4	17	39	38	24	11	-
Female	140	-	-	-	-	1	2	5	24	24	43	41	-
Puerto Rican	46	-	-	-	-	1	3	9	7	15	7	4	-
Male	32	-	-	-	-	1	3	8	5	8	5	2	-
Female	14	-	-	-	-	-	-	1	2	7	2	2	-
Cuban	20	-	-	-	-	-	1	1	3	5	6	4	-
Male	10	-	-	-	-	-	1	1	1	3	2	2	-
Female	10	-	-	-	-	-	-	-	2	4	4	2	-
Central and South American	16	-	-	-	-	1	-	3	4	1	6	1	-
Male	5	-	-	-	-	1	-	1	1	-	2	-	-
Female	11	-	-	-	-	-	-	2	3	1	4	1	-
Other and unknown Hispanic	51	-	-	-	-	2	1	5	10	15	11	7	-
Male	27	-	-	-	-	2	1	3	8	6	5	2	-
Female	24	-	-	-	-	-	-	2	2	9	6	5	-
Non-Hispanic *	11,932	-	1	1	10	79	292	769	1,711	2,848	3,413	2,506	2
Male	4,973	-	1	1	6	53	188	491	1,010	1,482	1,179	580	1
Female	6,959	-	-	1	2	26	104	278	701	1,366	2,234	2,226	1
White	8,380	-	-	-	2	29	122	349	958	1,948	2,592	2,358	2
Male	3,321	-	-	-	2	20	91	258	593	1,018	888	452	1
Female	5,059	-	-	-	-	9	31	91	365	930	1,706	1,906	1
Black	3,352	-	1	1	8	49	185	406	723	840	745	414	-
Male	1,533	-	1	1	6	32	93	222	397	405	289	114	-
Female	1,819	-	-	1	2	17	72	184	328	435	482	300	-
Not stated *	388	-	-	-	-	6	14	31	68	91	88	58	2
Male	193	-	-	-	-	5	10	22	47	48	45	14	2
Female	175	-	-	-	-	1	4	9	21	43	53	44	-
Hypertensive heart and renal disease (404)	1,513	1	-	-	9	11	31	47	140	292	528	454	-
Male	610	-	-	-	3	8	19	25	62	127	214	152	-
Female	903	1	-	-	6	3	12	22	78	165	314	302	-
Hispanic	40	-	-	-	1	2	2	2	5	7	16	5	-
Male	18	-	-	-	2	1	2	2	3	6	6	2	-
Female	22	-	-	-	1	1	1	3	4	10	3	-	-
Mexican	27	-	-	-	1	1	-	2	3	5	11	4	-
Male	11	-	-	-	1	1	-	2	1	4	2	-	-
Female	16	-	-	-	1	-	-	1	2	4	7	2	-
Puerto Rican	4	-	-	-	-	1	-	-	1	1	1	-	-
Male	2	-	-	-	-	1	-	-	-	-	1	-	-
Female	2	-	-	-	-	-	-	-	1	-	-	-	-
Cuban	1	-	-	-	-	-	-	-	-	-	-	-	-
Male	1	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	2	-	-	-	-	-	1	-	-	1	-	-	-
Male	1	-	-	-	-	-	-	-	-	-	-	-	-
Female	1	-	-	-	-	-	1	-	-	-	-	-	-
Other and unknown Hispanic	6	-	-	-	-	-	1	-	1	-	3	1	-
Male	3	-	-	-	-	-	1	-	1	-	1	-	-
Female	3	-	-	-	-	-	-	-	-	-	2	1	-
Non-Hispanic *	1,438	1	-	-	8	9	29	43	130	279	501	438	-
Male	582	-	-	-	3	6	18	22	58	121	205	149	-
Female	856	1	-	-	5	3	11	21	72	158	296	289	-
White	998	1	-	-	3	2	4	16	66	166	367	373	-
Male	391	-	-	-	1	2	3	7	32	73	153	120	-
Female	607	1	-	-	2	-	1	9	34	93	214	253	-
Black	424	-	-	-	5	7	25	25	63	110	130	59	-
Male	179	-	-	-	2	4	15	14	25	46	48	25	-
Female	245	-	-	-	3	3	10	11	38	64	82	34	-
Not stated *	35	-	-	-	-	-	-	2	5	6	11	11	-
Male	10	-	-	-	-	-	-	1	2	3	3	1	-
Female	25	-	-	-	-	-	-	1	3	3	8	10	-
Ischemic heart disease (410-414)	303,110	23	8	8	84	727	4,199	12,419	35,113	71,356	97,307	81,748	29
Male	159,337	12	3	4	68	558	3,432	9,645	24,813	44,697	47,811	25,478	18
Female	148,773	11	5	4	16	169	768	2,774	10,300	26,659	49,788	58,272	11
Hispanic	8,669	3	1	2	9	44	196	598	1,489	2,209	2,404	1,732	2
Male	4,756	1	1	1	7	37	173	449	971	1,284	1,187	884	1
Female	3,903	2	-	1	2	7	23	139	488	945	1,237	1,048	1
Mexican	5,099	2	1	1	4	20	112	297	838	1,287	1,448	1,047	2
Male	2,823	-	1	1	3	16	105	236	540	748	736	436	1
Female	2,218	2	-	-	1	4	7	61	298	519	712	611	1
Puerto Rican	1,383	-	-	1	3	11	38	139	266	361	353	213	-
Male	683	-	-	-	2	9	28	95	172	170	150	59	-
Female	700	-	-	1	1	2	10	44	94	191	203	154	-
Cuban	440	-	-	-	1	2	6	19	73	88	147	95	-
Male	232	-	-	-	-	2	6	15	50	59	64	30	-
Female	208	-	-	-	-	-	-	4	17	39	83	65	-
Central and South American	474	1	-	-	2	5	18	37	74	135	112	90	-
Male	247	1	-	-	2	4	18	27	49	73	45	30	-
Female	227	-	-	-	-	1	2	10	25	62	67	60	-
Other and unknown Hispanic	1,323	-	-	-	-	8	24	96	218	348	344	267	-
Male	771	-	-	-	-	8	20	76	154	214	172	129	-
Female	552	-	-	-	-	-	4	20	64	134	172	158	-
Non-Hispanic *	284,084	19	5	6	70	650	3,834	11,337	32,255	66,526	91,702	77,839	21
Male	145,789	11	1	3	57	496	3,109	8,789	22,785	41,755	44,780	24,001	12
Female	138,285	8	4	3	13	154	725	2,538	9,460	24,771	46,942	53,838	9
White	255,487	12	3	5	41	475	3,058	9,283	27,442	59,212	83,439	72,502	17
Male	131,303	7	-	3	34	385	2,540	7,430	19,867	37,739	40,998	22,308	11
Female	124,184	5	3	2	7	110	518	1,853	7,575	21,473	42,440	50,194	6
Black	25,004	7	1	1	29	180	708	1,843	4,281	8,404	7,171	4,414	4
Male	12,278	4	1	-	23	118	511	1,208	2,543	3,412	3,088	1,369	1
Female	12,726	3	-	1	6	42	198	635	1,718	2,992	4,083	3,045	3
Not stated *	10,387	1	2	-	5	33	168	494	1,389	2,821	3,291	2,377	6
Male	5,782	1	1	-	4	25	150	397	1,047	1,678	1,884	791	5
Female	4,605	1	1	-	1	8	18	97	342	943	1,607	1,586	1

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.  
 [Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Ischemic heart disease-Con.</b>													
Acute myocardial infarction (410)	145,443	14	4	9	67	404	2,470	7,315	20,104	36,985	46,999	29,079	9
Male	79,358	8	1	1	44	300	2,009	5,695	14,097	24,088	23,327	9,784	6
Female	66,085	6	3	2	19	104	461	1,620	6,007	14,899	23,672	19,295	3
Hispanic	4,219	1	-	1	6	16	104	326	841	1,191	1,135	597	1
Male	2,351	1	-	1	4	13	89	257	539	660	544	242	1
Female	1,868	-	-	-	2	3	15	69	302	531	591	355	-
Mexican	2,531	-	-	1	2	6	67	172	513	702	708	359	1
Male	1,454	-	-	1	1	4	62	137	328	408	355	157	1
Female	1,077	-	-	-	1	2	5	36	185	294	353	202	-
Puerto Rican	633	-	-	-	3	4	17	67	193	169	147	73	-
Male	307	-	-	-	2	4	11	48	76	78	65	22	-
Female	326	-	-	-	1	-	6	18	57	111	82	51	-
Cuban	203	-	-	-	-	1	1	8	34	55	72	32	-
Male	98	-	-	-	-	1	1	8	21	32	28	10	-
Female	104	-	-	-	-	-	-	-	13	23	46	22	-
Central and South American	225	1	-	-	1	2	8	17	43	74	48	31	-
Male	121	1	-	-	1	1	6	13	30	41	19	9	-
Female	104	-	-	-	-	1	2	4	13	33	29	22	-
Other and unknown Hispanic	627	-	-	-	-	3	11	62	118	171	160	102	-
Male	370	-	-	-	-	3	9	50	84	101	79	44	-
Female	257	-	-	-	-	-	2	12	34	70	81	58	-
Non-Hispanic	138,257	12	2	2	49	373	2,274	6,746	18,548	36,395	44,279	27,571	6
Male	74,188	7	-	-	38	276	1,839	5,253	13,029	22,843	21,577	8,221	4
Female	62,071	5	2	2	11	98	435	1,493	5,519	13,552	22,302	18,350	2
White	122,199	7	2	1	30	279	1,841	5,672	15,983	32,561	40,289	25,555	5
Male	68,942	5	-	-	25	202	1,532	4,545	11,508	20,461	20,141	8,520	3
Female	55,257	2	2	1	5	71	309	1,127	4,455	12,100	20,148	17,035	2
Black	12,288	5	-	1	19	91	397	894	2,257	3,352	3,462	1,737	1
Male	6,146	2	-	-	13	65	277	624	1,307	1,771	1,515	571	1
Female	6,140	3	-	1	6	26	120	340	950	1,581	1,947	1,168	2
Not stated	4,967	1	2	-	2	15	92	243	715	1,399	1,585	911	2
Male	2,821	1	1	-	2	12	81	185	529	883	806	321	1
Female	2,146	1	1	-	2	3	11	58	186	516	779	590	1
Other acute and subacute forms of ischemic heart disease (411)	1,403	4	-	-	2	16	45	115	223	382	358	277	1
Male	827	3	-	-	2	11	39	89	174	233	182	94	1
Female	576	1	-	-	-	5	6	26	49	129	176	183	1
Hispanic	42	-	-	-	-	1	4	8	5	9	10	5	-
Male	32	-	-	-	-	1	4	8	5	7	2	2	-
Female	10	-	-	-	-	-	-	-	-	4	3	3	-
Mexican	33	-	-	-	-	1	2	6	5	7	7	5	-
Male	26	-	-	-	-	1	2	6	5	4	6	2	-
Female	7	-	-	-	-	-	-	-	-	3	1	3	-
Puerto Rican	1	-	-	-	-	-	-	1	-	-	-	-	-
Male	1	-	-	-	-	-	-	1	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Cuban	1	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	1	-	-
Central and South American	2	-	-	-	-	-	2	-	-	-	-	-	-
Male	2	-	-	-	-	-	2	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	5	-	-	-	-	-	-	1	-	2	2	-	-
Male	3	-	-	-	-	-	-	-	-	1	1	-	-
Female	2	-	-	-	-	-	-	-	-	1	1	-	-
Non-Hispanic	1,282	4	-	2	14	39	93	205	333	331	331	260	1
Male	735	3	-	2	9	33	69	157	212	164	164	86	-
Female	547	1	-	-	5	6	24	48	121	167	167	174	1
White	1,148	3	-	1	8	32	74	183	305	297	245	245	-
Male	669	2	-	1	6	27	58	141	198	151	151	85	-
Female	479	1	-	-	2	5	16	42	107	146	146	160	-
Black	121	1	-	1	5	6	18	18	28	31	31	13	1
Male	57	1	-	1	2	5	10	14	13	10	10	1	-
Female	64	-	-	-	3	1	8	5	13	21	21	12	1
Not stated	79	-	-	-	1	2	14	13	20	17	12	12	-
Male	60	-	-	-	1	2	12	12	16	11	6	6	-
Female	19	-	-	-	-	-	2	1	4	6	6	6	-
Angina pectoris (413)	496	-	-	-	-	1	2	14	51	116	188	144	-
Male	212	-	-	-	-	-	8	30	63	79	79	32	-
Female	284	-	-	-	-	1	2	6	21	53	89	112	-
Hispanic	9	-	-	-	-	-	-	-	4	1	4	4	-
Male	3	-	-	-	-	-	-	-	2	1	1	1	-
Female	6	-	-	-	-	-	-	-	2	1	3	3	-
Mexican	3	-	-	-	-	-	-	-	1	1	1	1	-
Male	1	-	-	-	-	-	-	-	1	-	-	-	-
Female	2	-	-	-	-	-	-	-	-	1	1	1	-
Puerto Rican	4	-	-	-	-	-	-	-	1	-	-	3	-
Male	1	-	-	-	-	-	-	-	-	-	-	1	-
Female	3	-	-	-	-	-	-	-	1	-	-	2	-
Cuban	1	-	-	-	-	-	-	-	1	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	1	-	-	-	-	-	-	-	1	-	-	-	-
Central and South American	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	1	-	-	-	-	-	-	-	1	-	-	-	-
Male	1	-	-	-	-	-	-	-	1	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Hispanic	472	-	-	-	1	1	13	51	109	161	161	136	-
Male	201	-	-	-	-	-	7	30	59	74	74	31	-
Female	271	-	-	-	1	1	6	21	50	87	105	105	-
White	420	-	-	-	1	1	9	42	94	146	146	128	-
Male	183	-	-	-	-	-	5	27	53	67	67	31	-
Female	237	-	-	-	1	1	4	15	41	79	97	97	-
Black	50	-	-	-	-	-	1	3	8	15	15	8	-
Male	18	-	-	-	-	-	2	3	6	7	7	4	-
Female	32	-	-	-	-	-	1	1	5	9	8	4	-
Not stated	15	-	-	-	-	-	1	1	3	6	6	4	-
Male	8	-	-	-	-	-	-	1	1	2	5	4	-
Female	7	-	-	-	-	-	1	-	1	1	1	4	-



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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988-Con.  
 [Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Ischemic heart disease-Con.</b>													
<b>Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)</b>													
Total	155,768	5	4	5	25	308	1,681	4,975	14,735	31,893	49,872	52,248	19
Male	75,940	1	2	3	22	247	1,384	3,853	10,512	20,815	24,023	15,586	12
Female	79,828	4	2	2	3	59	297	1,122	4,223	11,078	25,849	36,662	7
Hispanic	4,389	2	1	1	3	23	88	254	623	1,005	1,258	1,126	1
Male	2,370	-	1	-	3	27	80	194	427	597	616	439	-
Female	2,019	2	-	1	-	4	8	70	196	408	642	687	1
Mexican	2,472	2	1	-	2	13	43	119	320	557	732	682	1
Male	1,342	-	1	-	2	11	41	93	207	335	375	277	-
Female	1,130	2	-	-	-	2	2	26	113	222	357	405	1
Puerto Rican	745	-	-	1	-	7	19	71	133	171	206	137	-
Male	374	-	-	-	-	5	15	45	96	92	85	36	-
Female	371	-	-	1	-	2	4	26	37	79	121	101	-
Cuban	235	-	-	-	-	1	5	11	39	42	74	63	-
Male	133	-	-	-	-	1	5	7	35	27	38	20	-
Female	102	-	-	-	-	-	-	4	4	15	36	43	-
Central and South American	247	-	-	-	1	9	8	20	31	61	64	59	-
Male	124	-	-	-	1	9	8	14	19	32	28	21	-
Female	123	-	-	-	-	-	-	6	12	29	36	38	-
Other and unknown Hispanic	690	-	-	-	-	3	13	33	100	174	182	185	-
Male	397	-	-	-	-	3	11	25	70	111	92	85	-
Female	293	-	-	-	-	-	2	8	30	63	90	100	-
Non-Hispanic <sup>1</sup>	148,053	3	3	4	19	282	1,520	4,485	13,451	29,899	46,831	49,672	14
Male	70,677	1	1	3	17	212	1,237	3,470	9,579	18,941	22,545	14,863	8
Female	75,376	2	2	1	2	50	283	1,015	3,872	10,748	24,386	35,009	6
White	131,720	2	1	4	10	193	1,183	3,528	11,254	28,252	42,707	46,574	12
Male	63,509	-	-	3	8	157	901	2,822	8,181	17,027	20,640	13,672	8
Female	68,211	2	1	1	2	38	202	706	3,073	9,225	22,067	32,902	4
Black	12,547	1	1	-	9	64	305	858	1,977	3,011	3,663	2,658	2
Male	6,057	1	1	-	9	51	229	572	1,219	1,622	1,558	797	-
Female	6,490	-	-	-	-	13	78	286	758	1,389	2,107	1,859	2
Not stated <sup>2</sup>	5,328	-	-	-	3	17	73	238	681	1,199	1,883	1,450	4
Male	2,893	-	-	-	2	12	67	199	506	777	862	464	4
Female	2,433	-	-	-	1	5	6	37	155	422	821	986	-
Other diseases of endocardium (424)	6,665	6	7	5	19	79	137	201	567	1,382	2,310	1,971	1
Male	3,009	4	2	3	12	50	92	143	335	784	1,013	571	-
Female	3,656	2	5	2	7	29	45	58	232	578	1,297	1,400	1
Hispanic	203	1	1	1	2	11	11	14	35	36	46	44	-
Male	82	-	-	1	1	7	8	9	21	19	15	10	-
Female	111	1	1	-	1	4	3	5	14	17	31	34	-
Mexican	139	1	2	-	2	6	5	10	24	29	29	30	-
Male	68	-	1	1	1	5	5	6	16	14	12	7	-
Female	71	1	1	-	1	1	1	4	8	15	17	23	-
Puerto Rican	24	-	-	-	-	3	4	2	3	3	5	4	-
Male	8	-	-	-	-	1	2	1	-	2	1	1	-
Female	16	-	-	-	-	2	2	1	3	1	4	3	-
Cuban	2	-	-	-	-	-	-	-	1	1	-	-	-
Male	1	-	-	-	-	-	-	-	1	-	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	1	-	-
Central and South American	13	-	-	-	-	2	1	2	3	1	3	1	-
Male	6	-	-	-	-	1	2	2	2	1	-	-	-
Female	7	-	-	-	-	1	1	-	1	-	3	1	-
Other and unknown Hispanic	25	-	-	-	-	-	1	-	4	3	8	8	-
Male	9	-	-	-	-	-	1	-	2	2	2	2	-
Female	16	-	-	-	-	-	-	-	2	1	6	7	-
Non-Hispanic <sup>1</sup>	6,215	5	5	4	17	65	120	178	509	1,285	2,175	1,871	1
Male	2,789	4	1	2	11	40	80	128	299	727	955	542	-
Female	3,426	1	4	2	6	25	40	50	210	538	1,220	1,329	1
White	5,578	3	3	3	13	39	75	123	331	1,117	2,004	1,767	-
Male	2,457	3	1	2	9	27	50	91	260	642	878	504	-
Female	3,111	-	2	1	4	12	25	32	171	475	1,128	1,268	-
Black	532	2	1	1	4	12	43	50	119	138	138	87	1
Male	293	1	-	-	1	12	28	33	33	65	58	32	-
Female	239	1	1	1	3	12	15	17	34	54	78	55	1
Not stated <sup>2</sup>	247	-	-	-	-	3	8	9	23	61	89	56	-
Male	128	-	-	-	-	3	4	6	15	38	43	19	-
Female	119	-	-	-	-	-	2	3	8	23	46	37	-
All other forms of heart disease (415-423,425-429)	120,656	501	215	180	518	1,255	2,579	5,316	13,960	25,562	35,619	34,943	30
Male	59,814	289	103	91	329	823	1,778	3,659	9,326	15,284	18,823	10,489	20
Female	61,842	212	112	69	432	801	1,657	4,634	10,278	18,998	24,454	24,540	10
Hispanic	4,238	68	36	20	61	131	171	324	741	881	1,026	774	5
Male	2,417	37	12	9	46	103	122	234	474	538	532	308	4
Female	1,821	31	24	11	15	28	49	90	267	343	494	466	1
Mexican	2,788	49	24	6	40	79	99	195	478	568	690	583	3
Male	1,598	28	8	3	33	57	73	141	299	353	375	228	2
Female	1,190	21	16	3	7	16	26	54	179	215	315	337	1
Puerto Rican	476	5	6	6	7	19	36	56	95	95	100	51	-
Male	276	3	3	3	3	15	24	42	62	55	47	19	-
Female	200	2	3	3	4	4	12	14	33	40	53	32	-
Cuban	162	1	1	-	-	-	4	15	34	33	45	29	-
Male	91	-	-	-	-	-	2	14	25	20	19	11	-
Female	71	1	1	-	-	-	2	1	9	13	26	18	-
Central and South American	207	2	-	2	4	13	12	27	34	54	33	26	-
Male	108	1	-	-	4	10	10	16	19	27	12	9	-
Female	99	1	-	2	-	3	2	11	15	27	21	17	-
Other and unknown Hispanic	605	11	5	6	10	28	20	31	100	131	158	105	2
Male	344	5	1	3	6	21	13	21	69	83	79	41	2
Female	261	6	4	3	4	5	7	10	31	48	79	64	-
Non-Hispanic <sup>1</sup>	112,106	409	169	133	430	1,078	2,296	4,748	12,678	23,684	33,457	33,212	16
Male	54,027	238	87	79	270	690	1,578	3,241	8,364	14,061	15,525	9,884	10
Female	58,079	171	82	54	160	388	718	1,505	4,212	9,523	17,932	23,328	6
White	93,104	253	103	95	268	655	1,434	3,224	9,436	19,112	26,581	29,534	9
Male	44,170	153	51	58	170	426	1,029	2,266	6,402	11,605	13,240	8,755	6
Female	48,934	100	52	37	98	229	405	958	3,034	7,507	15,332	21,179	3
Black	17,413	137	57	35	157	399	803	1,418	2,917	4,106	4,456	2,921	7
Male	8,827	78	30	20	86	251	508	910	1,814	2,239	2,024	958	4
Female	8,486	84	27	15	61	148	295	508	1,103	1,867	2,432	1,963	3
Not stated <sup>2</sup>	4,312	24	10	7	25	46	112	246	843	1,087	1,138	957	9
Male	2,370	1											

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.  
 [Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Major cardiovascular diseases—Con.</b>													
Hypertension with or without renal disease (401.403)	5,042	1	—	1	9	40	115	229	563	1,122	1,598	1,365	1
Male	2,131	—	—	1	2	26	87	132	283	558	672	378	1
Female	2,911	1	—	—	7	14	48	87	270	564	924	986	—
Hispanic	180	—	—	—	3	7	19	38	40	52	38	—	—
Male	79	—	—	—	1	5	7	18	14	21	13	—	—
Female	111	—	—	—	2	2	6	18	26	31	25	—	—
Mexican	118	—	—	—	1	1	1	5	18	27	39	26	—
Male	48	—	—	—	—	—	—	10	8	15	10	—	—
Female	70	—	—	—	1	1	1	8	19	24	18	—	—
Puerto Rican	29	—	—	—	—	1	4	3	8	9	3	—	—
Male	13	—	—	—	—	1	2	—	4	5	1	—	—
Female	15	—	—	—	—	—	2	3	4	4	2	—	—
Cuban	6	—	—	—	—	—	—	1	—	1	2	2	—
Male	2	—	—	—	—	—	—	—	—	—	—	1	—
Female	4	—	—	—	—	—	—	1	2	—	2	2	—
Central and South American	8	—	—	—	—	—	—	1	—	—	—	1	—
Male	2	—	—	—	—	—	—	—	2	—	2	1	—
Female	6	—	—	—	—	—	—	1	—	—	—	—	—
Other and unknown Hispanic	30	—	—	—	—	—	2	3	8	3	6	8	—
Male	14	—	—	—	—	—	2	1	4	1	5	1	—
Female	16	—	—	—	—	—	—	2	4	2	1	7	—
Non-Hispanic †	4,705	1	—	1	7	35	108	207	502	1,045	1,501	1,299	1
Male	1,970	—	—	1	2	23	61	121	259	517	628	357	1
Female	2,735	1	—	—	5	12	45	86	243	528	873	942	—
White	3,471	—	—	1	3	11	50	91	229	726	1,201	1,108	—
Male	1,470	—	—	1	1	7	27	58	170	384	520	304	—
Female	2,001	—	—	—	2	4	23	35	109	342	681	805	—
Black	1,159	1	—	—	4	24	56	108	217	299	278	173	1
Male	454	—	—	—	1	16	34	59	86	120	92	45	1
Female	705	1	—	—	3	8	22	49	131	179	184	128	—
Not stated ‡	147	—	—	—	—	2	2	9	25	37	43	28	—
Male	82	—	—	—	—	2	1	4	16	27	23	9	—
Female	65	—	—	—	1	—	1	5	9	10	20	19	—
<b>Cerebrovascular diseases (430-438)</b>	85,734	63	41	43	170	607	1,484	2,881	6,887	16,275	30,924	29,534	5
Male	35,048	45	23	16	86	326	788	1,555	3,625	8,171	12,633	7,780	—
Female	53,688	38	18	27	84	281	698	1,326	3,062	8,104	18,291	21,754	5
Hispanic	2,822	9	2	3	28	61	142	237	390	679	824	542	—
Male	1,369	6	2	2	18	29	65	127	223	284	382	201	—
Female	1,453	3	—	6	10	32	67	110	167	295	432	341	—
Mexican	1,925	5	2	3	12	28	76	138	256	388	553	366	—
Male	886	4	2	1	8	16	47	68	150	190	273	137	—
Female	929	1	—	2	4	12	29	68	106	198	280	229	—
Puerto Rican	284	1	—	1	5	9	20	46	48	53	73	39	—
Male	150	—	—	1	3	4	12	29	25	27	34	15	—
Female	144	1	—	—	2	5	8	16	23	26	39	24	—
Cuban	91	—	—	1	—	—	4	8	13	21	25	19	—
Male	42	—	—	—	—	—	2	4	11	10	10	4	—
Female	49	—	—	1	—	—	2	4	2	10	15	15	—
Central and South American	177	1	—	1	4	10	29	19	27	33	36	23	—
Male	75	1	—	—	2	4	10	11	11	17	12	7	—
Female	102	—	—	1	2	6	13	8	16	16	24	16	—
Other and unknown Hispanic	435	2	—	2	7	14	19	29	46	84	137	95	—
Male	208	1	—	—	5	5	14	15	26	39	63	38	—
Female	223	1	—	2	2	9	5	14	20	45	74	57	—
Non-Hispanic †	83,328	70	38	33	137	515	1,277	2,517	6,040	15,111	29,253	28,532	5
Male	32,533	38	21	12	64	280	662	1,357	3,246	7,572	11,886	7,395	—
Female	50,795	32	17	21	73	235	615	1,160	2,794	7,539	17,367	20,937	5
White	70,939	37	25	24	103	309	797	1,506	4,305	12,185	25,618	25,998	2
Male	27,093	19	14	9	51	172	390	841	2,332	6,202	10,371	6,702	—
Female	43,846	18	11	15	52	137	357	745	1,973	5,983	15,247	19,296	2
Black	10,798	30	11	17	32	102	487	814	1,549	2,558	3,137	1,880	1
Male	4,645	17	5	2	11	100	251	464	809	1,106	1,255	545	—
Female	6,153	13	6	5	21	82	236	350	740	1,372	1,882	1,435	1
Not stated ‡	2,584	4	1	2	5	31	65	127	257	585	847	680	—
Male	1,144	1	—	2	4	17	39	71	156	315	355	184	—
Female	1,440	3	1	—	1	14	26	56	101	270	492	476	—
<b>Intracerebral and other intracranial hemorrhage (431-432)</b>	12,717	33	14	17	56	225	577	1,109	1,894	3,114	3,760	1,926	2
Male	5,868	18	8	7	40	139	346	641	1,047	1,585	1,508	531	—
Female	6,849	15	6	10	16	86	231	468	837	1,529	2,254	1,395	2
Hispanic	602	3	1	4	12	22	59	108	115	129	112	97	—
Male	333	1	1	—	10	15	42	61	73	68	47	15	—
Female	269	2	—	4	2	7	17	47	42	61	65	22	—
Mexican	385	—	1	2	6	13	30	63	76	88	81	25	—
Male	208	—	—	—	5	9	22	32	50	46	33	10	—
Female	177	—	—	2	1	4	8	31	26	42	48	15	—
Puerto Rican	71	1	—	—	2	1	9	23	16	7	7	5	—
Male	45	—	—	—	2	1	7	18	8	3	4	2	—
Female	26	1	—	—	—	—	2	5	8	4	3	3	—
Cuban	15	—	—	1	—	—	1	1	5	4	2	1	—
Male	9	—	—	—	—	—	—	—	1	4	2	—	—
Female	6	—	—	1	—	—	1	—	1	2	—	—	—
Central and South American	49	1	—	1	3	3	6	8	9	10	5	3	—
Male	25	1	—	—	2	2	3	4	5	6	1	1	—
Female	24	—	—	1	1	1	3	4	4	4	4	2	—
Other and unknown Hispanic	82	1	—	—	1	5	13	13	9	20	17	3	—
Male	46	—	—	—	1	3	10	6	6	11	7	2	—
Female	36	1	—	—	—	2	3	7	3	9	10	1	—
Non-Hispanic †	11,644	30	12	12	42	182	487	942	1,691	2,868	3,520	1,848	2
Male	5,285	17	7	6	28	116	283	544	931	1,453	1,404	506	—
Female	6,349	13	5	6	14	76	204	398	760	1,413	2,116	1,342	2
White	9,220	14	11	8	35	107	239	501	1,178	2,318	3,113	1,694	1
Male	4,059	8	6	4	23	67	143	278	654	1,185	1,229	462	—
Female	5,161	6	5	4	12	40	86	223	525	1,133	1,884	1,232	1
Black	2,004	15	1	2	7	80	231	397	437	422	309	113	—
Male	1,021	9	1	1	5	44	129	243	232	204	123	30	—
Female	983	6	—	1	2	36	102	144	205	218	188	83	—
Not stated ‡	471	—	—	1	2	11	31	59	78	119	128	41	—
Male	240	—	—	1	2	8	21	36	43	64	55	10	—
Female	231	—	1										

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.  
 [Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Cerebrovascular diseases—Con.</b>													
<b>Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9)</b>	12,406	16	9	3	10	40	74	237	766	2,181	4,488	4,571	1
Male	4,793	8	3	—	2	24	45	150	433	1,118	1,812	1,197	—
Female	7,613	8	6	3	8	16	28	87	333	1,063	2,686	3,374	1
Hispanic	339	2	—	—	3	6	9	12	57	66	102	81	—
Male	152	1	—	—	1	2	4	10	26	32	49	27	—
Female	186	1	—	—	2	4	5	2	31	34	53	54	—
Mexican	212	2	—	—	—	4	3	8	37	45	60	53	—
Male	99	1	—	—	—	2	2	7	16	23	29	19	—
Female	113	1	—	—	—	2	1	1	21	22	31	34	—
Puerto Rican	26	—	—	—	1	—	—	1	4	5	6	10	—
Male	11	—	—	—	—	—	—	—	3	3	2	3	—
Female	15	—	—	—	1	—	—	1	1	2	3	7	—
Cuban	18	—	—	—	—	—	2	—	2	4	6	4	—
Male	7	—	—	—	—	—	2	—	1	1	3	—	—
Female	11	—	—	—	—	—	—	—	1	3	3	4	—
Central and South American	16	—	—	—	—	—	4	1	2	1	7	1	—
Male	7	—	—	—	—	—	—	—	—	1	4	1	—
Female	9	—	—	—	—	—	4	—	2	—	3	—	—
Other and unknown Hispanic	66	—	—	—	2	2	—	2	12	11	24	13	—
Male	28	—	—	—	1	—	—	2	6	4	11	4	—
Female	38	—	—	—	1	2	—	—	6	7	13	9	—
Non-Hispanic	11,722	11	9	3	7	32	61	216	681	2,037	4,278	4,388	1
Male	4,479	6	3	—	1	21	40	134	387	1,087	1,710	1,140	—
Female	7,243	5	6	3	6	11	21	82	294	1,000	2,568	3,248	1
White	10,255	5	5	2	5	18	34	150	508	1,675	3,773	4,088	1
Male	3,858	4	2	—	1	10	23	85	286	874	1,501	1,054	—
Female	6,407	1	3	2	4	8	13	65	212	801	2,272	3,034	1
Black	1,289	6	4	1	2	14	23	59	155	323	441	281	—
Male	533	2	1	—	—	11	17	33	80	140	179	71	—
Female	756	4	3	1	2	3	6	26	75	183	263	190	—
Not stated	348	3	—	—	—	2	4	9	28	78	118	104	—
Male	162	1	—	—	—	1	2	6	20	49	53	30	—
Female	184	2	—	—	—	1	2	3	8	29	65	74	—
<b>Cerebral embolism (434.1)</b>	442	1	—	—	—	1	8	10	35	112	159	116	—
Male	190	1	—	—	—	1	4	5	15	55	74	35	—
Female	252	—	—	—	—	—	4	5	20	57	85	81	—
Hispanic	9	1	—	—	—	—	—	—	1	4	1	2	—
Male	4	1	—	—	—	—	—	—	1	1	1	—	—
Female	5	—	—	—	—	—	—	—	—	3	—	2	—
Mexican	3	1	—	—	—	—	—	—	—	1	1	—	—
Male	2	1	—	—	—	—	—	—	—	—	1	—	—
Female	1	—	—	—	—	—	—	—	—	1	—	—	—
Puerto Rican	2	—	—	—	—	—	—	—	—	1	—	1	—
Male	2	—	—	—	—	—	—	—	—	1	—	1	—
Female	2	—	—	—	—	—	—	—	—	—	—	—	—
Cuban	2	—	—	—	—	—	—	—	—	1	—	1	—
Male	2	—	—	—	—	—	—	—	—	—	—	—	—
Female	2	—	—	—	—	—	—	—	—	1	—	1	—
Central and South American	1	—	—	—	—	—	—	—	1	—	—	—	—
Male	1	—	—	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—	—	—	—
Other and unknown Hispanic	1	—	—	—	—	—	—	—	—	1	—	—	—
Male	1	—	—	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—	—	—	—
Non-Hispanic	421	—	—	—	—	1	7	9	33	105	153	113	—
Male	180	—	—	—	—	1	4	4	18	53	71	34	—
Female	241	—	—	—	—	—	3	5	20	52	82	79	—
White	378	—	—	—	—	1	5	5	29	88	141	107	—
Male	157	—	—	—	—	1	3	1	9	43	68	34	—
Female	219	—	—	—	—	—	2	4	20	45	75	73	—
Black	36	—	—	—	—	2	3	4	13	8	8	6	—
Male	18	—	—	—	—	—	1	3	4	7	3	—	—
Female	18	—	—	—	—	—	2	1	9	1	5	6	—
Not stated	12	—	—	—	—	—	1	1	1	3	5	1	—
Male	6	—	—	—	—	—	—	1	1	1	2	1	—
Female	6	—	—	—	—	—	1	—	—	2	3	—	—
<b>All other and late effects of cerebrovascular diseases (430,433,435-438)</b>	63,189	33	18	23	104	341	825	1,525	4,002	10,888	22,507	22,821	2
Male	24,185	18	12	9	44	162	380	759	2,130	5,413	9,241	9,017	—
Female	38,974	15	6	14	60	179	435	766	1,872	5,455	13,266	16,904	2
Hispanic	1,873	3	1	4	13	33	74	117	217	380	609	422	—
Male	880	3	1	2	7	12	39	56	123	183	295	159	—
Female	993	—	—	2	6	21	35	61	94	197	314	263	—
Mexican	1,225	2	1	1	6	11	43	65	143	254	411	288	—
Male	587	2	1	1	3	5	23	29	84	121	210	108	—
Female	638	—	—	—	3	6	20	36	59	133	201	180	—
Puerto Rican	185	—	—	1	2	8	11	21	28	40	61	23	—
Male	84	—	—	1	1	3	5	11	14	21	28	10	—
Female	101	—	—	—	1	5	6	10	14	19	33	13	—
Cuban	56	—	—	—	—	—	1	7	6	12	17	13	—
Male	26	—	—	—	—	—	—	3	6	6	5	4	—
Female	30	—	—	—	—	—	—	4	—	6	12	9	—
Central and South American	111	—	—	—	1	7	13	10	15	22	24	19	—
Male	42	—	—	—	—	2	7	6	5	10	7	5	—
Female	69	—	—	—	1	5	6	4	10	12	17	14	—
Other and unknown Hispanic	289	1	—	2	4	7	8	14	25	52	86	79	—
Male	131	1	—	—	3	2	4	7	14	23	45	32	—
Female	155	—	—	2	1	5	2	7	11	29	51	47	—
Non-Hispanic	59,541	29	17	18	88	290	722	1,350	3,635	10,103	21,302	21,985	2
Male	22,579	15	11	6	35	142	335	675	1,915	5,029	9,701	9,715	—
Female	36,982	14	6	12	53	148	387	675	1,720	5,074	12,601	16,270	2
White	51,078	18	9	14	63	183	459	830	2,589	8,114	18,591	20,108	—
Male	19,019	7	6	5	27	94	213	467	1,373	4,100	7,575	5,152	—
Female	32,059	11	3	9	36	89	246	463	1,216	4,014	11,016	14,956	—
Black	7,469	9	6	4	23	98	231	365	953	1,800	2,379	1,800	1
Male	3,073	6	3	1	6	45	104	185	483	835	951	444	—
Female	4,396	3	3	3	17	53	127	180	460	965	1,428	1,156	1
Not stated	1,785	1	—	1	3	18	29	58	150	385	596	514	—
Male	736	—	—	1	2	8	16	28	92	201	245	143	—
Female	1,019	1	—	—	1	10	13	30	58	184	351	371	—

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.  
 [Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex.	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Major cardiovascular diseases—Con.</b>													
<b>Atherosclerosis (440)</b>	13,161	1	—	—	1	6	38	115	477	1,687	3,910	6,925	3
Male .....	4,931	—	—	—	1	4	29	78	303	987	1,692	1,838	1
Female .....	8,230	1	—	—	—	2	7	39	174	700	2,218	5,087	2
<b>Hispanic</b>	281	—	—	—	—	1	3	5	23	39	63	127	—
Male .....	121	—	—	—	—	—	2	4	14	21	31	49	—
Female .....	160	—	—	—	—	1	1	1	9	18	32	78	—
<b>Mexican</b>	183	—	—	—	—	1	3	3	17	23	54	82	—
Male .....	75	—	—	—	—	—	2	2	10	11	20	30	—
Female .....	108	—	—	—	—	1	1	1	7	12	34	52	—
<b>Puerto Rican</b>	31	—	—	—	—	—	—	—	2	2	8	11	—
Male .....	15	—	—	—	—	—	—	—	1	1	4	3	—
Female .....	16	—	—	—	—	—	—	—	1	1	4	8	—
<b>Cuban</b>	15	—	—	—	—	—	—	—	—	2	5	8	—
Male .....	5	—	—	—	—	—	—	—	—	1	2	2	—
Female .....	10	—	—	—	—	—	—	—	—	1	3	6	—
<b>Central and South American</b>	9	—	—	—	—	—	—	—	—	2	2	5	—
Male .....	2	—	—	—	—	—	—	—	—	—	1	1	—
Female .....	7	—	—	—	—	—	—	—	—	2	1	4	—
<b>Other and unknown Hispanic</b>	43	—	—	—	—	—	—	—	4	4	11	24	—
Male .....	24	—	—	—	—	—	—	—	3	4	4	13	—
Female .....	19	—	—	—	—	—	—	—	1	—	7	11	—
<b>Non-Hispanic</b>	12,499	1	—	—	1	5	32	105	436	1,589	3,706	6,622	3
Male .....	4,658	—	—	—	—	4	26	69	275	931	1,809	1,742	1
Female .....	7,841	1	—	—	—	1	6	36	160	658	2,097	4,880	2
<b>White</b>	11,369	1	—	—	1	3	26	79	355	1,375	3,313	6,214	2
Male .....	4,157	—	—	—	1	2	21	51	234	820	1,427	1,600	1
Female .....	7,212	1	—	—	—	1	5	28	121	555	1,886	4,614	1
<b>Black</b>	1,030	—	—	—	—	2	5	25	74	203	350	361	1
Male .....	456	—	—	—	—	2	4	17	37	105	168	123	—
Female .....	574	—	—	—	—	—	1	8	37	98	181	238	1
<b>Not stated</b>	381	—	—	—	—	—	—	1	5	19	59	121	176
Male .....	152	—	—	—	—	—	—	1	3	14	35	52	47
Female .....	229	—	—	—	—	—	—	—	2	5	24	69	129
<b>Other diseases of arteries, arterioles, and capillaries (441-448)</b>	19,935	4	2	7	23	128	220	419	1,615	3,968	4,457	2,477	—
Male .....	8,051	3	1	5	98	78	145	261	1,161	2,732	2,675	968	—
Female .....	5,284	1	1	2	15	52	75	158	454	1,236	1,782	1,508	—
<b>Hispanic</b>	322	—	1	2	5	9	15	25	61	75	70	59	—
Male .....	199	—	—	2	2	7	9	14	43	49	48	31	—
Female .....	123	—	1	—	3	2	6	11	18	32	22	28	—
<b>Mexican</b>	179	—	—	2	4	7	8	14	31	42	41	32	—
Male .....	108	—	—	2	1	6	3	8	19	26	28	15	—
Female .....	73	—	—	—	3	1	3	6	12	16	15	17	—
<b>Puerto Rican</b>	48	—	—	—	—	2	4	2	7	13	10	10	—
Male .....	26	—	—	—	—	1	2	2	6	4	6	6	—
Female .....	22	—	—	—	—	1	2	—	1	9	5	4	—
<b>Cuban</b>	14	—	—	—	—	—	—	—	1	5	1	5	—
Male .....	10	—	—	—	—	—	—	—	3	1	5	2	—
Female .....	4	—	—	—	—	—	—	—	—	—	—	—	—
<b>Central and South American</b>	17	—	1	—	—	—	—	4	2	3	3	1	—
Male .....	9	—	—	—	—	—	—	3	2	1	2	—	—
Female .....	8	—	1	—	—	—	—	—	—	2	1	1	—
<b>Other and unknown Hispanic</b>	64	—	—	—	1	—	—	1	6	15	11	14	—
Male .....	48	—	—	—	1	—	—	1	2	14	11	9	—
Female .....	16	—	—	—	—	—	—	—	4	1	5	5	—
<b>Non-Hispanic</b>	12,473	4	1	5	32	117	198	373	1,481	3,700	4,210	2,342	—
Male .....	7,505	3	1	3	20	67	131	231	1,068	2,552	2,525	904	—
Female .....	4,968	1	—	2	12	50	67	142	423	1,148	1,685	1,438	—
<b>White</b>	11,214	3	—	5	25	84	135	288	1,273	3,364	3,894	2,143	—
Male .....	6,842	3	—	3	16	51	89	182	932	2,357	2,964	845	—
Female .....	4,372	—	—	2	9	33	46	106	341	1,007	1,930	1,298	—
<b>Black</b>	1,054	—	—	—	7	30	59	74	185	281	254	164	—
Male .....	530	—	—	—	4	15	33	43	115	157	119	38	—
Female .....	524	—	—	—	3	15	26	31	70	124	135	126	—
<b>Not stated</b>	540	—	—	—	1	2	7	21	63	193	177	76	—
Male .....	347	—	—	—	1	2	5	16	50	137	102	34	—
Female .....	193	—	—	—	—	—	—	5	13	56	75	42	—
<b>Acute bronchitis and bronchiolitis (468)</b>	374	43	8	4	4	7	8	16	28	53	62	121	—
Male .....	167	25	5	2	1	5	4	8	9	29	41	39	—
Female .....	207	18	3	2	3	2	4	8	19	24	41	83	—
<b>Hispanic</b>	11	5	3	—	—	1	—	—	—	1	—	1	—
Male .....	7	4	1	—	—	—	—	—	—	—	—	—	—
Female .....	4	1	2	—	—	—	—	—	—	1	—	—	—
<b>Mexican</b>	8	3	3	—	—	—	—	—	—	1	—	1	—
Male .....	5	3	1	—	—	—	—	—	—	—	—	—	—
Female .....	3	—	2	—	—	—	—	—	—	1	—	—	—
<b>Puerto Rican</b>	1	1	—	—	—	—	—	—	—	—	—	—	—
Male .....	1	1	—	—	—	—	—	—	—	—	—	—	—
Female .....	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Cuban</b>	—	—	—	—	—	—	—	—	—	—	—	—	—
Male .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Female .....	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Central and South American</b>	2	1	—	—	—	—	—	—	—	—	—	—	—
Male .....	1	—	—	—	—	—	—	—	—	—	—	—	—
Female .....	1	1	—	—	—	—	—	—	—	—	—	—	—
<b>Other and unknown Hispanic</b>	—	—	—	—	—	—	—	—	—	—	—	—	—
Male .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Female .....	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-Hispanic</b>	364	38	5	4	4	5	8	16	27	51	80	116	—
Male .....	154	21	4	2	1	3	4	8	8	28	41	34	—
Female .....	200	17	1	2	3	2	4	8	19	23	39	82	—
<b>White</b>	315	26	5	1	3	3	7	13	27	45	76	109	—
Male .....	137	14	4	1	1	2	4	6	8	26	38	33	—
Female .....	178	12	1	—	2	1	3	7	19	19	38	76	—
<b>Black</b>	32	8	—	3	1	2	1	3	—	5	4	5	—
Male .....	15	5	—	1	—	1	—	2	—	2	3	1	—
Female .....	17	3	—	2	1	1	1	1	—	3	1	4	—
<b>Not stated</b>	9	—	—	—	—	—	—	—	1	1	2	4	—
Male .....	6	—	—	—	—	—	—	—	1	1	—	3	—
Female .....	3	—	—	—	—	—	—	—	—	—	2	1	—

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.  
 [Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix.]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
Pneumonia and influenza (480-487)	47,193	445	121	82	180	593	927	1,142	2,568	6,434	14,809	10,883	9
Male	22,174	270	64	46	95	371	618	760	1,802	3,852	7,571	6,920	5
Female	25,019	175	57	36	85	222	309	382	966	2,582	7,238	12,963	4
Hispanic	1,763	72	21	7	27	72	98	79	145	239	474	536	-
Male	937	50	9	1	16	98	62	51	91	139	282	226	-
Female	826	22	12	6	11	34	36	22	54	100	222	307	-
Mexican	1,030	38	12	3	10	18	28	31	81	150	303	358	-
Male	555	25	6	-	6	8	17	23	46	82	167	165	-
Female	475	13	6	3	4	10	11	8	35	58	136	191	-
Puerto Rican	295	10	4	3	11	31	35	20	33	41	58	49	-
Male	150	6	1	1	6	18	23	15	20	22	28	15	-
Female	145	4	3	2	5	13	12	5	13	19	35	34	-
Cuban	56	1	-	-	-	-	-	-	5	6	22	21	-
Male	30	1	-	-	-	-	-	-	4	3	12	10	-
Female	26	-	-	-	1	-	-	-	1	3	10	11	-
Central and South American	82	6	2	-	2	2	4	6	7	11	19	23	-
Male	37	6	1	-	1	2	2	4	5	2	7	7	-
Female	45	-	1	-	1	-	2	2	2	9	12	16	-
Other and unknown Hispanic	300	17	3	1	3	21	31	16	19	31	72	86	-
Male	165	12	1	-	3	10	20	9	18	20	43	31	-
Female	135	5	2	1	-	11	11	7	13	11	29	55	-
Non-Hispanic <sup>1</sup>	43,890	353	98	71	148	492	772	1,011	2,301	5,938	13,871	18,829	6
Male	20,425	206	53	42	76	316	510	661	1,432	3,542	7,070	8,515	2
Female	23,465	147	45	29	72	176	262	350	869	2,396	6,801	12,314	4
White	38,713	193	64	49	94	263	441	637	1,735	5,033	12,549	17,644	5
Male	17,521	118	35	30	48	176	293	395	1,068	2,993	6,397	6,031	1
Female	21,192	77	29	19	46	83	148	242	668	2,040	6,212	11,613	4
Black	4,478	143	27	17	49	220	314	342	509	764	1,109	983	1
Male	2,506	80	16	10	20	140	210	249	331	476	598	369	1
Female	1,972	63	11	7	23	80	104	93	178	308	511	584	-
Not stated <sup>2</sup>	1,540	20	2	4	5	29	57	58	122	257	484	519	3
Male	812	14	2	3	3	17	48	48	79	171	249	177	3
Female	728	6	-	1	2	12	11	10	43	86	215	342	-
Pneumonia (480-486)	46,017	440	115	78	173	587	918	1,120	2,532	6,301	14,461	19,283	9
Male	21,774	268	59	44	91	369	614	747	1,583	3,787	7,435	6,772	5
Female	24,243	172	56	34	82	218	304	373	949	2,514	7,026	12,511	4
Hispanic	1,749	72	21	6	26	72	97	72	144	236	472	525	-
Male	929	50	9	1	15	38	62	50	90	138	250	228	-
Female	814	22	12	5	11	34	35	22	54	98	222	299	-
Mexican	1,018	38	12	3	9	18	28	30	80	147	301	352	-
Male	548	25	6	-	5	8	17	22	45	91	185	184	-
Female	470	13	6	3	4	10	11	8	35	56	136	168	-
Puerto Rican	295	10	4	3	11	31	35	20	33	41	58	49	-
Male	150	6	1	1	6	18	23	15	20	22	23	15	-
Female	145	4	3	2	5	13	12	5	13	19	35	34	-
Cuban	55	1	-	-	1	-	-	-	4	3	12	9	-
Male	29	1	-	-	-	-	-	-	3	2	7	7	-
Female	26	-	-	-	1	-	-	-	1	3	10	11	-
Central and South American	82	6	2	-	2	2	4	6	7	11	19	23	-
Male	37	6	1	-	1	2	2	4	5	2	7	7	-
Female	45	-	1	-	1	-	2	2	2	9	12	16	-
Other and unknown Hispanic	293	17	3	-	3	21	30	16	19	31	72	81	-
Male	165	12	1	-	3	10	20	9	16	20	43	31	-
Female	128	5	2	-	-	11	10	7	3	11	29	50	-
Non-Hispanic <sup>1</sup>	42,759	349	92	68	142	487	764	990	2,268	5,811	13,593	18,249	6
Male	20,041	205	48	40	73	315	508	649	1,414	3,478	6,939	8,372	2
Female	22,718	144	44	28	69	172	256	341	854	2,333	6,594	11,877	4
White	37,623	191	69	46	88	267	433	620	1,703	4,918	12,218	17,077	5
Male	17,166	115	31	28	45	178	289	387	1,048	2,834	6,211	5,891	1
Female	20,467	76	28	18	43	91	144	233	655	1,982	6,007	11,186	4
Black	4,440	141	26	17	49	217	314	339	508	775	1,103	951	1
Male	2,488	80	15	10	26	139	210	245	391	471	593	367	1
Female	1,952	61	11	7	23	78	104	93	177	304	510	584	-
Not stated <sup>2</sup>	1,515	19	2	4	5	28	57	58	120	254	458	509	3
Male	804	13	2	3	3	16	46	46	79	171	246	174	3
Female	711	6	-	1	2	12	11	10	41	83	210	335	-
Influenza (487)	1,176	5	6	4	7	6	9	22	38	133	348	600	-
Male	400	2	5	2	4	2	4	13	19	65	136	148	-
Female	776	3	1	2	3	4	5	9	17	68	212	452	-
Hispanic	20	-	-	1	1	-	1	1	1	3	2	10	-
Male	8	-	-	-	1	-	-	1	1	1	2	2	-
Female	12	-	-	1	-	-	1	1	1	2	1	8	-
Mexican	12	-	-	-	1	-	-	1	1	3	2	4	-
Male	7	-	-	-	1	-	-	1	1	1	2	1	-
Female	5	-	-	-	-	-	-	-	-	2	-	3	-
Puerto Rican	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Cuban	1	-	-	-	-	-	-	-	-	-	-	1	-
Male	1	-	-	-	-	-	-	-	-	-	-	1	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	7	-	-	1	-	-	1	-	-	-	-	5	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	7	-	-	1	-	-	1	-	-	-	-	5	-
Non-Hispanic <sup>1</sup>	1,131	4	6	3	6	5	8	21	33	127	338	590	-
Male	384	1	5	2	3	1	4	12	18	64	181	143	-
Female	747	3	1	1	3	4	4	9	15	63	207	437	-
White	1,090	2	5	3	6	2	8	17	32	117	331	567	-
Male	365	1	4	2	3	-	4	8	18	59	128	140	-
Female	725	1	1	1	3	2	4	9	14	58	205	427	-
Black	38	2	1	-	-	3	-	4	1	9	6	12	-
Male	18	-	1	-	-	1	-	4	1	5	5	2	-
Female	20	2	-	-	-	2	-	-	1	4	1	10	-
Not stated <sup>2</sup>	25	1	-	-	-	1	-	-	2	3	8	10	-
Male	8	1	-	-	-	1	-	-	-	3	3	3	-
Female	17	-	-	-	-	-	-	-	2	3	5	7	-

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Chronic obstructive pulmonary diseases and allied conditions (490-498)</b>	48,621	38	29	61	106	218	413	1,381	6,449	16,400	17,662	6,857	7
Male	29,016	23	18	33	63	116	208	708	3,697	9,761	10,623	3,764	4
Female	20,505	15	13	28	43	102	205	673	2,752	6,639	7,039	3,093	3
Hispanic	1,076	9	1	8	12	30	33	66	145	268	313	193	-
Male	635	7	1	5	8	16	14	30	83	155	193	112	-
Female	441	2	-	3	4	14	19	28	62	108	120	81	-
Mexican	577	8	-	4	4	7	6	26	60	144	198	120	-
Male	350	6	-	2	3	4	3	18	34	90	122	68	-
Female	227	2	-	2	1	3	3	8	26	54	76	52	-
Puerto Rican	203	-	-	3	5	12	15	21	41	47	41	18	-
Male	103	-	-	2	3	7	6	7	22	23	23	10	-
Female	100	-	-	1	2	5	9	14	19	24	18	8	-
Cuban	49	-	-	-	-	3	3	3	3	12	15	10	-
Male	32	-	-	-	-	1	2	3	2	9	8	7	-
Female	17	-	-	-	-	2	1	1	1	3	7	3	-
Central and South American	64	1	-	-	-	2	3	6	13	17	12	10	-
Male	38	1	-	-	-	1	1	3	8	9	10	5	-
Female	26	-	-	-	-	1	2	3	5	8	2	5	-
Other and unknown Hispanic	163	-	1	1	3	6	6	10	28	46	47	35	-
Male	112	-	1	1	2	3	2	7	17	27	30	22	-
Female	71	-	-	-	1	3	4	3	11	19	17	13	-
Non-Hispanic *	47,244	28	28	49	89	182	372	1,272	6,098	15,892	16,916	6,512	6
Male	27,598	16	15	25	51	97	189	639	3,483	9,328	10,189	3,584	3
Female	19,546	12	13	24	38	85	183	634	2,615	6,564	6,727	2,928	3
White	43,395	15	15	23	37	83	229	867	5,418	14,523	15,916	6,134	5
Male	25,078	10	11	14	17	45	111	478	3,071	8,515	9,455	3,347	3
Female	18,317	5	4	9	20	48	118	508	2,347	6,008	6,461	2,787	2
Black	3,289	12	12	23	46	80	134	264	603	1,015	812	286	-
Male	2,148	6	4	8	31	45	75	147	365	713	572	181	-
Female	1,141	6	8	14	15	35	60	117	238	302	240	107	-
Not stated *	1,301	1	-	4	5	6	8	43	208	442	433	152	1
Male	783	-	-	3	4	3	5	32	181	275	281	68	1
Female	518	1	-	1	1	3	3	11	75	167	172	84	-
<b>Bronchitis, chronic and unspecified (490-491)</b>	2,319	31	11	2	3	14	23	58	256	638	760	501	2
Male	1,221	20	5	1	2	7	12	32	129	358	442	212	1
Female	1,098	11	6	1	1	7	11	26	127	280	338	289	1
Hispanic	59	7	1	-	-	1	1	4	3	7	25	10	-
Male	41	5	1	-	-	-	1	4	2	3	18	7	-
Female	18	2	-	-	-	1	-	-	1	4	7	3	-
Mexican	41	7	-	-	-	-	1	3	1	5	17	7	-
Male	29	5	-	-	-	-	1	3	-	3	12	5	-
Female	12	2	-	-	-	-	-	-	1	2	5	2	-
Puerto Rican	4	-	-	-	-	1	-	-	1	-	1	1	-
Male	3	-	-	-	-	-	-	-	1	-	1	1	-
Female	1	-	-	-	-	1	-	-	-	-	-	-	-
Cuban	1	-	-	-	-	-	-	-	-	-	1	-	-
Male	1	-	-	-	-	-	-	-	-	-	1	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	4	-	-	-	-	-	-	1	-	1	1	1	-
Male	2	-	-	-	-	-	-	1	-	-	1	-	-
Female	2	-	-	-	-	-	-	-	-	1	-	1	-
Other and unknown Hispanic	8	-	1	-	-	-	-	-	1	1	5	1	-
Male	6	-	1	-	-	-	-	-	1	-	3	1	-
Female	3	-	-	-	-	-	-	-	-	1	2	-	-
Non-Hispanic *	2,207	23	10	2	3	13	21	53	241	618	741	480	2
Male	1,151	15	4	1	2	7	10	27	119	347	415	203	1
Female	1,056	8	6	1	1	6	11	26	122	271	326	277	1
White	2,055	13	5	1	2	6	13	50	215	576	712	461	1
Male	1,057	9	3	-	2	2	6	25	104	317	392	196	1
Female	998	4	2	1	-	4	7	25	111	259	320	265	-
Black	121	10	4	1	1	4	6	2	24	35	19	13	-
Male	75	6	1	1	-	3	4	1	14	25	16	4	-
Female	46	4	3	-	1	1	4	1	10	10	3	9	-
Not stated *	53	1	-	-	-	-	1	1	12	13	14	11	-
Male	29	-	-	-	-	-	1	1	8	8	9	2	-
Female	24	1	-	-	-	-	-	-	4	5	5	9	-
<b>Emphysema (492)</b>	9,567	2	-	-	-	14	49	232	1,438	3,598	3,251	981	2
Male	5,873	1	-	-	-	9	32	126	870	2,199	2,113	628	1
Female	3,594	1	-	-	-	5	17	106	568	1,405	1,138	353	1
Hispanic	148	1	-	-	-	1	2	6	18	42	49	29	-
Male	92	1	-	-	-	-	2	5	11	23	31	19	-
Female	56	-	-	-	-	1	1	7	7	19	18	10	-
Mexican	82	-	-	-	-	1	2	3	8	17	35	16	-
Male	50	-	-	-	-	-	2	3	4	9	22	10	-
Female	32	-	-	-	-	1	-	-	4	8	13	6	-
Puerto Rican	22	-	-	-	-	-	-	-	1	8	7	6	-
Male	14	-	-	-	-	-	-	-	1	5	4	4	-
Female	8	-	-	-	-	-	-	-	~	3	3	2	-
Cuban	5	-	-	-	-	-	-	-	-	-	1	4	-
Male	4	-	-	-	-	-	-	-	-	-	1	3	-
Female	1	-	-	-	-	-	-	-	-	-	-	1	-
Central and South American	15	1	-	-	-	-	-	2	4	7	1	-	-
Male	10	1	-	-	-	-	-	1	3	4	1	-	-
Female	5	-	-	-	-	-	-	1	1	3	-	-	-
Other and unknown Hispanic	24	-	-	-	-	-	-	1	5	10	5	3	-
Male	14	-	-	-	-	-	-	1	3	5	3	2	-
Female	10	-	-	-	-	-	-	-	2	5	2	1	-
Non-Hispanic *	8,189	1	-	-	-	12	45	216	1,389	3,458	3,137	929	2
Male	5,732	-	-	-	-	9	29	112	841	2,106	2,035	599	1
Female	3,457	1	-	-	-	3	18	104	548	1,352	1,102	330	1
White	6,616	-	-	-	-	3	33	161	1,279	3,249	2,977	882	2
Male	5,272	-	-	-	-	2	17	95	761	1,936	1,901	559	1
Female	3,344	-	-	-	-	1	16	66	518	1,313	1,076	323	1
Black	483	1	-	-	-	8	11	23	83	181	132	34	-
Male	389	-	-	-	-	6	11	16	67	150	112	27	-
Female	94	1	-	-	-	2	-	7	26	31	20	7	-
Not stated *	230	-	-	-	-	1	2	10	31	98	65	23	-
Male	149	-	-	-	-	-	1	9	18	84	47	10	-
Female	81	-	-	-	-	1	1	1	13	34	18	13	-

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.  
 [Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Chronic obstructive pulmonary diseases and allied conditions-Con.</b>													
Asthma (493)	2,988	4	15	54	98	168	222	299	522	684	608	284	-
Male	1,189	2	9	28	61	87	89	113	206	288	212	74	-
Female	1,799	2	6	26	37	81	133	186	316	408	396	210	-
Hispanic	210	1	-	9	11	27	20	35	19	13	5	6	-
Male	95	1	-	5	8	15	8	15	19	19	5	7	-
Female	118	-	-	3	3	12	16	20	21	24	11	8	-
Mexican	66	1	-	4	3	5	3	6	11	19	5	7	-
Male	33	1	-	2	3	3	-	3	6	9	2	4	-
Female	33	-	-	2	-	2	3	5	5	10	3	3	-
Puerto Rican	81	-	-	3	5	11	12	16	19	10	4	1	-
Male	32	-	-	2	3	7	4	5	9	2	-	-	-
Female	49	-	-	1	2	4	8	11	10	8	4	1	-
Cuban	12	-	-	-	-	3	3	2	1	2	1	-	-
Male	6	-	-	-	-	1	2	2	-	1	-	-	-
Female	6	-	-	-	-	2	1	1	1	1	-	-	-
Central and South American	19	-	-	-	-	2	3	3	5	2	1	9	-
Male	7	-	-	-	-	1	1	1	2	-	1	1	-
Female	12	-	-	-	-	1	2	2	3	-	-	2	-
Other and unknown Hispanic	35	-	-	1	3	6	5	6	4	4	5	1	-
Male	17	-	-	1	2	3	1	4	2	1	2	1	-
Female	18	-	-	-	1	3	4	2	2	3	3	-	-
Non-Hispanic	2,682	3	15	42	82	136	184	258	465	647	574	288	-
Male	1,039	1	9	20	49	69	81	93	178	271	203	67	-
Female	1,643	2	6	22	33	67	113	163	289	376	371	201	-
White	1,957	2	8	18	34	70	104	141	321	519	492	248	-
Male	704	1	6	11	15	32	45	43	107	218	165	61	-
Female	1,253	1	2	7	19	38	59	98	214	301	327	187	-
Black	639	-	7	21	43	62	82	105	130	107	84	18	-
Male	288	-	3	7	31	33	34	45	60	45	25	5	-
Female	351	-	4	14	12	29	48	60	70	62	39	13	-
Not stated	73	-	-	4	5	5	2	8	17	10	18	4	-
Male	35	-	-	3	4	3	-	3	11	4	4	1	-
Female	38	-	-	1	1	2	-	5	6	6	14	3	-
Other chronic obstructive pulmonary diseases and allied conditions (484-496)	34,767	1	3	5	5	22	118	792	4,233	11,470	13,023	5,091	9
Male	20,853	-	2	4	-	13	75	437	2,492	6,922	7,856	2,850	2
Female	14,114	1	1	1	5	9	44	355	1,741	4,548	5,167	2,241	1
Hispanic	658	-	-	-	1	1	4	21	84	180	223	142	-
Male	407	-	-	-	-	1	3	14	51	119	139	90	-
Female	249	-	-	-	1	1	1	7	33	61	84	52	-
Mexican	388	-	-	-	1	1	-	12	40	103	141	90	-
Male	238	-	-	-	-	1	-	9	24	69	86	49	-
Female	150	-	-	-	1	-	-	3	16	34	55	41	-
Puerto Rican	96	-	-	-	-	-	3	5	20	29	29	10	-
Male	54	-	-	-	-	-	2	2	11	18	18	5	-
Female	42	-	-	-	-	-	1	3	9	11	11	5	-
Cuban	31	-	-	-	-	-	-	1	2	10	12	6	-
Male	21	-	-	-	-	-	-	1	2	8	6	4	-
Female	10	-	-	-	-	-	-	-	2	2	6	2	-
Central and South American	26	-	-	-	-	-	-	-	4	7	9	6	-
Male	19	-	-	-	-	-	-	-	3	5	7	4	-
Female	7	-	-	-	-	-	-	-	1	2	2	2	-
Other and unknown Hispanic	115	-	-	-	-	-	1	9	18	31	32	30	-
Male	75	-	-	-	-	-	1	2	11	21	22	18	-
Female	40	-	-	-	-	-	-	7	7	10	10	12	-
Non-Hispanic	33,166	1	3	5	4	21	112	747	4,003	10,969	12,464	4,895	2
Male	19,676	-	2	4	-	12	69	406	2,347	6,804	7,516	2,715	1
Female	13,490	1	1	1	4	9	43	341	1,656	4,365	4,948	2,120	1
White	30,767	-	2	4	1	14	79	605	3,603	10,179	11,735	4,543	2
Male	18,045	-	2	3	-	9	43	316	2,099	6,044	6,987	2,631	1
Female	12,722	-	1	1	5	5	36	289	1,504	4,135	4,738	2,012	1
Black	2,046	1	1	1	2	6	33	134	356	692	597	223	-
Male	1,396	-	-	1	-	3	28	85	224	493	419	145	-
Female	650	1	1	-	2	3	7	49	132	199	178	78	-
Not stated	945	-	-	-	-	-	3	24	146	321	338	114	1
Male	570	-	-	-	-	-	3	17	94	199	201	55	1
Female	375	-	-	-	-	-	-	7	52	122	135	59	-
<b>Ulcer of stomach and duodenum (531-533)</b>													
	4,021	10	2	3	11	29	86	157	439	858	1,342	1,083	1
Male	2,009	5	1	3	7	23	64	100	288	504	647	366	1
Female	2,012	5	1	-	4	6	22	57	151	354	695	717	-
Hispanic	139	1	1	1	1	1	12	8	26	25	30	27	-
Male	90	1	-	1	1	-	11	7	20	16	17	16	-
Female	43	-	1	-	-	1	1	1	6	9	13	11	-
Mexican	63	-	-	-	-	-	5	5	19	8	13	13	-
Male	41	-	-	-	-	-	4	4	13	6	7	7	-
Female	22	-	-	-	-	-	1	1	6	2	6	6	-
Puerto Rican	29	-	-	-	1	-	4	2	2	6	5	3	-
Male	15	-	-	-	1	-	4	2	2	3	3	3	-
Female	8	-	-	-	-	-	-	-	-	3	2	3	-
Cuban	8	-	-	-	-	-	-	-	1	4	3	1	-
Male	5	-	-	-	-	-	-	-	1	3	1	-	-
Female	4	-	-	-	-	-	-	-	-	1	2	1	-
Central and South American	8	1	-	-	-	-	1	-	-	4	1	1	-
Male	7	-	-	-	-	-	1	-	-	3	1	1	-
Female	1	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	30	-	1	1	-	1	2	1	4	3	8	9	-
Male	22	-	-	1	-	-	2	1	4	1	5	8	-
Female	8	-	1	-	-	1	-	-	-	2	3	1	-
Non-Hispanic	3,775	8	1	2	10	28	71	144	398	816	1,269	1,027	1
Male	1,855	3	1	2	6	23	51	89	254	478	607	340	1
Female	1,920	5	-	-	4	5	20	55	144	338	662	687	-
White	3,358	5	1	2	4	15	45	110	321	721	1,171	962	1
Male	1,610	2	1	2	2	10	29	67	208	417	553	318	1
Female	1,748	3	-	-	2	5	16	43	113	304	618	644	-
Black	338	3	-	-	6	13	23	29	67	74	74	40	-
Male	200	1	-	-	4	13	19	20	39	52	37	15	-
Female	138	2	-	-	2	-	4	9	28	22	37	24	-
Not stated	113	1	-	-	-	-	3	5	15	17	43	29	-
Male	64	1	-	-	-	-	2	4	14	10	23	10	-
Female	49	-	-	-	-	-	1	1	1	7	20	19	-

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
Appendicitis (540-543)	281	3	7	11	4	9	18	12	41	60	70	48	-
Male	152	3	3	7	2	4	10	11	28	32	35	19	-
Female	129	-	4	4	2	5	6	1	15	28	35	29	-
Hispanic	10	-	2	1	-	1	2	-	3	1	-	-	-
Male	7	-	1	1	-	1	1	-	2	1	-	-	-
Female	3	-	1	-	-	-	-	-	1	-	-	-	-
Mexican	7	-	2	1	-	-	-	-	2	1	-	-	-
Male	5	-	1	1	-	-	1	-	1	1	-	-	-
Female	2	-	1	-	-	-	-	-	1	-	-	-	-
Puerto Rican	1	-	-	-	-	-	1	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	1	-	-	-	-	-	1	-	-	-	-	-	-
Cuban	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	2	-	-	-	-	-	1	-	1	-	-	-	-
Male	2	-	-	-	-	-	1	-	1	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Hispanic	260	3	5	9	4	8	12	11	37	58	66	47	-
Male	136	3	2	5	2	3	8	10	23	30	32	18	-
Female	124	-	3	4	2	5	4	1	14	28	34	29	-
White	195	3	3	5	2	8	10	5	23	46	54	38	-
Male	97	3	1	3	1	2	6	5	15	23	25	13	-
Female	98	-	2	2	1	4	4	-	8	23	29	25	-
Black	61	-	2	3	2	2	2	6	13	11	7	9	-
Male	37	-	1	2	1	1	2	5	7	6	4	5	-
Female	24	-	1	1	1	1	-	1	6	5	4	4	-
Not stated	11	-	-	1	-	-	2	1	1	1	4	1	-
Male	9	-	-	1	-	-	1	1	1	1	3	1	-
Female	2	-	-	-	-	-	1	-	-	-	1	-	-
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	3,337	43	17	13	9	25	45	101	236	569	1,100	1,178	1
Male	1,234	24	9	8	5	13	28	55	124	288	418	282	-
Female	2,103	19	8	5	4	12	17	46	112	301	682	896	1
Hispanic	94	5	-	3	-	1	2	5	10	16	29	23	-
Male	38	4	-	2	-	1	2	3	5	4	12	5	-
Female	56	1	-	1	-	-	-	2	5	12	17	18	-
Mexican	72	4	-	3	-	-	1	3	6	14	21	18	-
Male	28	4	-	2	-	-	1	1	4	3	10	3	-
Female	44	-	-	1	-	-	-	2	4	11	11	15	-
Puerto Rican	10	1	-	-	-	1	-	1	1	1	3	2	-
Male	4	-	-	-	-	1	-	1	-	-	1	1	-
Female	6	1	-	-	-	-	-	-	1	1	2	1	-
Cuban	4	-	-	-	-	-	-	-	1	1	1	1	-
Male	3	-	-	-	-	-	-	-	1	1	-	1	-
Female	1	-	-	-	-	-	-	-	-	-	1	-	-
Central and South American	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	8	-	-	-	-	-	1	1	-	-	4	2	-
Male	3	-	-	-	-	-	1	1	-	-	1	-	-
Female	5	-	-	-	-	-	-	-	-	-	3	2	-
Non-Hispanic	3,127	38	14	10	9	23	40	92	215	534	1,039	1,114	1
Male	1,143	19	7	6	5	11	23	51	109	258	393	261	-
Female	1,984	17	7	4	4	12	17	41	106	276	646	853	1
White	2,670	21	8	6	5	17	29	58	160	440	910	1,015	1
Male	943	11	3	4	2	8	19	36	85	209	398	229	-
Female	1,727	10	5	2	3	9	11	22	75	231	572	786	1
Black	432	14	8	4	4	5	10	33	53	89	121	93	-
Male	184	8	4	2	3	2	4	15	23	46	50	27	-
Female	248	6	2	2	1	3	6	18	30	43	71	66	-
Not stated	116	2	3	-	-	1	3	4	11	19	32	41	-
Male	53	1	2	-	-	1	3	1	10	6	13	16	-
Female	63	1	1	-	-	-	-	3	1	13	19	25	-
Chronic liver disease and cirrhosis (571)	16,804	17	4	-	36	765	2,443	3,145	4,403	3,613	1,796	377	5
Male	11,000	10	1	-	20	531	1,789	2,259	2,830	2,382	926	167	5
Female	5,804	7	3	-	16	234	654	886	1,473	1,451	870	210	-
Hispanic	1,847	3	-	-	9	137	403	451	455	252	111	24	2
Male	1,402	3	-	-	6	113	341	373	332	156	59	18	2
Female	445	-	-	-	3	24	62	78	123	96	53	6	-
Mexican	1,069	2	-	-	3	62	195	270	304	172	72	11	2
Male	826	2	-	-	1	58	163	231	219	105	39	8	2
Female	273	-	-	-	2	6	32	45	85	67	33	3	-
Puerto Rican	300	-	-	-	3	28	87	72	82	32	11	5	-
Male	238	-	-	-	3	21	76	60	47	23	3	5	-
Female	62	-	-	-	-	7	11	12	15	9	8	-	-
Cuban	28	-	-	-	-	1	7	8	8	3	3	-	-
Male	18	-	-	-	-	1	1	5	6	5	-	-	-
Female	10	-	-	-	-	-	-	2	2	3	3	-	-
Central and South American	134	1	-	-	3	15	29	32	26	14	12	2	-
Male	94	1	-	-	2	13	24	25	17	5	6	1	-
Female	40	-	-	-	1	2	5	7	9	9	6	1	-
Other and unknown Hispanic	266	-	-	-	-	31	91	64	55	26	13	6	-
Male	228	-	-	-	-	22	77	62	43	18	10	4	-
Female	60	-	-	-	-	9	14	12	12	8	3	2	-
Non-Hispanic	14,285	14	4	-	24	588	1,829	2,569	3,770	3,427	1,630	335	2
Male	9,116	7	1	-	11	392	1,357	1,779	2,482	2,121	843	141	2
Female	5,169	7	3	-	13	196	571	784	1,308	1,306	787	194	-
White	11,441	9	2	-	14	358	1,245	1,844	3,127	3,043	1,481	316	2
Male	7,343	3	-	-	7	246	905	1,305	2,058	1,909	771	137	2
Female	4,098	6	2	-	7	112	340	539	1,069	1,134	710	179	-
Black	2,435	5	1	-	8	198	611	612	558	314	115	15	-
Male	1,522	4	1	-	3	130	404	405	351	170	52	2	-
Female	913	1	-	-	5	68	207	207	205	144	63	13	-
Not stated	672	-	-	-	3	40	112	131	178	134	55	18	1
Male	482	-	-	-	3	26	91	107	139	85	25	6	1
Female	190	-	-	-	-	14	21	24	42	49	30	10	-



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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.  
 [Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Cholelithiasis and other disorders of gallbladder (574-575)</b>	1,837	3	1	1	4	18	30	57	138	375	651	659	-
Male	856	3	-	-	2	9	15	29	67	216	314	201	-
Female	1,081	-	1	1	2	9	15	28	71	159	337	458	-
Hispanic	111	1	1	-	1	2	4	6	12	21	33	30	-
Male	48	1	-	-	1	2	1	2	2	13	13	15	-
Female	63	-	1	-	1	1	2	5	10	8	20	15	-
Mexican	78	-	-	-	1	1	3	3	10	14	24	22	-
Male	36	-	-	-	-	1	2	1	2	9	11	10	-
Female	42	-	-	-	1	1	1	2	8	5	13	12	-
Puerto Rican	6	-	-	-	-	-	1	1	-	1	2	1	-
Male	1	-	-	-	-	-	-	-	-	-	-	1	-
Female	5	-	-	-	-	-	1	1	-	1	2	-	-
Cuban	4	-	-	-	-	-	-	-	-	2	1	1	-
Male	3	-	-	-	-	-	-	-	-	2	-	1	-
Female	1	-	-	-	-	-	-	-	-	-	1	-	-
Central and South American	2	-	-	-	-	-	-	1	-	-	1	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	2	-	-	-	-	-	-	1	-	-	1	-	-
Other and unknown Hispanic	21	1	1	-	-	1	-	1	2	4	5	6	-
Male	8	1	-	-	-	-	-	-	2	2	2	3	-
Female	13	-	1	-	-	-	-	-	2	2	3	3	-
Non-Hispanic *	1,768	2	-	1	3	16	29	50	121	340	604	605	-
Male	781	2	-	-	2	8	13	25	63	195	290	180	-
Female	887	-	-	1	1	8	13	25	58	145	314	425	-
White	1,549	2	-	1	1	13	16	38	83	298	531	559	-
Male	680	2	-	-	1	7	8	20	51	175	254	170	-
Female	869	-	-	1	-	6	7	16	42	123	277	389	-
Black	172	-	-	-	2	3	11	11	22	32	57	34	-
Male	64	-	-	-	1	1	5	6	7	13	27	4	-
Female	108	-	-	-	1	2	6	5	15	19	30	30	-
Not stated *	58	-	-	-	-	-	-	1	5	14	14	24	-
Male	27	-	-	-	-	-	-	-	2	8	11	6	-
Female	31	-	-	-	-	-	-	1	3	6	3	18	-
<b>Nephritis, nephrotic syndrome, and nephrosis (580-589)</b>	12,938	139	14	11	50	181	317	501	1,236	2,626	4,278	3,574	1
Male	6,274	68	6	6	24	121	212	281	683	1,366	2,089	1,417	1
Female	6,664	71	8	5	26	70	105	220	553	1,240	2,209	2,157	-
Hispanic	684	24	3	2	6	16	35	41	101	137	201	118	-
Male	319	14	2	1	4	12	21	16	57	52	88	52	-
Female	365	10	1	1	2	4	14	25	44	85	113	66	-
Mexican	444	16	2	1	4	7	14	28	64	90	139	82	-
Male	207	10	1	-	2	5	8	10	33	36	64	38	-
Female	237	6	1	-	2	2	6	18	31	54	75	44	-
Puerto Rican	88	5	-	-	2	6	9	9	13	22	24	10	-
Male	39	2	-	-	-	5	5	2	8	5	8	4	-
Female	49	3	-	-	1	1	4	7	5	17	16	6	-
Cuban	24	-	1	-	-	-	-	1	3	3	8	6	-
Male	15	-	1	-	-	-	-	1	3	2	5	3	-
Female	9	-	-	-	-	-	-	-	-	1	3	3	-
Central and South American	34	-	-	2	-	2	2	3	8	6	7	4	-
Male	18	-	-	1	-	2	-	2	6	4	2	1	-
Female	16	-	-	1	-	-	2	1	2	2	5	3	-
Other and unknown Hispanic	84	3	-	-	2	1	10	2	13	16	23	14	-
Male	40	2	-	-	2	-	8	1	7	5	9	6	-
Female	44	1	-	-	-	1	2	1	6	11	14	8	-
Non-Hispanic *	11,790	105	10	9	43	164	282	438	1,081	2,393	3,938	3,350	1
Male	5,699	47	4	5	20	103	176	250	592	1,283	1,906	1,312	1
Female	6,091	58	6	4	23	61	86	166	489	1,110	2,032	2,038	-
White	9,084	64	9	6	23	86	128	231	698	1,781	3,183	2,975	-
Male	4,399	32	4	4	7	55	87	138	386	890	1,555	1,143	-
Female	4,685	32	5	2	16	31	41	95	312	791	1,628	1,732	-
Black	2,472	37	1	3	19	74	127	190	353	557	894	426	1
Male	1,163	14	-	1	13	47	85	102	187	284	309	149	1
Female	1,309	23	1	2	6	27	42	88	166	273	578	283	-
Not stated *	464	10	1	-	1	11	20	24	54	96	141	106	-
Male	256	7	-	-	-	6	15	15	34	51	75	53	-
Female	208	3	1	-	1	5	5	9	20	45	66	53	-
<b>Acute glomerulonephritis and nephrotic syndrome (590-591)</b>	178	3	4	1	3	2	7	8	24	44	48	34	-
Male	93	2	2	-	1	1	6	4	18	26	23	11	-
Female	85	1	2	1	2	1	1	4	6	18	25	23	-
Hispanic	12	-	1	-	-	-	-	2	1	4	3	1	-
Male	6	-	1	-	-	-	-	-	1	1	2	1	-
Female	6	-	-	-	-	-	-	2	-	3	1	-	-
Mexican	3	-	-	-	-	-	-	-	-	2	1	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	3	-	-	-	-	-	-	-	-	2	1	-	-
Puerto Rican	2	-	-	-	-	-	-	2	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	2	-	-	-	-	-	-	2	-	-	-	-	-
Cuban	3	-	1	-	-	-	-	-	-	1	-	1	-
Male	3	-	1	-	-	-	-	-	-	1	-	1	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	2	-	-	-	-	-	-	-	1	1	-	-	-
Male	1	-	-	-	-	-	-	-	1	-	-	-	-
Female	1	-	-	-	-	-	-	-	-	1	-	-	-
Other and unknown Hispanic	2	-	-	-	-	-	-	-	-	-	2	-	-
Male	2	-	-	-	-	-	-	-	-	-	2	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Hispanic *	162	3	3	1	3	2	7	5	23	39	43	33	-
Male	84	2	1	-	-	1	6	3	17	24	20	10	-
Female	78	1	2	1	3	1	1	2	6	15	23	23	-
White	134	3	2	-	3	2	4	2	17	35	38	28	-
Male	71	2	1	-	1	1	4	2	19	21	16	9	-
Female	63	1	1	-	2	1	-	2	4	14	20	19	-
Black	27	-	1	1	-	-	3	3	6	4	4	5	-
Male	13	-	-	-	-	-	2	1	4	3	2	1	-
Female	14	-	1	1	-	-	1	2	2	1	2	4	-
Not stated *	4	-	-	-	-	-	-	1	-	1	2	-	-
Male	3	-	-	-	-	-	-	1	-	1	1	-	-
Female	1	-	-	-	-	-	-	-	-	-	1	-	-

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.  
 [Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042,\*044; see Technical Appendix.]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Nephritis, nephrotic syndrome, and nephrosis—Con.</b>													
<b>Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587)</b>													
.....	885	1	2	—	6	25	42	39	82	175	276	228	—
Male	474	—	1	—	2	15	26	20	54	97	151	108	—
Female	411	1	1	—	3	10	16	19	38	78	125	120	—
Hispanic	36	—	—	—	1	2	8	1	5	5	12	4	—
Male	20	—	—	—	1	1	3	1	4	1	7	2	—
Female	16	—	—	—	—	1	5	—	1	4	5	2	—
Mexican	24	—	—	—	—	2	3	1	3	4	9	2	—
Male	13	—	—	—	—	1	1	1	2	1	6	2	—
Female	11	—	—	—	—	1	2	—	1	3	3	—	—
Puerto Rican	9	—	—	—	—	—	4	—	1	1	3	—	—
Male	5	—	—	—	—	—	2	—	1	—	2	—	—
Female	4	—	—	—	—	—	2	—	—	1	1	—	—
Cuban	1	—	—	—	—	—	—	—	—	—	—	1	—
Male	—	—	—	—	—	—	—	—	—	—	—	—	—
Female	1	—	—	—	—	—	—	—	—	—	—	—	—
Central and South American	1	—	—	—	—	—	—	—	1	—	—	—	—
Male	1	—	—	—	—	—	—	—	1	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—	—	—	—
Other and unknown Hispanic	3	—	—	—	1	—	1	—	—	—	—	1	—
Male	1	—	—	—	1	—	—	—	—	—	—	—	—
Female	2	—	—	—	—	—	1	—	—	—	—	1	—
Non-Hispanic *	813	—	2	—	4	22	31	35	88	165	259	218	—
Male	430	—	1	—	1	14	20	18	46	92	136	102	—
Female	383	—	1	—	3	8	11	17	37	73	117	116	—
White	646	—	2	—	2	13	17	24	62	129	213	184	—
Male	395	—	1	—	1	9	9	13	30	71	114	87	—
Female	311	—	1	—	1	4	8	11	32	58	89	97	—
Black	145	—	—	—	2	8	13	10	19	30	35	28	—
Male	82	—	—	—	—	5	11	4	14	17	19	12	—
Female	63	—	—	—	2	3	2	6	5	13	16	16	—
Not stated *	34	1	—	—	—	1	3	3	4	5	11	6	—
Male	24	—	—	—	—	—	3	1	4	4	8	4	—
Female	10	1	—	—	—	1	—	2	—	1	3	2	—
<b>Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589)</b>													
.....	11,875	135	8	10	42	164	268	454	1,120	2,407	3,954	3,312	1
Male	5,707	66	3	6	22	105	180	257	611	1,263	1,885	1,298	1
Female	6,168	69	5	4	20	59	88	197	509	1,144	2,059	2,014	—
Hispanic	634	24	2	2	5	14	27	38	95	128	186	113	—
Male	293	14	1	1	8	11	18	15	52	50	78	48	—
Female	341	10	1	1	2	3	9	23	43	78	107	64	—
Mexican	417	16	2	—	4	5	11	25	61	84	129	80	—
Male	194	10	1	—	2	4	7	9	31	35	59	38	—
Female	223	6	1	—	2	1	4	16	30	49	70	44	—
Puerto Rican	87	5	—	—	2	1	4	7	12	21	21	10	—
Male	54	2	—	—	—	1	5	2	5	7	6	4	—
Female	33	3	—	—	—	1	2	2	5	16	15	6	—
Cuban	20	—	—	—	—	—	—	1	3	2	8	6	—
Male	12	—	—	—	—	—	—	—	3	1	5	2	—
Female	8	—	—	—	—	—	—	—	—	—	3	4	—
Central and South American	31	—	—	2	—	2	2	3	6	5	7	4	—
Male	16	—	—	—	—	2	—	2	4	4	2	1	—
Female	15	—	—	1	—	—	2	1	2	1	5	3	—
Other and unknown Hispanic	79	3	—	—	1	1	9	2	13	16	21	13	—
Male	37	2	—	—	1	—	8	1	7	5	7	6	—
Female	42	1	—	—	—	1	1	1	6	11	14	7	—
Non-Hispanic *	10,815	102	5	8	38	140	224	386	975	2,189	3,640	3,089	1
Male	5,165	45	2	5	18	88	150	229	529	1,167	1,750	1,200	1
Female	5,630	57	3	3	17	52	74	167	446	1,022	1,890	1,889	—
White	8,304	61	5	6	18	71	107	205	619	1,617	2,632	2,663	—
Male	3,993	30	2	4	6	45	74	121	343	898	1,423	1,047	—
Female	4,311	31	3	2	12	26	33	84	276	719	1,509	1,616	—
Black	2,300	37	—	2	12	66	111	177	328	523	645	383	1
Male	1,068	14	—	1	19	42	72	97	169	244	285	130	1
Female	1,232	23	—	1	4	24	39	80	159	279	360	253	—
Not stated *	426	9	1	—	1	10	17	20	50	90	128	100	—
Male	229	7	—	—	6	12	13	20	46	68	68	49	—
Female	197	2	1	—	1	4	5	7	20	44	62	51	—
<b>Infections of kidney (590)</b>													
.....	1,009	4	2	1	2	8	28	36	57	150	342	376	1
Male	301	3	1	—	—	3	10	14	21	56	109	84	—
Female	708	1	1	1	2	5	18	24	36	94	233	292	1
Hispanic	50	2	1	—	—	1	4	4	4	2	16	16	—
Male	15	1	—	—	—	—	1	—	1	—	7	5	—
Female	35	1	1	—	—	1	4	3	4	1	9	11	—
Mexican	37	1	1	—	—	1	2	3	3	1	12	13	—
Male	13	—	—	—	—	—	—	1	—	—	5	5	—
Female	24	—	1	—	—	1	2	2	3	—	7	8	—
Puerto Rican	5	—	—	—	—	—	2	1	1	—	—	1	—
Male	—	—	—	—	—	—	—	—	—	—	—	—	—
Female	5	—	—	—	—	—	2	1	1	—	—	1	—
Cuban	1	—	—	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—	—	—	—
Female	1	—	—	—	—	—	—	—	—	—	—	—	—
Central and South American	—	—	—	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—	—	—	—
Female	7	1	—	—	—	—	—	—	—	1	4	1	—
Other and unknown Hispanic	2	—	—	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—	—	—	—
Female	2	—	—	—	—	—	—	—	—	—	—	—	—
Non-Hispanic *	938	1	1	1	2	7	22	34	60	146	320	353	1
Male	277	2	1	—	—	3	8	13	19	55	100	78	—
Female	662	—	—	1	2	4	14	21	31	81	220	277	1
White	818	2	—	—	—	3	13	26	39	123	285	327	1
Male	226	2	—	—	—	2	5	9	13	41	88	68	—
Female	593	—	—	—	—	1	8	17	26	82	197	261	1
Black	105	—	1	1	2	3	8	7	9	20	29	25	—
Male	44	—	1	—	—	—	3	3	5	12	10	10	—
Female	61	—	—	1	2	3	5	4	4	8	19	15	—
Not stated *	20	—	—	—	—	—	2	—	3	2	6	7	—
Male	9	—	—	—	—	—	2	—	2	—	2	9	—
Female	11	—	—	—	—	—	—	—	1	2	4	4	—





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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.  
 [Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Certain conditions originating in the perinatal period—Con.</b>													
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769)	2,686	2,683	21	6	3	2	-	1	-	-	-	-	-
Male	1,610	1,589	11	5	2	2	-	1	-	-	-	-	-
Female	1,086	1,074	10	1	1	-	-	-	-	-	-	-	-
Hispanic	370	367	2	1	-	-	-	-	-	-	-	-	-
Male	235	233	1	1	-	-	-	-	-	-	-	-	-
Female	135	134	1	-	-	-	-	-	-	-	-	-	-
Mexican	203	201	1	1	-	-	-	-	-	-	-	-	-
Male	130	128	1	1	-	-	-	-	-	-	-	-	-
Female	73	73	-	-	-	-	-	-	-	-	-	-	-
Puerto Rican	33	33	-	-	-	-	-	-	-	-	-	-	-
Male	16	16	-	-	-	-	-	-	-	-	-	-	-
Female	17	17	-	-	-	-	-	-	-	-	-	-	-
Cuban	4	4	-	-	-	-	-	-	-	-	-	-	-
Male	4	4	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	24	24	-	-	-	-	-	-	-	-	-	-	-
Male	16	16	-	-	-	-	-	-	-	-	-	-	-
Female	8	8	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	106	105	1	-	-	-	-	-	-	-	-	-	-
Male	69	69	-	-	-	-	-	-	-	-	-	-	-
Female	37	36	1	-	-	-	-	-	-	-	-	-	-
Non-Hispanic <sup>1</sup>	2,101	2,072	19	5	3	1	-	1	-	-	-	-	-
Male	1,239	1,221	10	4	2	1	-	1	-	-	-	-	-
Female	862	851	9	1	1	-	-	-	-	-	-	-	-
White	1,302	1,281	12	5	2	1	-	1	-	-	-	-	-
Male	783	770	5	4	2	1	-	1	-	-	-	-	-
Female	519	511	7	1	-	-	-	-	-	-	-	-	-
Black	739	733	5	-	1	-	-	-	-	-	-	-	-
Male	420	418	4	-	-	-	-	-	-	-	-	-	-
Female	319	317	1	-	1	-	-	-	-	-	-	-	-
Not stated <sup>2</sup>	225	224	-	-	-	1	-	-	-	-	-	-	-
Male	136	135	-	-	-	1	-	-	-	-	-	-	-
Female	89	89	-	-	-	-	-	-	-	-	-	-	-
Other conditions originating in the perinatal period (760-766,770-779)	8,561	8,475	63	10	2	3	-	2	-	-	-	1	5
Male	4,807	4,758	39	5	1	-	-	-	-	-	-	1	9
Female	3,754	3,717	24	5	1	3	-	2	-	-	-	-	2
Hispanic	1,021	1,014	6	-	-	1	-	-	-	-	-	-	-
Male	568	564	4	-	-	-	-	-	-	-	-	-	-
Female	453	450	2	-	-	1	-	-	-	-	-	-	-
Mexican	622	617	5	-	-	-	-	-	-	-	-	-	-
Male	350	346	4	-	-	-	-	-	-	-	-	-	-
Female	272	271	1	-	-	-	-	-	-	-	-	-	-
Puerto Rican	93	93	-	-	-	-	-	-	-	-	-	-	-
Male	49	49	-	-	-	-	-	-	-	-	-	-	-
Female	44	44	-	-	-	-	-	-	-	-	-	-	-
Cuban	7	7	-	-	-	-	-	-	-	-	-	-	-
Male	2	2	-	-	-	-	-	-	-	-	-	-	-
Female	5	5	-	-	-	-	-	-	-	-	-	-	-
Central and South American	59	59	-	-	-	-	-	-	-	-	-	-	-
Male	35	35	-	-	-	-	-	-	-	-	-	-	-
Female	24	24	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	240	238	1	-	-	1	-	-	-	-	-	-	-
Male	132	132	-	-	-	-	-	-	-	-	-	-	-
Female	108	106	1	-	-	1	-	-	-	-	-	-	-
Non-Hispanic <sup>1</sup>	6,839	6,768	50	9	2	2	-	2	-	-	-	1	5
Male	3,894	3,794	31	4	1	-	-	-	-	-	-	1	3
Female	3,005	2,974	19	5	1	2	-	2	-	-	-	-	2
White	3,742	3,695	32	6	1	2	-	1	-	-	-	1	4
Male	2,107	2,081	20	2	1	-	-	-	-	-	-	1	2
Female	1,635	1,614	12	4	-	2	-	1	-	-	-	-	2
Black	2,999	2,876	17	3	1	-	-	1	-	-	-	-	1
Male	1,624	1,610	11	2	-	-	-	-	-	-	-	-	1
Female	1,275	1,266	6	1	1	-	-	1	-	-	-	-	-
Not stated <sup>2</sup>	701	693	7	1	-	-	-	-	-	-	-	-	-
Male	405	400	4	1	-	-	-	-	-	-	-	-	-
Female	296	293	3	-	-	-	-	-	-	-	-	-	-
Symptoms, signs, and ill-defined conditions (780-789)	19,484	4,218	210	130	637	1,591	1,616	1,094	1,598	2,451	3,033	2,882	66
Male	10,835	2,515	121	79	430	1,083	1,075	704	997	1,435	1,432	922	42
Female	8,629	1,701	89	51	207	448	541	390	601	1,016	1,601	1,960	24
Hispanic	1,789	466	31	17	98	232	200	107	122	183	195	148	3
Male	1,137	280	17	9	74	183	145	77	79	105	105	62	1
Female	643	186	14	8	24	49	55	30	43	58	90	84	2
Mexican	1,067	283	13	13	43	68	72	59	90	137	168	123	-
Male	670	174	5	7	34	60	53	41	59	90	91	58	-
Female	397	109	8	6	9	8	19	18	31	47	75	67	-
Puerto Rican	265	43	9	3	27	85	67	15	10	2	2	2	-
Male	182	24	7	1	18	64	48	10	8	1	1	-	-
Female	83	19	2	2	9	21	19	5	2	1	1	2	-
Cuban	16	6	-	-	-	4	-	2	2	1	1	-	-
Male	11	3	-	-	-	4	-	2	1	-	-	-	-
Female	5	3	-	-	-	-	-	-	1	-	-	-	-
Central and South American	93	26	2	-	10	26	16	10	1	1	1	-	-
Male	70	18	1	-	9	21	14	7	-	-	-	-	-
Female	23	8	1	-	1	5	4	3	1	-	-	-	-
Other and unknown Hispanic	339	106	7	1	18	49	43	21	19	23	26	21	3
Male	204	61	4	1	13	34	30	17	11	14	12	6	1
Female	135	47	3	-	5	15	13	4	8	9	14	15	2
Non-Hispanic <sup>1</sup>	16,896	3,613	168	110	504	1,232	1,308	923	1,415	2,185	2,752	2,663	23
Male	9,204	2,158	97	68	331	851	851	579	871	1,266	1,287	832	13
Female	7,692	1,455	71	42	173	381	457	344	544	919	1,465	1,831	10
White	12,588	2,282	105	62	334	788	788	629	1,103	1,788	2,340	2,333	17
Male	6,696	1,421	59	35	231	541	525	384	669	1,045	1,073	703	10
Female	5,872	861	46	27	103	227	263	245	434	753	1,276	1,630	7
Black	3,971	1,183	57	42	151	430	496	267	282	389	372	307	5
Male	2,283	651	37	30	86	282	314	173	187	209	194	117	3
Female	1,688	532	20	12	65	148	182	94	105	180	178	190	2
Not stated <sup>2</sup>	788	137	11	3	35	67	108	64	61	103	66	73	40
Male	494	77	7	2	25	49	79	48	47	64	40	20	28
Female	294	60	4	1	10	18	29	16	14	39	46	45	12

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988-Con.

[Numbers after causes of death are category numbers of the 1987 Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-94 years	95 years and over	Not stated
<b>All other diseases (Residual)</b>	68,344	1,092	551	614	1,146	2,681	4,997	5,313	9,819	18,431	28,930	25,357	13
Male	46,043	615	302	302	716	1,674	2,908	3,220	5,842	9,840	12,836	7,778	9
Female	52,301	477	249	312	430	1,007	1,489	2,093	4,177	8,491	15,994	17,578	4
<b>Hispanic</b>	4,373	155	78	76	124	372	516	413	580	822	809	628	-
Male	2,511	92	42	45	78	294	395	270	349	332	387	257	-
Female	1,862	63	36	31	46	108	121	143	231	290	422	371	-
<b>Mexican</b>	2,446	97	51	45	63	143	167	196	343	405	522	384	-
Male	1,363	58	30	27	43	102	134	119	205	223	261	161	-
Female	1,083	39	21	18	20	41	53	77	138	182	261	223	-
<b>Puerto Rican</b>	828	20	11	11	20	117	179	115	112	83	88	60	-
Male	514	10	5	6	12	86	141	90	71	42	44	18	-
Female	312	10	6	5	8	32	38	25	41	41	44	42	-
<b>Cuban</b>	116	-	-	2	2	6	9	8	23	14	25	27	-
Male	58	-	-	1	1	2	5	5	8	6	13	13	-
Female	58	-	-	1	1	4	4	3	15	8	12	14	-
<b>Central and South American</b>	247	9	4	7	5	26	34	22	25	43	42	30	-
Male	197	5	3	4	3	19	28	15	16	18	17	9	-
Female	110	4	1	3	2	7	6	7	9	25	25	21	-
<b>Other and unknown Hispanic</b>	738	29	12	11	34	80	107	72	77	77	122	117	-
Male	439	19	4	7	19	56	83	51	48	49	52	56	-
Female	299	10	8	4	15	24	24	21	29	28	70	61	-
<b>Non-Hispanic</b>	90,490	679	448	509	980	2,158	3,622	4,629	6,799	17,102	27,901	24,044	8
Male	11,656	499	246	246	613	1,319	2,319	2,758	5,005	9,202	12,167	7,283	6
Female	48,834	386	203	263	367	849	1,303	1,871	3,794	7,900	15,134	16,761	9
<b>White</b>	76,250	553	318	374	708	1,324	2,145	3,146	6,959	14,517	24,272	21,929	6
Male	34,363	311	169	185	461	838	1,353	1,872	3,990	7,835	10,785	6,550	4
Female	41,887	242	149	189	247	486	792	1,274	2,969	6,682	13,477	15,379	2
<b>Black</b>	12,710	285	108	114	245	789	1,377	1,354	1,639	2,316	2,847	1,834	1
Male	6,455	160	66	53	137	457	800	809	903	1,217	1,148	605	2
Female	6,255	125	42	61	108	332	477	545	738	1,099	1,499	1,229	2
<b>Not stated</b>	3,481	58	24	29	42	141	259	271	440	707	820	685	5
Male	1,876	30	14	11	25	81	184	192	288	406	382	239	4
Female	1,605	28	10	18	17	50	65	79	152	301	438	446	1
<b>Accidents and adverse effects (E800-E949)</b>	58,847	581	1,800	2,555	11,237	10,418	7,222	4,636	4,618	5,221	5,922	4,539	88
Male	39,975	331	1,087	1,676	6,584	6,175	5,572	3,431	3,163	3,168	2,967	1,732	81
Female	18,872	250	713	879	2,653	2,243	1,650	1,205	1,455	2,055	2,955	2,807	7
<b>Hispanic</b>	5,353	79	246	281	1,417	1,315	746	396	324	247	156	98	38
Male	4,222	45	151	195	1,185	1,131	619	304	247	172	94	43	36
Female	1,131	34	95	86	232	184	127	82	77	75	62	55	2
<b>Mexican</b>	3,610	52	181	193	1,034	860	477	258	218	161	89	52	15
Male	2,883	34	103	138	678	747	402	186	173	119	63	24	15
Female	727	18	78	55	156	113	75	62	45	42	26	28	-
<b>Puerto Rican</b>	439	1	21	25	77	114	75	44	35	15	21	11	-
Male	331	-	16	13	61	92	63	35	24	12	11	2	-
Female	108	1	3	12	16	22	12	9	11	3	10	9	-
<b>Cuban</b>	68	-	1	1	4	5	9	6	10	11	2	3	-
Male	52	-	-	1	4	5	9	6	10	11	2	3	-
Female	16	-	-	-	1	3	1	2	1	2	1	3	-
<b>Central and South American</b>	398	4	9	16	119	109	64	29	20	12	6	3	-
Male	309	3	7	10	88	99	48	20	13	7	2	2	-
Female	84	1	2	6	21	10	16	9	7	5	6	1	-
<b>Other and unknown Hispanic</b>	843	12	34	56	182	224	120	57	40	46	25	24	23
Male	647	8	22	33	144	188	97	47	27	32	16	12	21
Female	196	4	12	23	38	36	23	10	13	14	9	12	2
<b>Non-Hispanic</b>	50,358	475	1,475	2,145	8,232	8,500	6,074	3,956	4,025	4,697	5,468	4,285	26
Male	33,489	269	889	1,402	6,953	6,558	4,614	2,905	2,721	2,914	2,720	1,619	22
Female	18,869	206	586	743	2,279	1,942	1,461	1,051	1,304	1,883	2,748	2,666	4
<b>White</b>	40,949	305	1,019	1,557	7,711	6,728	4,672	3,094	3,281	3,930	4,785	3,902	15
Male	28,638	169	626	1,035	5,775	5,205	3,546	2,237	2,141	2,309	2,333	1,447	13
Female	14,113	136	393	522	1,936	1,523	1,128	857	1,080	1,621	2,452	2,455	2
<b>Black</b>	7,769	161	383	489	1,143	1,473	1,176	744	670	633	560	318	9
Male	5,519	95	220	318	888	1,119	918	594	499	416	311	134	7
Female	2,250	66	163	181	245	354	258	160	171	217	249	184	2
<b>Not stated</b>	3,136	27	79	119	588	603	402	284	269	277	298	158	34
Male	2,264	17	47	79	446	488	338	222	195	180	153	70	33
Female	872	10	32	40	142	117	68	62	74	97	145	86	1
<b>Motor vehicle accidents (E810-E825)</b>	29,697	127	652	1,494	8,685	8,381	3,752	2,297	2,043	2,016	1,682	514	34
Male	20,725	74	348	945	6,407	6,248	2,748	1,808	1,313	1,203	916	301	30
Female	8,972	53	304	549	2,278	1,549	1,004	689	730	813	776	213	4
<b>Hispanic</b>	3,107	24	108	187	1,046	790	382	200	163	127	51	11	18
Male	2,422	14	63	128	654	660	301	141	119	91	30	7	18
Female	685	10	45	61	192	130	81	59	44	36	21	4	2
<b>Mexican</b>	2,217	21	89	119	782	532	287	148	118	87	34	5	4
Male	1,758	11	53	83	658	453	214	106	90	63	21	2	4
Female	459	10	36	36	134	79	53	42	28	24	13	3	-
<b>Puerto Rican</b>	172	-	-	13	41	55	25	14	13	3	7	1	-
Male	122	-	-	8	30	38	21	9	11	1	3	1	-
Female	50	-	-	5	11	17	4	5	2	2	4	-	-
<b>Cuban</b>	30	-	-	-	5	5	4	4	5	7	-	-	-
Male	24	-	-	-	4	3	4	3	4	6	-	-	-
Female	6	-	-	-	1	2	-	1	1	1	-	-	-
<b>Central and South American</b>	251	-	4	13	85	75	36	16	10	5	5	-	-
Male	197	-	3	8	70	68	27	10	6	3	2	-	-
Female	54	-	1	5	15	7	11	6	4	2	3	-	-
<b>Other and unknown Hispanic</b>	437	3	15	42	123	123	48	17	17	25	5	5	14
Male	321	3	7	27	92	98	35	13	8	18	4	4	12
Female	116	-	8	15	31	25	13	4	9	7	1	1	2
<b>Non-Hispanic</b>	24,919	97	513	1,235	7,196	5,240	3,167	1,941	1,759	1,759	1,519	486	7
Male	17,132	56	268	774	5,232	3,895	2,285	1,355	1,118	1,033	828	282	6
Female	7,787	41	245	461	1,964	1,345	882	586	641	726	691	204	1
<b>White</b>	20,767	76	371	942	6,148	4,307	2,556	1,589	1,468	1,502	1,374	431	5
Male	14,145	41	187	598	4,437	3,184	1,838	1,091	918	851	7		

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Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.  
 [Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Accidents and adverse effects—Con.</b>													
All other accidents and adverse effects (E800-E807,E826-E949)	29,160	454	1,146	1,061	2,552	4,037	3,470	2,939	2,575	3,205	4,230	4,025	64
Male	19,250	257	739	731	2,177	3,343	2,824	1,823	1,850	1,963	2,051	1,431	61
Female	9,910	197	409	330	375	694	646	516	725	1,242	2,179	2,594	3
Hispanic	2,246	55	138	104	371	525	384	196	161	120	105	87	20
Male	1,800	31	88	69	331	471	318	183	128	81	64	36	20
Female	446	24	50	35	40	54	46	33	33	39	41	51	—
Mexican	1,383	41	92	74	242	328	210	109	100	74	65	47	11
Male	1,125	23	50	55	220	294	188	90	83	47	42	22	11
Female	288	18	42	19	22	34	22	19	17	27	23	25	—
Puerto Rican	287	1	21	12	36	59	50	30	22	12	14	10	—
Male	209	—	18	5	31	54	42	26	13	11	8	1	—
Female	59	1	3	7	5	5	8	4	9	1	6	9	—
Cuban	36	—	—	1	—	3	6	4	6	6	3	8	—
Male	28	—	1	1	—	2	5	3	6	5	2	3	—
Female	10	—	—	—	—	1	1	1	—	1	1	5	—
Central and South American	142	4	5	3	34	34	28	13	10	7	3	3	—
Male	112	3	4	2	28	31	21	10	7	4	—	2	—
Female	30	1	1	1	6	3	5	3	3	3	3	1	—
Other and unknown Hispanic	406	9	19	14	59	101	72	40	23	21	20	19	9
Male	326	5	15	8	52	90	62	34	19	14	12	8	9
Female	80	4	4	6	7	11	10	6	4	7	8	11	—
Non-Hispanic	25,439	378	862	810	2,036	3,260	2,907	2,015	2,266	2,939	3,949	3,799	19
Male	16,357	213	621	628	1,721	2,683	2,332	1,550	1,603	1,781	1,882	1,337	16
Female	9,082	165	341	282	315	597	575	465	663	1,157	2,067	2,462	3
White	20,182	229	648	615	1,565	2,421	2,116	1,505	1,783	2,428	3,411	3,471	10
Male	12,691	128	429	437	1,338	2,011	1,708	1,146	1,223	1,458	1,998	1,208	9
Female	7,491	101	219	178	227	410	408	359	540	970	1,813	2,265	1
Black	4,591	142	274	250	390	745	710	451	442	442	450	276	9
Male	3,175	82	162	164	313	672	560	364	335	273	240	103	7
Female	1,416	60	112	86	77	173	150	97	107	169	210	173	2
Not stated	1,475	21	48	47	145	252	199	128	148	147	176	139	25
Male	1,093	13	30	34	125	209	174	110	119	101	95	58	25
Female	382	8	18	13	20	43	25	18	29	46	81	81	—
<b>Suicide (E950-E959)</b>	18,049	—	—	140	2,884	4,035	3,135	2,021	2,067	1,958	1,443	366	10
Male	14,284	—	—	108	2,425	3,277	2,398	1,471	1,538	1,558	1,196	303	10
Female	3,765	—	—	32	459	758	737	550	519	400	247	63	—
Hispanic	1,029	—	—	12	303	310	182	90	57	38	19	17	1
Male	882	—	—	9	262	265	151	80	47	32	19	16	1
Female	147	—	—	3	41	45	31	10	10	6	—	1	—
Mexican	660	—	—	7	214	198	109	53	33	24	12	9	1
Male	576	—	—	5	189	170	95	47	26	21	12	9	1
Female	85	—	—	2	25	28	14	6	7	3	—	—	—
Puerto Rican	81	—	—	1	18	23	22	9	4	1	1	3	—
Male	65	—	—	1	14	20	15	7	3	1	1	3	—
Female	16	—	—	—	4	3	7	1	1	—	—	—	—
Cuban	29	—	—	—	3	7	1	6	5	4	1	2	—
Male	25	—	—	—	2	7	1	5	5	3	1	1	—
Female	4	—	—	—	1	—	—	1	—	1	—	1	—
Central and South American	73	—	—	1	20	20	19	9	4	—	—	—	—
Male	59	—	—	—	16	17	14	7	4	—	—	—	—
Female	14	—	—	—	4	3	5	2	—	—	—	—	—
Other and unknown Hispanic	186	—	—	3	48	62	31	14	11	9	5	3	—
Male	158	—	—	2	41	51	26	14	9	7	5	3	—
Female	28	—	—	1	7	11	5	—	2	2	—	—	—
Non-Hispanic	16,486	—	—	128	2,489	3,596	2,848	1,858	1,948	1,878	1,401	340	2
Male	12,959	—	—	99	2,089	2,905	2,160	1,328	1,449	1,490	1,158	261	2
Female	3,527	—	—	29	400	691	688	530	499	388	245	59	—
White	14,896	—	—	104	2,134	3,067	2,678	1,704	1,842	1,793	1,349	323	2
Male	11,697	—	—	80	1,788	2,466	1,951	1,220	1,373	1,432	1,116	269	2
Female	3,199	—	—	24	346	601	627	484	469	361	233	54	—
Black	1,171	—	—	14	260	400	204	113	82	58	33	7	—
Male	952	—	—	9	222	337	169	79	57	43	29	7	—
Female	219	—	—	5	38	63	35	34	25	15	4	—	—
Not stated	534	—	—	—	92	129	105	73	52	44	23	9	7
Male	443	—	—	—	74	107	87	63	42	36	21	6	7
Female	91	—	—	—	18	22	18	10	8	8	2	3	—
<b>Homicide and legal intervention (E960-E970)</b>	14,137	197	229	296	3,734	4,455	2,505	1,121	725	460	288	84	83
Male	10,628	97	137	172	3,034	3,487	1,980	869	540	280	146	36	50
Female	3,509	100	92	124	700	968	525	252	165	180	122	48	13
Hispanic	2,511	27	27	44	825	890	412	159	73	30	8	2	14
Male	2,174	16	13	23	735	779	365	135	64	24	5	1	14
Female	337	11	14	21	90	111	47	24	9	6	3	1	—
Mexican	1,372	16	12	21	483	463	225	80	45	18	6	2	1
Male	1,212	9	5	12	433	418	203	70	41	14	5	1	1
Female	160	7	7	9	50	45	22	10	4	4	1	1	—
Puerto Rican	300	2	3	9	99	95	54	23	11	2	1	—	1
Male	241	1	2	3	67	73	44	19	10	1	—	—	1
Female	59	1	1	6	12	22	10	4	1	1	1	—	—
Cuban	49	—	—	1	5	24	11	6	—	1	1	—	—
Male	38	—	—	—	3	20	10	4	—	—	—	—	—
Female	11	—	—	1	2	4	1	2	—	—	—	—	—
Central and South American	406	—	3	5	131	173	65	20	7	1	—	—	1
Male	361	—	1	2	124	153	57	18	6	1	—	—	1
Female	45	—	2	3	7	20	8	4	1	—	—	—	—
Other and unknown Hispanic	384	9	9	8	107	135	67	30	10	8	—	—	11
Male	322	6	5	6	98	115	51	28	7	7	—	—	11
Female	62	3	4	2	19	20	6	4	3	1	—	—	—
Non-Hispanic	11,010	154	192	247	2,756	3,375	1,985	917	625	405	252	78	24
Male	8,140	70	118	145	2,167	2,546	1,523	694	453	238	138	31	17
Female	2,870	84	74	102	589	829	462	223	172	167	114	47	7
White	4,681	77	107	120	842	1,239	928	500	397	247	161	48	15
Male	3,160	34	69	67	585	859	672	359	280	140	78	19	10
Female	1,521	43	38	53	277	370	256	141	117	107	65	29	5
Black	5,950	71	80	118	1,822	2,018	979	380	214	149	84	28	9
Male	4,718	33	48	70	1,531	1,595	783	308	185	97	57	12	7
Female	1,234	38	32	46	291	423	186	72	49				

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**Table 1-35. Deaths from 72 Selected Causes, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.**

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For a listing of reporting States see Technical Appendix. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix.]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
All other external causes (E880-E999)	1,657	31	34	37	242	439	319	191	118	125	75	34	12
Male	1,181	19	18	27	185	338	240	139	78	74	46	16	11
Female	466	12	16	10	57	101	79	52	40	51	29	18	1
Hispanic	150	3	2	5	30	46	24	23	6	5	3	2	1
Male	132	2	2	4	28	43	22	21	4	4	2	1	1
Female	18	1	-	1	4	3	2	2	2	1	1	1	-
Mexican	57	2	-	2	14	17	6	7	4	2	2	2	-
Male	51	1	-	1	14	16	6	7	2	2	2	2	-
Female	6	1	-	1	-	1	-	-	2	-	-	1	-
Puerto Rican	29	-	-	2	7	6	7	4	1	2	-	-	-
Male	24	-	-	2	3	5	7	4	1	2	-	-	-
Female	5	-	-	-	4	1	-	-	-	-	-	-	-
Cuban	1	-	1	-	-	-	-	-	-	-	-	-	-
Male	1	-	1	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	20	-	-	-	4	7	4	5	-	-	-	-	-
Male	19	-	-	-	4	7	4	4	-	-	-	-	-
Female	1	-	-	-	-	-	-	1	-	-	-	-	-
Other and unknown Hispanic	43	1	1	1	5	16	7	7	1	1	1	1	1
Male	37	1	1	1	5	15	5	6	1	-	-	1	1
Female	6	-	-	-	-	1	2	1	-	1	1	1	-
Non-Hispanic <sup>1</sup>	1,376	26	30	31	193	360	273	149	102	107	71	29	5
Male	855	17	15	22	142	271	199	100	65	63	43	14	4
Female	421	9	15	9	51	89	74	49	37	44	28	15	1
White	1,009	17	14	22	136	247	204	117	74	87	60	27	4
Male	890	10	8	15	99	190	145	73	44	52	37	13	3
Female	319	7	6	6	37	57	59	44	30	35	23	14	1
Black	337	9	14	8	48	105	65	32	25	19	9	2	1
Male	250	7	7	6	36	79	52	27	19	10	5	1	1
Female	87	2	7	2	12	26	13	5	6	9	4	1	-
Not stated <sup>2</sup>	131	2	2	1	19	33	22	10	10	13	1	3	6
Male	104	-	1	1	17	24	19	16	9	7	1	1	6
Female	27	2	1	-	2	9	3	1	1	6	-	2	-

<sup>1</sup> Includes races other than white and black.

<sup>2</sup> Includes deaths that occurred in States that did not report Hispanic origin on the death certificate.



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Table 1-36. Deaths From Human Immunodeficiency Virus Infection and Detailed Subcategories, by 10-Year Age Groups, Race and Sex: United States, 1988

[Numbers after causes of death are category numbers introduced in the United States in 1987; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
Human immunodeficiency virus infection (*042-044)	16,602	81	114	54	535	6,036	6,184	2,352	887	286	79	11	3
Male	14,811	49	82	34	447	5,279	5,656	2,214	784	223	53	8	2
Female	1,791	32	52	20	88	757	528	138	83	63	26	3	1
White	11,267	33	48	30	322	3,907	4,221	1,748	648	232	66	10	2
Male	10,479	23	26	23	282	3,599	4,015	1,682	595	179	48	7	2
Female	788	10	22	7	40	308	206	66	51	53	22	3	0
All other	5,335	48	68	24	213	2,129	1,963	604	221	54	11	1	1
Male	4,382	26	38	11	165	1,680	1,641	532	189	44	7	1	1
Female	1,003	22	30	13	48	449	322	72	32	10	4	0	0
Black	5,187	48	66	23	209	2,080	1,912	597	208	52	10	1	1
Male	4,202	26	36	10	161	1,632	1,592	517	178	42	7	1	1
Female	985	22	30	13	48	448	320	70	30	10	3	0	0
Human immunodeficiency virus infection with specified conditions (*042)	16,210	76	93	48	524	5,923	6,045	2,305	837	270	76	10	3
Male	14,495	46	52	33	438	5,184	5,637	2,170	760	215	51	7	2
Female	1,715	30	41	15	88	739	508	136	77	55	25	3	1
White	11,039	30	41	28	318	3,848	4,139	1,713	621	219	65	9	2
Male	10,271	21	21	22	278	3,546	3,937	1,649	574	171	44	6	2
Female	762	9	20	6	40	302	202	64	47	48	21	3	0
All other	5,177	46	52	20	206	2,075	1,906	592	216	51	11	1	1
Male	4,224	25	31	11	160	1,638	1,600	521	188	44	7	1	1
Female	953	21	21	9	46	437	306	71	30	7	4	0	0
Black	5,040	48	52	19	202	2,027	1,855	575	203	49	10	1	1
Male	4,095	25	31	10	156	1,591	1,551	506	175	42	7	1	1
Female	945	21	21	9	46	436	304	69	28	7	3	0	0
With specified infections (*042.0)	4,309	23	18	3	202	1,932	1,727	743	284	80	13	2	2
Male	4,408	14	7	3	162	1,613	1,600	890	242	64	8	2	1
Female	539	9	11	0	40	219	127	53	22	16	5	0	1
White	3,392	11	8	2	124	1,206	1,205	555	202	67	9	2	1
Male	3,142	8	3	2	101	1,108	1,144	528	187	53	5	2	1
Female	250	3	5	0	23	88	61	27	15	14	4	0	0
All other	1,517	12	10	1	78	626	522	188	62	13	4	0	1
Male	1,264	6	4	1	61	505	458	162	55	11	3	0	0
Female	253	6	6	0	17	121	68	26	7	2	1	0	1
Black	1,464	12	10	1	74	609	504	180	57	12	4	0	1
Male	1,214	6	4	1	57	489	439	155	50	10	3	0	0
Female	250	6	6	0	17	120	65	25	7	2	1	0	1
Causing other specified infections (*042.1)	2,948	23	20	15	83	1,103	1,048	400	181	64	18	2	1
Male	2,635	15	11	10	84	967	960	375	145	53	14	0	1
Female	313	8	9	5	9	136	88	25	16	11	4	2	0
White	1,991	9	8	10	58	703	734	287	116	49	14	2	1
Male	1,861	6	4	8	52	657	704	273	106	39	13	1	1
Female	130	3	4	4	8	46	30	14	10	10	1	2	0
All other	957	14	12	5	35	400	314	113	45	15	4	0	0
Male	774	9	7	4	32	310	256	102	39	14	1	0	0
Female	183	5	5	1	3	90	58	11	6	1	3	0	0
Black	930	14	12	4	35	391	305	108	43	15	3	0	0
Male	750	9	7	3	32	301	248	97	38	14	1	0	0
Female	180	5	5	1	3	90	57	11	5	1	2	0	0
With specified malignant neoplasms (*042.2)	1,529	0	0	3	33	528	673	215	62	11	4	0	0
Male	1,505	0	0	2	32	515	669	214	61	10	2	0	0
Female	24	0	0	1	1	13	4	1	1	1	2	0	0
White	1,331	0	0	2	24	445	588	203	57	11	3	0	0
Male	1,315	0	0	2	23	437	584	202	56	10	2	0	0
Female	16	0	0	0	1	8	2	1	1	1	1	0	0
All other	198	0	0	1	9	83	87	12	5	0	1	0	0
Male	190	0	0	1	9	78	86	12	5	0	1	0	0
Female	8	0	0	0	0	5	2	0	0	0	0	0	0
Black	183	0	0	1	9	79	77	12	4	0	1	0	0
Male	175	0	0	1	9	74	75	12	4	0	1	0	0
Female	8	0	0	0	0	5	2	0	0	0	0	0	0
Acquired immunodeficiency syndrome, unspecified (*042.0)	6,824	39	55	27	196	2,460	2,597	947	350	115	41	8	0
Male	5,949	17	34	18	160	2,089	2,305	891	312	88	27	5	0
Female	875	13	21	9	36	371	289	56	38	27	14	1	0
White	4,319	10	25	14	112	1,494	1,614	668	246	92	39	5	0
Male	3,853	7	14	12	102	1,344	1,505	648	225	69	29	4	0
Female	368	3	11	2	10	150	109	22	21	23	14	1	0
All other	2,505	20	30	13	84	966	983	279	104	23	2	1	0
Male	1,990	10	20	6	58	745	803	245	87	19	2	1	0
Female	509	10	10	7	26	221	180	34	17	4	0	0	0
Black	2,463	20	30	13	84	948	969	275	99	22	2	1	0
Male	1,958	10	20	6	58	727	789	242	83	18	2	1	0
Female	507	10	10	7	26	221	180	33	16	4	0	0	0

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Table 1-36. Deaths From Human Immunodeficiency Virus Infection and Detailed Subcategories, by 10-Year Age Groups, Race and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers introduced in the United States in 1987; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
<b>Human Immunodeficiency virus infection causing other specified conditions (*043)</b>	170	1	5	-	4	47	71	21	13	7	1	-	-
Male	139	-	4	-	3	38	60	20	10	3	1	-	-
Female	31	1	1	-	1	9	11	1	3	4	-	-	-
White	112	-	2	-	1	30	42	17	12	7	1	-	-
Male	98	-	2	-	1	27	39	16	9	3	1	-	-
Female	14	-	-	-	-	3	3	1	3	4	-	-	-
All other	58	1	3	-	3	17	29	4	1	-	-	-	-
Male	41	-	2	-	2	11	21	4	1	-	-	-	-
Female	17	1	1	-	1	6	8	-	-	-	-	-	-
Black	58	1	3	-	3	17	29	4	1	-	-	-	-
Male	41	-	2	-	2	11	21	4	1	-	-	-	-
Female	17	1	1	-	1	6	8	-	-	-	-	-	-
<b>Causing lymphadenopathy (*043.0)</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
All other	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Causing specified diseases of the central nervous system (*043.1)</b>	82	1	4	-	-	20	21	8	6	1	1	-	-
Male	50	-	4	-	-	15	17	8	5	-	1	-	-
Female	12	1	-	-	-	5	4	-	1	1	-	-	-
White	39	-	2	-	-	12	12	5	6	1	1	-	-
Male	36	-	2	-	-	12	11	5	5	-	1	-	-
Female	3	-	-	-	-	-	1	-	1	1	-	-	-
All other	23	1	2	-	-	8	9	3	-	-	-	-	-
Male	14	-	2	-	-	3	6	3	-	-	-	-	-
Female	9	1	-	-	-	5	3	-	-	-	-	-	-
Black	23	1	2	-	-	8	9	3	-	-	-	-	-
Male	14	-	2	-	-	3	6	3	-	-	-	-	-
Female	9	1	-	-	-	5	3	-	-	-	-	-	-
<b>Causing other disorders involving the immune mechanism (*043.2)</b>	3	-	-	-	-	2	-	1	-	-	-	-	-
Male	3	-	-	-	-	2	-	1	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
White	2	-	-	-	-	2	-	-	-	-	-	-	-
Male	2	-	-	-	-	2	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
All other	1	-	-	-	-	-	-	1	-	-	-	-	-
Male	1	-	-	-	-	-	-	1	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	1	-	-	-	-	-	-	1	-	-	-	-	-
Male	1	-	-	-	-	-	-	1	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Causing other specified conditions (*043.3)</b>	49	-	-	-	3	9	24	8	3	2	-	-	-
Male	44	-	-	-	3	9	21	8	2	1	-	-	-
Female	5	-	-	-	-	-	3	-	1	1	-	-	-
White	35	-	-	-	1	3	18	8	3	2	-	-	-
Male	31	-	-	-	1	3	16	8	2	1	-	-	-
Female	4	-	-	-	-	-	2	-	1	1	-	-	-
All other	14	-	-	-	2	6	6	-	-	-	-	-	-
Male	13	-	-	-	2	6	5	-	-	-	-	-	-
Female	1	-	-	-	-	-	1	-	-	-	-	-	-
Black	14	-	-	-	2	6	6	-	-	-	-	-	-
Male	13	-	-	-	2	6	5	-	-	-	-	-	-
Female	1	-	-	-	-	-	1	-	-	-	-	-	-
<b>Acquired immunodeficiency syndrome-related complex, unspecified (*043.9)</b>	56	-	1	-	1	16	26	4	4	4	-	-	-
Male	42	-	-	-	1	12	22	3	3	2	-	-	-
Female	14	-	1	-	-	4	4	1	1	2	-	-	-
White	35	-	1	-	1	13	12	4	3	4	-	-	-
Male	29	-	-	-	-	10	12	3	2	2	-	-	-
Female	7	-	1	-	-	3	-	1	1	2	-	-	-
All other	20	-	1	-	1	3	14	-	1	-	-	-	-
Male	13	-	-	-	-	2	10	-	1	-	-	-	-
Female	7	-	1	-	1	1	4	-	-	-	-	-	-
Black	20	-	1	-	1	3	14	-	1	-	-	-	-
Male	13	-	-	-	1	2	10	-	1	-	-	-	-
Female	7	-	1	-	1	1	4	-	-	-	-	-	-

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Table 1-36. Deaths From Human Immunodeficiency Virus Infection and Detailed Subcategories, by 10-Year Age Groups, Race and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers introduced in the United States in 1987; see Technical Appendix]

Cause of death, race, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
Other human immunodeficiency virus infection (*044)	222	4	18	6	7	66	68	26	17	9	2	1	-
Male	177	3	6	1	6	57	59	24	14	5	1	1	-
Female	45	1	10	5	1	9	9	2	3	4	1	-	-
White	122	3	8	2	3	29	40	18	13	6	2	1	-
Male	110	2	3	1	3	28	39	17	12	5	1	1	-
Female	12	1	2	1	-	3	1	1	1	1	1	-	-
All other	100	1	11	4	4	37	28	8	4	3	-	-	-
Male	67	1	3	-	3	31	20	7	4	2	-	-	-
Female	33	-	8	4	1	6	8	1	2	3	-	-	-
Black	99	1	11	4	4	36	28	8	4	3	-	-	-
Male	66	1	3	-	3	30	20	7	2	2	-	-	-
Female	33	-	8	4	1	6	8	1	2	3	-	-	-
Causing specified acute infections (*044.0)	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
All other	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Human immunodeficiency virus infection, unspecified (*044.9)	222	4	16	6	7	66	68	26	17	9	2	1	-
Male	177	3	6	1	6	57	59	24	14	5	1	1	-
Female	45	1	10	5	1	9	9	2	3	4	1	-	-
White	122	3	5	2	3	29	40	18	13	6	2	1	-
Male	110	2	3	1	3	26	39	17	12	5	1	1	-
Female	12	1	2	1	-	3	1	1	1	1	1	-	-
All other	100	1	11	4	4	37	28	8	4	3	-	-	-
Male	67	1	3	-	3	31	20	7	2	-	-	-	-
Female	33	-	8	4	1	6	8	1	2	3	-	-	-
Black	99	1	11	4	4	36	28	8	4	3	-	-	-
Male	66	1	3	-	3	30	20	7	2	2	-	-	-
Female	33	-	8	4	1	6	8	1	2	3	-	-	-

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Table 1-37. Death Rates by 10-Year Age Groups and Age-Adjusted Death Rates for Human Immunodeficiency Virus Infection and 3-Digit Subcategories, by Race and Sex: United States, 1988

[Numbers after causes of death are category numbers introduced in the United States in 1987; see Technical Appendix. Rates per 100,000 population]

Cause of death, race, and sex	All ages <sup>1</sup>	Under 1 year <sup>2</sup>	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Age-adjusted rate
Human immunodeficiency virus infection (*042-044)	6.8	2.1	0.8	0.2	1.4	13.8	17.5	9.7	4.0	1.6	0.8	0.4	6.6
Male	12.4	2.5	0.8	0.2	2.4	24.2	32.5	18.8	7.6	2.8	1.5	1.0	12.0
Female	1.4	1.7	.7	.1	.5	3.5	3.0	1.1	.7	.6	.4	.1	1.4
White	5.4	1.1	.4	.1	1.1	10.7	14.0	8.4	3.4	1.5	.8	.4	5.3
Male	10.3	1.4	.4	.2	1.8	19.5	26.7	16.4	6.5	2.5	1.4	.9	9.9
Female	.7	.7	.4	.1	.3	1.7	1.4	.6	.5	.6	.4	.2	.7
All other	13.9	6.5	2.3	.4	3.1	30.2	38.7	18.2	8.3	2.8	1.2	.4	14.1
Male	23.6	6.9	2.5	.3	4.8	50.0	70.4	35.2	15.7	5.4	2.0	1.2	24.8
Female	5.0	6.0	2.2	.4	1.4	12.1	11.8	4.0	2.2	.9	.7	.1	4.9
Black	17.2	6.1	3.0	.4	3.8	37.8	50.2	23.0	9.7	3.4	1.4	.4	17.9
Male	29.3	8.7	3.2	.4	5.9	62.8	91.7	45.2	18.4	6.4	2.6	1.4	31.6
Female	6.3	7.5	2.8	.5	1.7	15.4	15.4	5.0	2.6	1.1	.7	.1	6.2
Human immunodeficiency virus infection with specified conditions (*042)	6.6	2.0	.6	.1	1.4	13.6	17.1	9.5	3.8	1.5	.8	.3	6.4
Male	12.1	2.3	.7	.2	2.3	23.7	31.8	18.5	7.4	2.7	1.4	.8	11.7
Female	1.4	1.6	.6	.1	.5	3.4	2.8	1.1	.7	.6	.4	.1	1.3
White	5.3	1.0	.3	.1	1.0	10.5	13.7	8.2	3.2	1.4	.8	.3	5.1
Male	10.1	1.3	.3	.2	1.8	19.2	26.1	16.1	6.9	2.4	1.4	.8	9.7
Female	.7	.5	.3	.0	.3	1.7	1.3	.5	.5	.5	.4	.2	.7
All other	13.5	6.2	1.8	.3	3.0	29.4	37.6	17.8	8.1	2.7	1.2	.4	13.7
Male	23.0	6.6	2.2	.3	4.7	48.7	68.6	34.5	15.4	5.4	2.0	1.2	24.2
Female	4.7	5.7	1.5	.3	1.3	11.8	11.2	3.9	2.0	.6	.7	.1	4.6
Black	16.7	7.8	2.4	.4	3.7	36.8	48.7	22.5	9.5	3.2	1.4	.4	17.4
Male	28.6	8.3	2.8	.4	5.8	61.2	89.3	44.2	18.1	6.4	2.6	1.4	30.8
Female	6.0	7.2	1.9	.3	1.7	15.0	14.7	4.9	2.4	.8	.7	.1	5.9
Human immunodeficiency virus infection causing other specified conditions (*043)	.1	.0	.0	.0	.0	.1	.2	.1	.1	.0	.0	.0	.1
Male	.1	.0	.1	.0	.0	.2	.3	.2	.1	.0	.0	.0	.1
Female	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
White	.1	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0
Male	.1	.0	.0	.0	.0	.1	.3	.2	.1	.0	.0	.0	.1
Female	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
All other	.2	.1	.1	.0	.0	.2	.6	.1	.0	.0	.0	.0	.1
Male	.2	.1	.1	.0	.1	.3	.9	.3	.1	.0	.0	.0	.2
Female	.1	.3	.1	.0	.0	.2	.3	.0	.0	.0	.0	.0	.1
Black	.2	.3	.1	.0	.1	.3	.8	.2	.0	.0	.0	.0	.2
Male	.3	.2	.1	.0	.1	.4	1.2	.3	.1	.0	.0	.0	.3
Female	.1	.3	.1	.0	.0	.2	.4	.0	.0	.0	.0	.0	.1
Other human immunodeficiency virus infection (*044)	.1	.1	.1	.0	.0	.2	.2	.1	.1	.1	.0	.0	.1
Male	.1	.2	.1	.0	.0	.3	.3	.2	.1	.1	.0	.1	.1
Female	.0	.1	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
White	.1	.1	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.1
Male	.1	.1	.0	.0	.0	.1	.3	.2	.1	.1	.0	.1	.1
Female	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
All other	.3	.1	.4	.1	.1	.5	.6	.2	.1	.2	.0	.0	.3
Male	.4	.3	.2	.0	.1	.9	.8	.5	.2	.0	.0	.0	.4
Female	.2	.0	.5	.1	.0	.2	.3	.1	.1	.3	.0	.0	.2
Black	.3	.2	.5	.1	.1	.7	.7	.3	.2	.2	.0	.0	.3
Male	.5	.3	.3	.0	.1	1.2	1.2	.6	.2	.0	.0	.0	.5
Female	.2	.0	.7	.2	.0	.2	.4	.1	.2	.3	.0	.0	.2

<sup>1</sup> Figures for age not stated included in "Total" but not distributed among age groups.

<sup>2</sup> Death rates under 1 year (based on population counts or estimates) differ from infant mortality rates (based on live births); see Technical Appendix.

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**Table 1-38. Deaths and Death Rates for Human Immunodeficiency Virus Infection: United States and Each State, 1988**

[Human immunodeficiency virus infection deaths are those assigned to category numbers \*042-\*044 introduced in the United States in 1987; see Technical Appendix. Rates per 100,000 population in each area.]

Area	Number	Rate	Area	Number	Rate
United States .....	16,602	6.8			
Alabama .....	92	2.2	Missouri .....	183	3.6
Alaska .....	7	1.3	Montana .....	5	.6
Arizona .....	151	4.3	Nebraska .....	28	1.7
Arkansas .....	53	2.2	Nevada .....	64	8.1
California .....	3,180	11.2	New Hampshire .....	24	2.2
Colorado .....	167	5.1	New Jersey .....	1,157	15.0
Connecticut .....	199	6.2	New Mexico .....	31	2.1
Delaware .....	26	3.9	New York .....	3,990	22.3
District of Columbia .....	247	40.0	North Carolina .....	220	3.4
Florida .....	1,449	11.7	North Dakota .....	3	.4
Georgia .....	473	7.5	Ohio .....	233	2.1
Hawaii .....	61	5.6	Oklahoma .....	79	2.4
Idaho .....	11	1.1	Oregon .....	99	3.6
Illinois .....	459	4.0	Pennsylvania .....	468	3.9
Indiana .....	113	2.0	Rhode Island .....	42	4.2
Iowa .....	24	.8	South Carolina .....	115	3.3
Kansas .....	55	2.2	South Dakota .....	5	.7
Kentucky .....	46	1.2	Tennessee .....	105	2.1
Louisiana .....	247	5.6	Texas .....	1,165	6.9
Maine .....	17	1.4	Utah .....	34	2.0
Maryland .....	248	5.4	Vermont .....	6	1.1
Massachusetts .....	318	5.4	Virginia .....	257	4.3
Michigan .....	217	2.3	Washington .....	205	4.4
Minnesota .....	72	1.7	West Virginia .....	16	.9
Mississippi .....	74	2.8	Wisconsin .....	59	1.2
			Wyoming .....	3	.6

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Table 1-39. Deaths from Human Immunodeficiency Virus Infection, by 10-Year Age Groups, Race, and Sex: United States and Each State, 1988

[Human immunodeficiency virus infection deaths are those assigned to category numbers \*042-044 introduced in the United States in 1987; see Technical Appendix]

Area and race	Male													Female												
	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over		
United States	14,811	49	62	34	447	5,279	5,656	2,214	784	323	53	8	1,791	32	52	20	88	757	528	138	83	83	26	3		
White	10,479	23	26	23	282	3,599	4,015	1,682	585	179	48	7	788	10	22	7	40	308	206	66	51	53	22	3		
All other	4,332	26	36	11	165	1,680	1,641	532	189	44	7	1	1,003	22	30	13	48	449	322	72	32	10	4	-		
Black	4,202	26	36	10	161	1,632	1,582	517	178	42	7	1	995	22	30	13	48	448	320	70	30	10	3	-		
Alabama	81	-	2	-	6	32	28	5	2	5	1	-	11	-	1	-	-	5	2	1	-	2	-	-		
White	48	-	2	-	5	17	12	5	2	4	1	-	6	-	1	-	-	3	1	1	-	1	-	-		
All other	33	-	-	-	1	15	16	-	-	-	-	-	5	-	-	-	-	2	2	-	-	1	-	-		
Black	33	-	-	-	1	15	16	-	-	-	-	-	5	-	-	-	-	2	2	-	-	1	-	-		
Alaska	7	-	-	-	1	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
White	6	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
All other	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Black	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Arizona	139	-	-	-	9	63	42	19	5	1	-	-	12	-	-	-	1	4	2	-	2	3	-	-		
White	129	-	-	-	8	56	42	19	3	1	-	-	10	-	-	-	1	3	2	-	2	2	-	-		
All other	10	-	-	-	1	7	-	-	2	-	-	-	2	-	-	-	-	1	1	-	-	1	-	-		
Black	7	-	-	-	-	6	-	-	1	-	-	-	2	-	-	-	-	1	-	-	-	1	-	-		
Arkansas	47	-	-	-	1	23	17	2	4	-	-	-	6	1	-	-	-	1	3	-	-	-	1	-		
White	31	-	-	-	1	16	11	1	2	-	-	-	4	-	-	-	-	3	-	-	-	-	1	-		
All other	16	-	-	-	-	7	6	1	2	-	-	-	2	1	-	-	-	1	-	-	-	-	-	-		
Black	16	-	-	-	-	7	6	1	2	-	-	-	2	1	-	-	-	1	-	-	-	-	-	-		
California	3,056	2	-	7	70	944	1,245	543	181	51	9	2	124	3	2	3	2	36	33	18	9	9	9	9		
White	2,617	1	-	5	48	775	1,072	497	160	46	9	2	84	3	2	3	2	22	16	12	6	9	9	9		
All other	439	1	-	2	22	168	173	46	21	5	-	-	40	-	-	-	-	14	17	6	3	-	-	-		
Black	387	1	-	2	21	147	152	41	18	5	-	-	37	-	-	-	-	14	16	5	2	-	-	-		
Colorado	162	-	-	-	4	59	61	21	12	4	1	-	5	-	-	-	-	1	1	-	1	2	-	-		
White	149	-	-	-	4	52	57	20	11	4	1	-	5	-	-	-	-	1	1	-	1	2	-	-		
All other	13	-	-	-	-	7	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Black	12	-	-	-	-	6	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Connecticut	160	2	2	-	4	60	53	24	11	4	-	-	39	1	-	1	-	15	15	4	2	1	-	-		
White	110	1	1	-	2	40	33	20	10	3	-	-	19	1	-	-	-	5	8	1	2	1	-	-		
All other	50	1	1	-	2	20	20	4	1	1	-	-	20	-	-	-	-	10	7	3	-	-	-	-		
Black	50	1	1	-	2	20	20	4	1	1	-	-	20	-	-	-	-	10	7	3	-	-	-	-		
Delaware	23	-	-	-	2	10	6	2	3	-	-	-	3	-	-	-	-	1	1	1	-	-	-	-		
White	10	-	-	-	2	1	3	1	3	-	-	-	1	-	-	-	-	-	1	1	-	-	-	-		
All other	13	-	-	-	-	9	3	1	-	-	-	-	2	-	-	-	-	1	1	-	-	-	-	-		
Black	13	-	-	-	-	9	3	1	-	-	-	-	2	-	-	-	-	1	1	-	-	-	-	-		
District of Columbia	222	1	-	-	4	78	98	26	13	2	-	-	25	1	1	1	1	8	9	2	2	-	-	-		
White	78	1	-	-	1	5	54	11	1	1	-	-	6	-	-	-	-	3	1	1	1	-	-	-		
All other	144	-	-	-	3	63	44	15	12	1	-	-	19	1	1	1	1	5	8	1	1	-	-	-		
Black	143	-	-	-	3	69	43	15	12	1	-	-	19	1	1	1	1	5	8	1	1	-	-	-		
Florida	1,227	7	9	4	50	419	441	189	79	16	13	-	222	8	11	3	17	83	67	15	9	6	2	1		
White	788	3	2	3	27	248	292	134	59	10	10	-	61	1	2	-	6	18	14	8	4	5	2	1		
All other	439	4	7	1	23	171	149	55	20	6	3	-	161	7	9	3	11	65	53	7	5	1	-	-		
Black	439	4	7	1	23	171	149	55	20	6	3	-	161	7	9	3	11	65	53	7	5	1	-	-		
Georgia	428	1	2	-	24	176	151	51	16	5	-	-	46	-	-	1	4	24	6	2	4	3	1	-		
White	230	-	-	-	11	85	85	33	13	3	-	-	13	-	-	-	2	2	2	2	3	1	1	-		
All other	198	1	2	-	13	91	66	18	5	2	-	-	32	-	-	1	2	22	4	4	1	2	-	-		
Black	186	1	2	-	13	91	65	17	5	2	-	-	32	-	-	1	2	22	4	4	1	2	-	-		
Hawaii	57	-	-	-	1	20	23	8	4	1	-	-	4	-	-	-	-	-	2	-	1	-	1	-		
White	45	-	-	-	-	15	20	6	3	1	-	-	1	-	-	-	-	-	1	-	-	-	-	-		
All other	12	-	-	-	1	5	3	2	1	-	-	-	3	-	-	-	-	-	1	-	1	-	1	-		
Black	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Idaho	11	-	-	-	1	6	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
White	11	-	-	-	1	6	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
All other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Black	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Illinois	432	2	4	1	20	148	183	69	31	3	1	-	27	2	-	-	2	9	7	2	3	2	-	-		
White	290	1	2	1	10	88	112	49	23	3	1	-	14	-	-	-	1	5	4	1	2	1	-	-		
All other	142	1	2	-	10	60	41	20	8	-	-	-	13	2	-	-	1	4	3	1	1	1	-	-		
Black	141	1	2	-	10	60	41	20	7	-	-	-	12	2	-	-	1	3	3	1	1	1	-	-		
Indiana	104	1	1	2	1	39	35	15	8	1	1	-	9	-	-	-	-	6	-	1	-	1	1	-		
White	81	-	1	2	-	32	28	12	5	1	-	-	5	-	-	-	-	4	-	-	-	1	-	-		
All other	23	1	-	-	1	7	7	3	3	-	-	-	4	-	-	-	-	2	-	1	-	-	1	-		
Black	23	1	-	-	1	7	7	3	3	-	-	-	4	-	-	-	-	2	-	1	-	-	1	-		
Iowa	23	-	-	-	1	6	12	3	1	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-		
White	22	-	-	-	1	5	12	3	1	-	-	-	1	-	-	-	-	1	-	-	-					

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Table 1-39. Deaths from Human Immunodeficiency Virus Infection, by 10-Year Age Groups, Race, and Sex: United States and Each State, 1988—Con.

[Human immunodeficiency virus infection deaths are those assigned to category numbers \*042-044 introduced in the United States in 1987; see Technical Appendix.]

Area and race	Male											Female													
	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	
Maine	18	-	-	-	1	5	9	-	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-
White	16	-	-	-	1	5	9	-	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-
All other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maryland	211	1	2	1	8	65	89	27	8	8	2	-	37	-	1	1	1	22	8	2	-	-	2	-	-
White	94	-	-	-	4	18	39	17	6	8	2	-	9	-	-	-	-	3	2	2	-	-	2	-	-
All other	117	1	2	1	4	47	50	10	2	-	-	-	28	-	1	1	1	19	6	-	-	-	-	-	-
Black	116	1	2	1	4	47	49	10	2	-	-	-	28	-	1	1	1	19	6	-	-	-	-	-	-
Massachusetts	284	2	1	-	7	97	120	44	11	1	-	1	34	-	2	-	5	14	9	3	1	-	-	-	-
White	239	1	1	-	6	79	101	39	10	1	-	1	14	-	1	-	4	6	1	1	1	-	-	-	-
All other	45	1	-	-	1	18	19	5	1	-	-	-	20	-	1	-	1	8	8	2	-	-	-	-	-
Black	45	1	-	-	1	18	19	5	1	-	-	-	20	-	1	-	1	8	8	2	-	-	-	-	-
Michigan	196	-	1	3	9	64	79	34	7	4	-	1	21	-	-	-	1	7	12	1	-	-	-	-	-
White	119	-	-	3	5	44	39	17	6	4	-	1	11	-	-	-	1	7	12	1	-	-	-	-	-
All other	77	-	1	-	4	20	34	17	1	-	-	-	10	-	-	-	-	1	7	12	1	-	-	-	-
Black	77	-	1	-	4	20	34	17	1	-	-	-	10	-	-	-	-	1	7	12	1	-	-	-	-
Minnesota	69	-	-	-	1	22	34	10	-	2	-	-	3	-	-	-	2	1	-	-	1	-	-	-	-
White	65	-	-	-	1	18	34	10	-	2	-	-	1	-	-	-	1	1	-	-	1	-	-	-	-
All other	4	-	-	-	-	4	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-
Black	4	-	-	-	-	4	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-
Mississippi	65	-	-	-	5	32	17	5	3	3	-	-	9	-	-	-	2	1	3	-	2	-	1	-	-
White	40	-	-	-	3	18	13	2	2	2	-	-	4	-	-	-	1	3	-	2	-	2	-	1	-
All other	25	-	-	-	2	14	4	3	1	1	-	-	5	-	-	-	1	1	1	-	-	-	-	-	-
Black	25	-	-	-	2	14	4	3	1	1	-	-	5	-	-	-	1	1	1	-	-	-	-	-	-
Missouri	176	-	-	-	11	66	68	17	12	2	-	-	7	-	-	-	1	2	1	1	1	1	1	-	-
White	136	-	-	-	10	44	60	12	8	2	-	-	4	-	-	-	1	1	1	1	1	1	1	-	-
All other	40	-	-	-	1	22	8	5	4	-	-	-	3	-	-	-	1	1	1	1	1	1	-	-	-
Black	40	-	-	-	1	22	8	5	4	-	-	-	3	-	-	-	1	1	1	1	1	1	-	-	-
Montana	5	-	-	-	-	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White	5	-	-	-	-	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska	26	-	-	-	-	14	6	6	-	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-	-
White	25	-	-	-	-	14	6	5	-	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-	-
All other	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nevada	59	1	-	-	2	24	14	11	3	4	-	-	5	-	-	-	-	1	2	2	-	-	-	-	-
White	52	1	-	-	2	19	13	10	3	4	-	-	3	-	-	-	-	1	2	2	-	-	-	-	-
All other	7	-	-	-	-	5	1	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Black	7	-	-	-	-	5	1	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire	22	-	-	-	1	8	6	4	3	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-
White	22	-	-	-	1	8	6	4	3	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-
All other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey	918	7	6	2	25	338	352	125	42	18	2	1	239	3	6	1	4	119	69	16	9	9	-	-	-
White	468	2	4	1	11	186	165	65	20	12	1	1	74	1	2	-	1	29	26	3	5	7	-	-	-
All other	450	5	2	1	14	152	187	60	22	6	1	-	165	2	6	1	3	90	43	13	4	2	-	-	-
Black	437	5	2	-	14	146	184	59	20	6	1	-	165	2	6	1	3	90	43	13	4	2	-	-	-
New Mexico	28	-	-	-	-	12	5	8	2	1	-	-	3	-	-	-	2	-	1	-	-	-	-	-	-
White	27	-	-	-	-	11	5	8	2	1	-	-	3	-	-	-	2	-	1	-	-	-	-	-	-
All other	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New York	3,311	16	21	6	57	1,059	1,385	541	182	33	9	2	678	5	18	9	33	303	230	51	16	7	5	2	-
White	2,084	9	7	2	41	672	829	365	127	23	8	1	325	2	9	3	17	156	102	19	6	6	3	2	-
All other	1,227	7	14	4	16	387	556	176	55	10	1	1	354	3	9	6	16	147	128	32	10	1	2	-	-
Black	1,206	7	14	4	16	386	542	173	53	9	1	1	353	3	9	6	16	147	128	31	10	1	2	-	-
North Carolina	194	-	-	-	4	78	77	22	6	7	-	-	26	1	1	-	1	13	6	1	3	-	-	-	-
White	98	-	-	-	1	37	35	15	4	6	-	-	6	-	-	-	3	3	1	2	-	-	-	-	-
All other	96	-	-	-	3	41	42	7	2	1	-	-	20	1	1	-	1	10	6	1	1	-	-	-	-
Black	93	-	-	-	3	39	41	7	2	1	-	-	20	1	1	-	1	10	6	1	1	-	-	-	-
North Dakota	3	-	-	-	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White	3	-	-	-	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio	219	-	-	-	11	88	79	25	12	4	-	-	14	-	-	-	6	6	1	1	-	-	-	-	-
White	176	-	-	-	8	70																			





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Table 1-40. Deaths From Human Immunodeficiency Virus Infection and 3-Digit Subcategories, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988

[Numbers after causes of death are category numbers introduced in the United States in 1987; see Technical Appendix. For a listing of reporting states see Technical Appendix.]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
Human immunodeficiency virus infection (*042-044)	12,372	48	77	36	354	4,472	4,693	1,776	645	205	55	8	3
Male	11,056	30	42	21	298	3,905	4,300	1,674	587	158	33	6	2
Female	1,316	18	35	15	56	567	393	102	58	47	22	2	1
Hispanic	1,882	11	20	8	70	788	851	248	70	13	5	-	-
Male	1,623	7	10	5	53	663	582	225	65	9	4	-	-
Female	259	4	10	3	17	123	69	23	5	4	1	-	-
Mexican	422	5	4	4	25	178	120	58	18	7	3	-	-
Male	391	2	-	2	23	169	117	54	17	5	2	-	-
Female	31	3	4	2	2	9	3	4	1	2	1	-	-
Puerto Rican	814	5	10	9	27	365	292	91	17	3	1	-	-
Male	651	5	7	3	16	278	246	79	15	1	1	-	-
Female	163	-	3	-	11	87	46	12	2	2	-	-	-
Cuban	67	-	-	-	1	18	17	20	11	-	-	-	-
Male	66	-	-	-	1	18	17	19	11	-	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	195	1	1	-	3	69	73	31	15	1	1	-	-
Male	182	-	1	-	3	63	72	28	13	1	1	-	-
Female	13	1	-	-	-	6	1	3	2	-	-	-	-
Other and unknown Hispanic	384	-	5	1	14	156	149	48	9	2	-	-	-
Male	339	-	2	-	10	135	130	45	9	2	-	-	-
Female	51	-	3	1	4	21	18	3	-	-	-	-	-
Non-Hispanic	9,857	35	53	22	273	3,489	3,797	1,428	531	182	49	8	2
Male	8,891	21	30	15	236	3,075	3,499	1,354	485	140	29	6	1
Female	876	14	23	7	37	414	298	72	46	42	20	2	1
White	6,390	10	16	11	150	2,122	2,463	1,032	386	150	42	7	1
Male	6,048	7	9	9	140	2,002	2,386	1,009	359	115	26	5	1
Female	342	3	7	2	10	120	97	23	27	35	16	2	1
Black	3,366	25	37	11	120	1,327	1,295	379	133	31	6	1	1
Male	2,739	14	21	6	93	1,034	1,095	332	116	24	3	1	-
Female	627	11	16	5	27	293	200	47	17	7	3	-	1
Not stated	623	2	4	6	11	187	245	102	44	10	1	-	1
Male	542	2	2	1	9	167	219	95	37	9	-	-	1
Female	81	-	2	5	2	30	26	7	7	1	1	-	-
Human immunodeficiency virus infection with specified conditions (*042)	12,115	45	64	32	347	4,394	4,605	1,748	628	194	52	7	3
Male	10,853	28	37	21	293	3,841	4,224	1,646	572	153	31	5	2
Female	1,262	17	27	11	54	553	381	100	54	41	21	2	1
Hispanic	1,855	11	19	8	70	777	841	243	68	13	5	-	-
Male	1,598	7	9	5	53	655	573	220	69	9	4	-	-
Female	257	4	10	3	17	122	88	23	5	4	1	-	-
Mexican	416	5	4	4	25	175	118	58	17	7	3	-	-
Male	385	2	-	2	23	166	115	54	16	5	2	-	-
Female	31	3	4	2	2	9	3	4	1	2	1	-	-
Puerto Rican	800	5	10	3	27	361	295	88	18	3	1	-	-
Male	639	5	7	3	16	275	241	76	14	1	1	-	-
Female	161	-	3	-	11	86	45	12	2	2	-	-	-
Cuban	85	-	-	-	1	17	16	20	11	-	-	-	-
Male	64	-	-	-	1	17	16	19	11	-	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	194	1	1	-	3	69	73	30	15	1	1	-	-
Male	181	-	1	-	3	63	72	27	13	1	1	-	-
Female	13	1	-	-	-	6	1	3	2	-	-	-	-
Other and unknown Hispanic	380	-	4	1	14	155	148	47	9	2	-	-	-
Male	329	-	1	-	10	134	129	44	9	2	-	-	-
Female	51	-	3	1	4	21	19	3	-	-	-	-	-
Non-Hispanic	9,645	32	42	19	266	3,421	3,721	1,402	515	172	46	7	2
Male	8,717	19	28	15	231	3,020	3,434	1,332	472	135	27	5	1
Female	928	13	16	4	35	401	287	70	43	37	19	2	1
White	6,255	8	12	10	148	2,089	2,419	1,010	371	142	39	6	1
Male	5,931	6	6	9	138	1,973	2,325	989	346	110	24	4	1
Female	324	2	6	1	10	116	94	21	25	32	15	2	1
Black	3,279	24	30	9	115	1,292	1,263	377	132	29	6	1	1
Male	2,682	13	20	6	90	1,008	1,071	330	116	24	3	1	-
Female	597	11	10	3	25	284	192	47	16	5	3	-	1
Not stated	615	2	3	5	11	196	243	101	43	9	1	-	1
Male	538	2	2	1	9	166	217	84	37	9	-	-	1
Female	77	-	1	4	2	30	26	7	6	-	1	-	-

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Table 1-40. Deaths From Human Immunodeficiency Virus Infection and 3-Digit Subcategories, by Specified Hispanic Origin, Race for Non-Hispanic Origin, 10-Year Age Groups, and Sex: Total of 26 Reporting States and the District of Columbia, 1988—Con.

[Numbers after causes of death are category numbers introduced in the United States in 1987; see Technical Appendix. For a listing of reporting states see Technical Appendix]

Cause of death, Hispanic origin, race for non-Hispanic origin, and sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
Human immunodeficiency virus infection causing other specified conditions (*043)	118	-	4	-	4	34	48	14	9	4	1	-	-
Male	85	-	3	-	3	28	40	13	7	2	1	-	-
Female	23	-	1	-	1	8	8	1	2	2	-	-	-
Hispanic	14	-	-	-	-	7	4	1	2	-	-	-	-
Male	13	-	-	-	-	6	4	1	2	-	-	-	-
Female	1	-	-	-	-	1	-	-	-	-	-	-	-
Mexican	5	-	-	-	-	3	1	-	1	-	-	-	-
Male	5	-	-	-	-	3	1	-	1	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rican	6	-	-	-	-	2	2	1	1	-	-	-	-
Male	5	-	-	-	-	1	2	1	1	-	-	-	-
Female	1	-	-	-	-	1	-	-	-	-	-	-	-
Cuban	1	-	-	-	-	1	-	-	-	-	-	-	-
Male	1	-	-	-	-	1	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	2	-	-	-	-	1	1	-	-	-	-	-	-
Male	2	-	-	-	-	1	1	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Hispanic *	102	-	4	-	4	28	43	13	7	4	1	-	-
Male	80	-	3	-	3	19	35	12	5	2	1	-	-
Female	22	-	1	-	1	7	8	1	2	2	-	-	-
White	65	-	2	-	1	14	24	12	7	4	1	-	-
Male	55	-	2	-	1	12	21	11	5	2	1	-	-
Female	10	-	-	-	-	2	3	1	2	2	-	-	-
Black	37	-	2	-	3	12	19	1	-	-	-	-	-
Male	25	-	1	-	2	7	14	1	-	-	-	-	-
Female	12	-	1	-	1	5	5	-	-	-	-	-	-
Not stated †	2	-	-	-	-	1	1	-	-	-	-	-	-
Male	2	-	-	-	-	1	1	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Other human immunodeficiency virus infection (*044)	139	3	9	4	3	44	40	16	10	7	2	1	-
Male	108	2	2	-	2	36	36	15	6	3	1	1	-
Female	31	1	7	4	1	8	4	1	2	4	1	-	-
Hispanic	13	-	1	-	-	2	6	4	-	-	-	-	-
Male	12	-	1	-	-	2	5	4	-	-	-	-	-
Female	1	-	-	-	-	-	1	-	-	-	-	-	-
Mexican	1	-	-	-	-	-	1	-	-	-	-	-	-
Male	1	-	-	-	-	-	1	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rican	8	-	-	-	-	2	4	2	-	-	-	-	-
Male	7	-	-	-	-	2	3	2	-	-	-	-	-
Female	1	-	-	-	-	-	1	-	-	-	-	-	-
Cuban	1	-	-	-	-	-	1	-	-	-	-	-	-
Male	1	-	-	-	-	-	1	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Central and South American	1	-	-	-	-	-	-	-	-	-	-	-	-
Male	1	-	-	-	-	-	-	1	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unknown Hispanic	2	-	1	-	-	-	-	1	-	-	-	-	-
Male	2	-	1	-	-	-	-	1	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Hispanic *	120	3	7	3	3	42	33	11	9	6	2	1	-
Male	84	2	1	-	2	36	30	10	8	3	1	1	-
Female	28	1	6	3	1	6	3	1	1	3	1	-	-
White	70	2	2	1	1	19	20	10	8	4	2	1	-
Male	62	1	1	-	1	17	20	9	8	3	1	1	-
Female	8	1	1	1	1	2	-	1	1	1	-	-	-
Black	50	1	5	2	2	23	13	1	1	2	-	-	-
Male	32	1	-	-	1	19	10	1	-	-	-	-	-
Female	18	-	5	2	1	4	3	-	1	2	-	-	-
Not stated †	6	-	1	1	-	-	1	1	1	1	-	-	-
Male	2	-	-	-	-	-	1	1	-	-	-	-	-
Female	4	-	1	1	-	-	-	-	1	1	-	-	-

1 Includes races other than white and black.

2 Includes deaths that occurred in States that did not report Hispanic origin on the death certificate.

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Table 1-41. Deaths From Human Immunodeficiency Virus Infection, by Specified Hispanic Origin, Race for Non-Hispanic Origin, and Sex: Total of 26 Reporting States and the District of Columbia, and Each State, 1988

[Human immunodeficiency virus infection deaths are those assigned to category numbers \*042-\*044 introduced in the United States in 1987; see Technical Appendix]

Area and sex	All origins	Hispanic						Non-Hispanic			Not stated 1
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total 1	White	Black	
All reporting areas	12,372	1,882	422	814	87	195	384	9,867	6,390	3,366	623
Male	11,056	1,623	391	651	66	182	333	8,891	6,048	2,739	542
Female	1,316	259	31	163	1	13	51	976	342	627	81
Alabama	92	1	-	1	-	-	-	88	50	38	3
Male	81	-	-	-	-	-	-	78	45	33	3
Female	11	1	-	1	-	-	-	10	5	5	-
Arizona	151	9	7	1	-	1	-	138	126	9	4
Male	139	8	6	1	-	1	-	127	117	7	4
Female	12	1	1	-	-	-	-	11	9	2	-
Arkansas	53	-	-	-	-	-	-	51	34	17	2
Male	47	-	-	-	-	-	-	46	31	15	1
Female	6	-	-	-	-	-	-	5	3	2	1
California	3,180	419	214	39	19	59	94	2,676	2,220	405	85
Male	3,056	392	193	31	18	57	93	2,581	2,164	389	83
Female	124	27	21	2	1	2	1	95	66	36	2
Colorado	167	7	3	-	-	-	4	158	146	11	2
Male	162	7	3	-	-	-	4	153	141	11	2
Female	5	-	-	-	-	-	-	5	5	-	-
District of Columbia	247	4	-	-	-	2	2	219	71	147	24
Male	222	4	-	-	-	2	2	188	68	129	20
Female	25	-	-	-	-	-	-	21	3	18	4
Georgia	473	3	1	2	-	-	-	464	238	224	6
Male	428	2	1	1	-	-	-	421	226	193	5
Female	45	1	-	1	-	-	-	43	12	31	1
Hawaii	61	4	1	2	-	-	1	56	43	1	1
Male	57	3	1	2	-	-	-	53	42	1	1
Female	4	1	-	-	-	-	1	3	1	-	-
Illinois	459	46	16	17	1	2	10	396	245	149	17
Male	432	43	15	16	1	2	9	373	234	138	16
Female	27	3	1	1	-	-	1	23	11	11	1
Indiana	119	1	-	1	-	-	-	110	84	26	2
Male	104	1	-	1	-	-	-	101	79	22	2
Female	9	-	-	-	-	-	-	9	5	4	-
Kansas	55	3	1	1	1	-	-	40	34	6	12
Male	51	3	1	1	1	-	-	36	32	4	12
Female	4	-	-	-	-	-	-	4	2	2	-
Kentucky	46	-	-	-	-	-	-	42	37	5	4
Male	41	-	-	-	-	-	-	36	34	4	3
Female	5	-	-	-	-	-	-	4	3	1	1
Maine	17	-	-	-	-	-	-	15	15	-	2
Male	16	-	-	-	-	-	-	14	14	-	2
Female	1	-	-	-	-	-	-	1	1	-	-
Mississippi	74	-	-	-	-	-	-	70	41	29	4
Male	65	-	-	-	-	-	-	62	38	24	3
Female	9	-	-	-	-	-	-	8	3	5	1
Montana	5	1	1	-	-	-	-	3	3	-	1
Male	5	1	1	-	-	-	-	3	3	-	1
Female	-	-	-	-	-	-	-	-	-	-	-
Nebraska	28	-	-	-	-	-	-	28	27	-	-
Male	26	-	-	-	-	-	-	26	25	-	-
Female	2	-	-	-	-	-	-	2	2	-	-
New Jersey	1,157	143	3	85	14	19	12	956	367	582	58
Male	918	132	3	85	14	19	11	734	306	421	52
Female	239	11	-	10	-	-	1	222	61	161	6
New York	3,990	1,037	6	642	31	108	250	2,598	1,221	1,359	357
Male	3,311	833	6	496	31	107	203	2,182	1,117	1,050	296
Female	679	204	-	146	-	11	47	414	104	309	61
North Carolina	220	1	-	1	-	-	-	211	88	110	8
Male	194	1	-	1	-	-	-	186	92	91	7
Female	26	-	-	-	-	-	-	25	6	19	1
North Dakota	3	-	-	-	-	-	-	3	3	-	-
Male	3	-	-	-	-	-	-	3	3	-	-
Female	-	-	-	-	-	-	-	-	-	-	-
Ohio	233	4	-	4	-	-	-	216	169	47	13
Male	219	4	-	4	-	-	-	202	161	41	13
Female	14	-	-	-	-	-	-	14	8	6	-
Oregon	99	3	3	-	-	-	-	95	93	1	1
Male	99	3	3	-	-	-	-	95	93	1	1
Female	-	-	-	-	-	-	-	-	-	-	-
Rhode Island	42	5	-	3	-	-	2	34	24	10	3
Male	33	4	-	2	-	-	2	28	20	8	1
Female	9	1	-	1	-	-	-	6	4	2	2
Texas	1,165	182	163	8	1	4	6	970	795	173	13
Male	1,113	174	155	8	1	4	6	926	764	160	13
Female	52	8	8	-	-	-	-	44	31	13	-

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**Table 1-41. Deaths From Human Immunodeficiency Virus Infection, by Specified Hispanic Origin, Race for Non-Hispanic Origin, and Sex: Total of 26 Reporting States and the District of Columbia, and Each State, 1988—Con.**

[Human immunodeficiency virus infection deaths are those assigned to category numbers \*042-\*044 introduced in the United States in 1987; see Technical Appendix]

Area and sex	All origins	Hispanic						Non-Hispanic			Not stated *
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total †	White	Black	
Utah .....	34	2	-	2	-	-	-	32	30	2	-
Male .....	32	1	-	1	-	-	-	31	29	2	-
Female .....	2	1	-	1	-	-	-	1	1	-	-
Washington .....	205	7	3	1	-	-	3	187	173	15	1
Male .....	200	7	3	1	-	-	3	192	168	15	1
Female .....	5	-	-	-	-	-	-	5	5	-	-
Wyoming .....	3	-	-	-	-	-	-	3	3	-	-
Male .....	2	-	-	-	-	-	-	2	2	-	-
Female .....	1	-	-	-	-	-	-	1	1	-	-

† Includes races other than white and black.

\* Includes deaths that occurred in States that did not report Hispanic origin on the death certificate.

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**Table 2-1. Infant and Neonatal Mortality Rates, by Race: Birth-Registration States or United States, 1915-88**

[Prior to 1933, data are for birth-registration States only. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix.  
Rates are infant (under 1 year) and neonatal (under 28 days) deaths per 1,000 live births in specified group]

Year	Infant mortality rate				Neonatal mortality rate			
	All races	White	All other		All races	White	All other	
			Total	Black			Total	Black
1988	10.0	8.5	15.0	17.6	6.3	5.4	9.7	11.5
1987	10.1	8.6	15.4	17.9	6.5	5.5	10.0	11.7
1986	10.4	8.9	15.7	18.0	6.7	5.8	10.1	11.7
1985	10.6	9.3	16.6	19.2	7.0	6.1	10.3	12.1
1984	10.8	9.4	18.1	18.4	7.0	6.2	10.2	11.8
1983	11.2	9.7	16.8	18.2	7.3	6.4	10.8	12.4
1982	11.5	10.1	17.3	19.6	7.7	6.6	11.3	13.1
1981	11.9	10.5	17.8	20.0	8.0	7.1	11.8	13.4
1980	12.6	11.0	19.1	21.4	8.5	7.5	12.5	14.1
1979	13.1	11.4	19.8	21.8	8.9	7.9	12.9	14.3
1978	13.8	12.0	21.1	23.1	9.5	8.4	14.0	15.6
1977	14.1	12.3	21.7	23.6	9.9	8.7	14.7	16.1
1976	15.2	13.3	23.6	25.5	10.8	9.7	16.3	17.9
1975	16.1	14.2	24.2	26.2	11.6	10.4	16.8	18.3
1974	16.7	14.8	24.9	26.8	12.3	11.1	17.2	18.7
1973	17.7	15.8	26.2	28.1	13.0	11.8	17.9	19.3
1972 <sup>1</sup>	18.5	16.4	27.7	29.6	13.6	12.4	18.2	20.7
1971	19.1	17.1	28.6	30.3	14.2	13.0	19.6	21.0
1970	20.0	17.8	30.9	32.6	15.1	13.8	21.4	22.8
1969	20.9	18.4	32.9	34.8	15.6	14.2	22.5	23.9
1968	21.8	19.2	34.5	36.2	16.1	14.7	23.0	24.3
1967	22.4	19.7	35.9	37.5	16.5	15.0	23.8	25.0
1966	23.7	20.6	38.8	40.2	17.2	15.6	24.8	25.9
1965	24.7	21.5	40.3	41.7	17.7	16.1	25.4	26.5
1964	24.8	21.6	41.1	42.3	17.9	16.2	26.5	27.5
1963 <sup>2</sup>	25.2	22.2	41.5	42.8	18.2	16.7	26.1	27.0
1962 <sup>2</sup>	25.3	22.3	41.4	42.6	18.3	16.9	26.1	27.1
1961	25.3	22.4	40.7	41.8	18.4	16.9	26.2	27.1
1960	26.0	22.9	43.2	44.3	18.7	17.2	26.9	27.6
1959	26.4	23.2	44.0	44.8	19.0	17.5	27.7	28.4
1958	27.1	23.8	45.7	46.3	19.5	17.8	29.0	29.7
1957	26.3	23.3	43.7	44.2	19.1	17.5	27.8	28.5
1956	26.0	23.2	42.1	42.4	18.9	17.5	27.0	27.6
1955	26.4	23.6	42.8	43.1	19.1	17.7	27.2	27.8
1954	28.6	23.9	42.9	42.9	19.1	17.8	27.0	27.5
1953	27.8	25.0	44.7	44.5	19.6	18.3	27.4	27.9
1952	28.4	25.5	47.0	46.9	19.8	18.5	28.0	28.5
1951	28.4	25.8	44.8	44.3	20.0	18.9	27.3	27.6
1950	29.2	26.8	44.5	43.9	20.5	19.4	27.5	27.8
1949	31.3	28.9	47.3	46.8	21.4	20.3	28.6	28.8
1948	32.0	29.9	46.5	45.7	22.2	21.2	29.1	29.3
1947	32.2	30.1	48.5	47.7	22.8	21.7	31.0	31.1
1946	33.8	31.8	49.5	48.8	24.0	23.1	31.5	31.7
1945	38.3	35.6	57.0	56.2	24.3	23.3	32.0	32.2
1944	39.8	36.9	60.3	59.3	24.7	23.6	32.5	32.7
1943	40.4	37.5	62.5	61.5	24.7	23.7	32.9	33.1
1942	40.4	37.3	64.6	64.2	25.7	24.5	34.6	34.9
1941	45.3	41.2	74.8	74.1	27.7	26.1	39.0	39.3
1940	47.0	43.2	73.8	72.9	28.8	27.2	39.7	39.9
1935-39	53.2	49.2	81.3	80.1	31.0	29.5	41.4	41.5
1930-34 <sup>2</sup>	60.4	55.2	98.6	90.5	34.4	32.5	48.2	45.8
1925-29	69.0	65.0	105.4	105.3	37.2	36.0	47.9	48.2
1920-24	76.7	73.3	115.3	117.4	39.7	38.7	51.1	52.1
1915-19	95.7	92.8	149.7	150.4	43.4	42.3	58.1	67.9

<sup>1</sup> Deaths based on a 50-percent sample.  
<sup>2</sup> Figures by race exclude data for residents of New Jersey; see Technical Appendix.  
<sup>3</sup> For 1932-34, Mexicans are included with "All other."

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Table 2-2. Infant Mortality Rates by Age, Race, and Sex: United States, 1988

[Rates per 100,000 live births in specified group]

Age	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
Under 1 year .....	995.3	1,099.0	866.3	851.1	952.1	744.7	1,504.0	1,621.2	1,382.4	1,762.0	1,904.6	1,614.7
Under 28 days .....	631.5	694.7	565.2	536.6	594.9	475.2	966.5	1,049.5	880.3	1,145.1	1,248.5	1,038.3
Under 1 day .....	364.0	398.3	328.0	296.8	327.4	264.5	601.3	650.1	550.5	722.8	786.1	657.4
Under 1 hour .....	104.1	112.1	95.6	88.5	95.9	80.7	158.9	169.4	148.0	188.8	203.5	173.7
1-23 hours .....	260.0	286.2	232.4	208.3	231.5	183.8	442.3	480.7	402.5	533.9	562.5	483.8
1 day .....	63.1	70.4	55.3	54.5	61.1	47.5	93.2	103.5	82.6	110.6	123.9	95.8
2 days .....	38.3	41.8	34.6	34.4	38.1	30.5	52.1	55.0	49.1	61.6	65.6	57.6
3 days .....	21.4	24.9	17.7	20.0	22.9	16.9	26.4	32.1	20.5	28.6	35.7	23.3
4 days .....	15.2	16.9	13.4	14.1	16.4	11.8	18.9	18.6	19.1	21.1	20.8	21.5
5 days .....	11.7	12.5	11.0	11.5	12.4	10.4	12.7	12.7	12.7	15.0	15.2	14.8
6 days .....	9.9	11.2	8.5	8.9	9.7	8.0	13.4	16.6	10.2	16.7	20.2	13.0
7-13 days .....	51.9	58.1	45.4	47.8	54.3	40.9	66.4	71.6	60.9	76.2	82.0	70.2
14-20 days .....	31.9	35.4	28.2	28.4	31.0	25.7	44.2	51.2	37.1	50.6	58.9	42.1
21-27 days .....	24.1	25.1	23.1	20.3	21.5	18.9	37.8	38.0	37.5	40.9	40.1	41.8
28-59 days .....	87.3	95.4	78.8	75.4	83.5	66.8	129.4	137.8	120.6	149.7	159.6	139.5
2 months .....	78.8	88.3	68.8	68.6	77.2	59.5	114.8	127.6	101.5	130.8	144.4	116.8
3 months .....	64.9	63.3	46.0	48.4	58.1	38.2	77.6	81.6	73.4	90.2	95.8	84.4
4 months .....	37.3	42.5	31.7	31.7	38.5	24.6	56.9	57.1	56.7	65.2	63.6	66.9
5 months .....	26.7	30.0	23.1	21.7	25.0	18.2	44.2	48.0	40.4	49.4	54.5	44.2
6 months .....	19.9	22.6	17.0	17.4	20.0	14.7	28.5	31.6	25.3	32.7	35.1	30.3
7 months .....	15.6	16.5	14.6	13.9	14.9	12.7	21.5	22.1	21.0	25.3	26.4	24.2
8 months .....	13.5	14.3	12.5	11.4	12.5	10.2	20.7	20.9	20.6	23.2	23.7	22.7
9 months .....	11.3	11.8	10.8	10.2	10.9	9.4	15.4	15.2	15.6	17.4	18.2	16.6
10 months .....	9.2	10.2	8.1	7.8	8.8	6.8	14.0	15.2	12.7	16.7	18.2	15.1
11 months .....	9.4	9.3	9.6	8.0	7.8	8.2	14.5	14.6	14.4	16.2	16.7	15.7

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Table 2-3. Infant Mortality Rates by Age and Race: United States, 1979-88

[Rates per 100,000 live births in specified group]

Age and race	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
<b>ALL RACES</b>										
Under 1 year	995.3	1,008.2	1,035.3	1,064.5	1,078.7	1,116.5	1,152.0	1,193.2	1,260.3	1,306.8
Under 28 days	631.5	646.5	671.1	686.1	700.2	728.4	769.9	802.4	847.6	886.6
Under 1 day	364.0	376.3	388.3	397.9	411.2	426.7	441.0	446.3	463.2	478.7
1 day	63.1	63.9	66.2	74.5	66.0	66.4	69.6	75.5	79.9	100.4
2 days	38.3	39.6	42.3	41.9	44.7	48.0	54.7	58.6	65.6	67.1
3 days	21.4	22.7	24.8	26.3	26.3	27.0	29.8	34.2	36.4	39.4
4 days	15.2	14.9	16.5	16.3	16.5	18.2	20.2	23.2	24.2	24.0
5 days	11.7	11.8	11.7	13.1	12.0	15.0	16.5	18.3	20.7	19.9
6 days	9.9	8.2	10.6	11.5	11.1	11.9	12.3	15.8	15.8	16.1
7-13 days	51.9	51.2	51.1	53.4	52.1	54.7	61.4	68.6	73.3	73.6
14-20 days	31.9	33.4	34.6	34.3	35.4	35.3	37.7	36.2	40.4	39.7
21-27 days	24.1	24.4	26.0	26.9	24.9	25.3	26.7	25.8	28.2	27.8
28-59 days	87.3	87.4	87.8	92.4	92.1	94.6	91.8	98.7	100.7	116.4
2 months	78.8	71.8	76.8	76.3	76.4	76.1	77.4	77.2	81.4	81.1
3 months	54.9	55.2	55.9	54.4	56.9	59.4	60.3	57.7	62.4	62.8
4 months	37.3	37.9	37.6	37.2	39.4	40.8	38.2	41.6	43.9	41.9
5 months	26.7	27.9	26.2	27.0	30.3	29.1	28.0	29.4	29.5	31.4
6 months	19.9	20.4	20.0	20.8	21.8	22.4	22.5	22.5	24.6	22.8
7 months	15.6	15.9	15.6	16.3	16.3	17.9	17.7	17.7	19.2	18.2
8 months	13.5	13.4	14.3	12.5	14.1	14.9	14.2	13.9	16.1	14.3
9 months	11.3	12.0	10.8	11.8	12.6	12.9	12.7	11.1	13.0	10.8
10 months	9.2	9.4	10.5	10.5	9.2	10.0	10.2	10.8	11.0	9.8
11 months	9.4	10.4	9.6	9.1	9.5	9.9	9.2	10.3	11.0	10.7
<b>WHITE</b>										
Under 1 year	851.1	862.5	894.3	931.5	944.3	974.5	1,008.1	1,047.8	1,099.8	1,142.2
Under 28 days	536.6	549.6	580.9	609.5	617.7	640.5	678.4	708.0	748.1	788.4
Under 1 day	286.8	308.4	325.0	337.6	350.6	366.0	380.3	387.2	400.1	415.1
1 day	54.5	55.0	57.8	66.8	59.8	59.5	61.9	66.3	70.9	90.1
2 days	34.4	35.1	37.6	38.5	41.6	44.1	49.9	52.9	60.0	61.9
3 days	20.0	21.5	22.8	24.0	24.7	24.8	27.4	32.7	33.4	37.3
4 days	14.1	14.3	15.4	15.3	15.2	17.3	18.6	21.4	22.5	22.3
5 days	11.5	10.7	11.1	11.8	11.1	14.0	15.4	17.1	18.9	18.3
6 days	8.9	7.7	10.0	10.6	10.2	10.7	11.3	13.9	14.5	15.4
7-13 days	47.8	46.9	47.5	49.7	51.0	50.6	56.6	62.4	67.8	68.0
14-20 days	28.4	29.4	31.3	31.9	31.8	32.1	34.0	31.6	36.5	35.2
21-27 days	20.3	20.7	22.4	23.3	21.7	21.5	23.0	22.4	23.4	24.7
28-59 days	75.4	75.3	73.9	78.4	79.5	80.0	77.4	83.9	83.9	94.9
2 months	68.6	62.5	64.8	68.2	65.6	65.6	66.9	67.9	68.5	66.1
3 months	48.4	48.7	48.8	49.0	50.2	51.9	52.3	50.7	53.9	53.8
4 months	31.7	32.6	33.4	32.9	33.6	35.6	32.5	35.3	37.4	35.0
5 months	21.7	23.4	21.8	23.2	24.9	24.1	23.7	25.0	24.5	26.8
6 months	17.4	17.8	17.1	18.0	18.6	18.6	19.2	20.3	21.8	20.0
7 months	13.9	13.4	13.5	14.4	14.8	15.8	16.3	15.7	16.3	16.0
8 months	11.4	11.1	12.2	10.5	12.5	12.9	12.9	12.4	14.1	12.4
9 months	10.2	10.5	9.5	10.3	10.4	11.7	11.0	9.7	12.1	9.7
10 months	7.8	8.4	9.6	8.8	7.9	8.8	9.6	9.4	9.5	8.7
11 months	8.0	9.3	8.7	8.2	8.7	9.0	8.0	9.6	9.7	10.5
<b>ALL OTHER</b>										
Under 1 year	1,504.0	1,542.2	1,568.1	1,581.7	1,605.6	1,677.7	1,725.4	1,780.1	1,912.5	1,980.5
Under 28 days	866.5	1,001.2	1,012.1	1,039.0	1,023.7	1,075.8	1,134.2	1,183.6	1,251.8	1,288.5
Under 1 day	601.3	625.2	627.3	632.2	648.8	666.5	682.6	685.0	719.2	739.1
1 day	93.2	96.6	97.7	104.4	90.4	93.5	100.3	112.7	116.6	142.4
2 days	52.1	55.9	60.0	54.9	56.9	63.4	73.9	81.6	88.4	88.5
3 days	26.4	26.9	32.4	35.2	32.6	35.8	39.7	40.1	48.6	48.1
4 days	18.9	17.1	20.7	18.9	21.6	22.1	26.5	30.6	31.0	30.8
5 days	12.7	15.7	13.9	18.2	15.3	18.9	20.7	22.9	27.6	25.1
6 days	13.4	10.3	13.1	15.1	14.8	16.7	16.1	23.3	20.9	18.7
7-13 days	66.4	67.1	64.9	68.1	56.5	70.6	80.4	93.7	95.6	95.5
14-20 days	44.2	48.4	47.3	49.6	49.5	47.9	52.1	54.4	56.5	58.0
21-27 days	37.8	38.1	34.7	41.2	37.4	40.3	41.7	39.4	47.4	40.4
28-59 days	129.4	131.6	140.6	146.6	141.8	152.6	149.1	158.5	169.3	204.5
2 months	114.8	105.9	117.4	107.8	118.8	117.6	119.2	115.0	133.8	142.3
3 months	77.6	78.7	82.8	75.7	82.9	89.0	82.4	85.8	96.8	99.4
4 months	56.9	57.3	53.4	54.1	62.0	61.5	61.1	66.6	70.4	70.1
5 months	44.2	44.7	42.9	41.7	51.6	49.0	45.2	47.0	48.5	50.3
6 months	28.5	30.1	30.8	31.6	34.5	37.4	35.6	31.2	36.3	34.1
7 months	21.5	25.2	23.4	23.5	22.1	25.9	23.3	25.5	30.8	27.6
8 months	20.7	21.8	22.4	20.3	20.5	22.7	19.4	19.8	24.0	22.2
9 months	15.4	17.6	15.4	17.7	20.9	17.6	19.6	16.9	16.5	15.5
10 months	14.0	13.3	13.7	17.0	14.2	15.0	12.7	16.5	17.1	14.6
11 months	14.5	14.7	13.2	12.6	12.8	13.6	13.7	13.5	16.1	11.5
<b>BLACK</b>										
Under 1 year	1,762.0	1,786.4	1,803.5	1,819.0	1,835.7	1,918.3	1,964.4	2,000.2	2,137.5	2,178.1
Under 28 days	1,145.1	1,172.1	1,174.6	1,206.9	1,181.3	1,241.8	1,306.7	1,344.0	1,408.2	1,431.2
Under 1 day	722.8	741.8	739.5	746.1	756.5	777.4	789.2	781.4	814.9	820.8
1 day	110.6	111.3	113.0	119.2	104.6	107.0	116.8	128.3	129.6	158.5
2 days	61.6	65.0	68.1	64.1	65.1	72.9	85.9	82.9	101.8	99.2
3 days	29.6	31.8	36.7	40.4	35.9	39.4	43.7	45.8	53.9	52.8
4 days	21.1	19.3	21.7	22.2	24.0	24.9	30.9	34.5	32.9	34.3
5 days	15.0	18.1	15.6	21.2	16.7	21.2	23.6	26.4	30.7	28.0
6 days	18.7	11.8	15.1	16.8	17.4	19.6	18.4	26.2	23.1	21.1
7-13 days	78.2	74.8	71.6	78.4	62.4	79.2	90.4	102.1	107.2	105.9
14-20 days	50.6	55.6	52.3	50.6	55.7	54.3	60.4	60.6	61.6	64.7
21-27 days	40.9	42.6	40.9	47.7	43.0	45.9	47.4	45.9	52.6	45.9
28-59 days	149.7	149.5	156.9	165.7	159.9	173.4	167.9	176.8	189.6	218.0
2 months	130.8	122.2	133.1	119.5	137.2	130.9	133.3	131.0	148.4	155.2
3 months	90.2	87.1	94.3	83.5	93.1	99.5	102.8	93.9	106.0	107.5
4 months	65.2	65.0	61.2	60.0	69.0	71.5	68.2	72.1	77.2	74.6
5 months	49.4	50.5	49.4	47.5	56.5	54.6	49.8	50.5	54.3	53.6
6 months	32.7	35.1	34.9	34.9	38.3	41.8	36.8	33.5	39.7	38.1
7 months	25.3	29.0	26.7	26.5	25.0	26.7	24.6	27.4	34.9	29.8
8 months	23.2	24.0	25.1	21.9	22.6	26.3	20.9	21.3	25.9	23.7
9 months	17.4	20.0	16.9	19.7	23.3	19.8	21.9	17.9	17.3	16.8
10 months	16.7	15.3	15.6	19.1	15.0	15.4	14.2	18.0	18.5	16.6
11 months	16.2	16.7	14.6	13.8	14.5	14.8	15.4	13.8	17.5	13.0



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**Table 2-4. Infant, Neonatal, and Postneonatal Deaths and Mortality Rates by Specified Race or National Origin and Sex: United States, 1988**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days-11 months) deaths per 1,000 live births in specified group.  
The number of infant deaths and infant mortality rates for specified races other than white and black should be interpreted with caution because of inconsistencies in reporting race on birth and death certificates; see Technical Appendix.]

Race and sex	Infant		Neonatal		Postneonatal	
	Number	Rate	Number	Rate	Number	Rate
All races	38,910	10.0	24,690	6.3	14,220	3.6
Male	22,007	11.0	13,911	6.9	8,096	4.0
Female	16,903	8.9	10,779	5.7	6,124	3.2
White	25,925	8.5	16,346	5.4	9,579	3.1
Male	14,878	9.5	9,298	5.9	5,582	3.6
Female	11,047	7.4	7,050	4.8	3,997	2.7
Black	11,840	17.6	7,695	11.5	4,145	6.2
Male	6,503	19.0	4,263	12.5	2,240	6.8
Female	5,337	16.1	3,432	10.4	1,905	5.8
American Indian <sup>1</sup>	414	9.0	187	4.1	227	4.9
Male	220	9.5	100	4.3	120	5.2
Female	194	8.6	87	3.8	107	4.7
Chinese	97	4.2	51	2.2	46	2.0
Male	58	4.9	32	2.7	26	2.2
Female	39	3.5	19	1.7	20	1.8
Japanese	40	3.8	26	2.5	14	1.3
Male	22	4.2	12	2.3	10	1.9
Female	18	3.5	14	2.7	4	.8
Hawaiian	53	6.9	39	5.1	14	1.8
Male	33	8.4	25	6.4	8	2.0
Female	20	5.4	14	3.8	6	1.6
Filipino	101	4.1	74	3.0	27	1.1
Male	53	4.1	39	3.0	14	1.1
Female	48	4.1	35	3.0	13	1.1
Other Asian or Pacific islander	423	5.5	261	3.4	162	2.1
Male	226	5.7	136	3.4	90	2.3
Female	197	5.3	125	3.4	72	1.9
Other	17	5.2	11	3.4	6	1.0
Male	14	8.5	8	4.8	6	3.8
Female	3	1.9	3	1.9	-	-

<sup>1</sup> Includes deaths among Aleuts and Eskimos.

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Table 2-5. Infant Deaths and Mortality Rates for 61 Selected Causes by Race: United States, 1988

[Rates are deaths under 1 year per 100,000 live births in specified group. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	Number				Rate			
	All races	White	All other		All races	White	All other	
			Total	Black			Total	Black
All causes	38,910	25,925	12,985	11,840	995.3	851.1	1,504.0	1,762.0
Certain intestinal infections (008-009)	85	45	40	39	2.2	1.5	4.6	5.8
Whooping cough (033)	4	3	1	1	.1	.1	.1	.1
Meningococcal infection (036)	72	54	18	16	1.8	1.8	2.1	2.4
Septicemia (038)	245	155	90	82	6.3	5.1	10.4	12.2
Viral diseases (045-079)	110	80	30	25	2.8	2.6	3.5	3.7
Congenital syphilis (090)	17	4	13	13	.4	.1	1.5	1.9
Remainder of infectious and parasitic diseases (001-007,010-032,034-035,037,039-041,*042-*044,080-088,091-139)	207	111	96	94	5.3	3.6	11.1	14.0
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	89	70	19	18	2.3	2.3	2.2	2.7
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	60	53	7	4	1.5	1.7	.8	.6
Diseases of thymus gland (254)	5	4	1	1	.1	.1	.1	.1
Cystic fibrosis (277.0)	10	9	1	1	.3	.3	.1	.1
Diseases of blood and blood-forming organs (280-289)	75	47	28	19	1.9	1.5	3.2	2.8
Meningitis (320-322)	205	135	70	62	5.2	4.4	8.1	9.2
Other diseases of nervous system and sense organs (323-309)	454	334	120	104	11.6	11.0	13.9	15.5
Acute upper respiratory infections (460-465)	43	24	19	16	1.1	.8	2.2	2.4
Bronchitis and bronchiolitis (466,490-491)	116	73	42	37	2.9	2.4	4.9	5.5
Pneumonia and influenza (480-487)	641	387	254	224	16.4	12.7	29.4	33.3
Pneumonia (480-486)	635	384	251	222	16.2	12.6	29.1	33.0
Influenza (487)	6	3	3	2	.2	.1	.3	.3
Remainder of diseases of respiratory system (470-478,492-519)	420	262	158	135	10.7	8.6	18.3	20.1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	77	49	28	27	2.0	1.6	3.2	4.0
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	101	57	44	40	2.6	1.9	5.1	6.0
Remainder of diseases of digestive system (520-534,536-543,562-579)	203	135	68	63	5.2	4.4	7.9	9.4
Congenital anomalies (740-759)	8,141	6,442	1,699	1,410	208.2	211.5	196.8	209.8
Anencephalus and similar anomalies (740)	533	449	84	62	13.6	14.7	9.7	9.2
Spina bifida (741)	69	54	15	14	1.8	1.8	1.7	2.1
Congenital hydrocephalus (742.3)	171	130	41	36	4.4	4.3	4.7	5.4
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	333	265	68	55	8.5	8.7	7.9	8.2
Congenital anomalies of heart (745-746)	2,582	2,062	520	434	66.0	67.7	60.2	64.6
Other congenital anomalies of circulatory system (747)	584	425	159	138	14.9	14.0	18.4	20.5
Congenital anomalies of respiratory system (748)	1,109	856	253	217	28.4	28.1	29.3	32.3
Congenital anomalies of digestive system (749-751)	107	72	35	26	2.7	2.4	4.1	3.9
Congenital anomalies of genitourinary system (752-753)	505	428	77	64	12.9	14.1	8.9	9.5
Congenital anomalies of musculoskeletal system (754-756)	601	488	113	89	15.4	16.0	13.1	13.2
Down's syndrome (768.0)	119	90	29	24	3.0	3.0	3.4	3.6
Other chromosomal anomalies (758.1-758.9)	795	637	158	127	20.3	20.9	18.3	18.9
All other and unspecified congenital anomalies (744,757,759)	633	486	147	124	16.2	16.0	17.0	18.5
Certain conditions originating in the perinatal period (760-779)	18,036	11,060	6,976	6,588	461.3	363.1	808.0	977.1
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	147	83	64	57	3.8	2.7	7.4	8.5
Newborn affected by maternal complications of pregnancy (761)	1,411	875	536	509	36.1	28.7	62.1	75.7
Newborn affected by complications of placenta, cord, and membranes (762)	907	615	292	268	23.2	20.2	33.8	39.9
Newborn affected by other complications of labor and delivery (763)	80	40	20	18	1.5	1.3	2.3	2.7
Slow fetal growth and fetal malnutrition (764)	38	20	18	18	1.0	.7	2.1	2.7
Disorders relating to short gestation and unspecified low birthweight (765)	3,268	1,726	1,542	1,478	83.8	56.7	178.6	219.9
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-
Birth trauma (767)	216	148	68	59	5.5	4.9	7.9	8.8
Intrauterine hypoxia and birth asphyxia (768)	777	527	250	232	19.9	17.3	29.0	34.5
Fetal distress in liveborn infant (768.2-768.4)	193	132	61	56	4.9	4.3	7.1	8.3
Birth asphyxia (768.5-768.9)	584	395	189	176	14.9	13.0	21.9	26.2
Respiratory distress syndrome (769)	3,181	2,148	1,033	957	81.4	70.5	119.7	142.4
Other respiratory conditions of newborn (770)	3,588	2,269	1,319	1,241	91.8	74.5	152.8	184.7
Infections specific to the perinatal period (771)	878	574	304	279	22.5	18.8	35.2	41.5
Neonatal hemorrhage (772)	324	198	126	116	8.3	6.5	14.6	17.3
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	45	34	11	10	1.2	1.1	1.3	1.5
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	8	7	1	1	.2	.2	.1	.1
Hemorrhagic disease of newborn (776.0)	3	1	2	2	.1	.0	.2	.3
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	3,185	1,795	1,390	1,321	81.5	58.9	161.0	195.6
Symptoms, signs, and ill-defined conditions (780-799)	6,486	4,342	2,144	1,918	165.9	142.5	248.3	285.4
Sudden infant death syndrome (798.0)	5,476	3,771	1,705	1,520	140.1	123.8	197.5	226.2
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799)	1,010	571	439	398	25.8	18.7	50.8	59.2
Accidents and adverse effects (E800-E949)	936	638	298	281	23.9	20.9	34.5	41.8
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	145	95	50	48	3.7	3.1	5.8	7.1
Accidental mechanical suffocation (E913)	198	120	78	72	5.1	3.9	9.0	10.7
Other accidental causes and adverse effects (E800-E910,E914-E949)	593	423	170	161	15.2	13.9	19.7	24.0
Homicide (E960-E969)	315	180	135	127	8.1	5.9	15.6	18.9
Child battering and other maltreatment (E967)	108	71	37	34	2.8	2.3	4.3	5.1
Other homicide (E960-E966,E968-E969)	207	109	98	93	5.3	3.6	11.4	13.8
All other causes (Residual)	1,758	1,172	586	517	45.0	38.5	67.9	76.9

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**Table 2-6. Mortality From 15 Leading Causes of Infant, Neonatal, and Postneonatal Death: United States, 1988**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days-11 months) deaths per 100,000 live births. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. For method of ranking see Technical Appendix]

Cause of death and rank order	Number	Rate	Percent of total deaths
<b>INFANT</b>			
All causes .....	38,910	995.3	100.0
1 Congenital anomalies (740-759) .....	8,141	208.2	20.9
2 Sudden infant death syndrome (798.0) .....	5,476	140.1	14.1
3 Disorders relating to short gestation and unspecified low birthweight (765) .....	3,268	83.8	8.4
4 Respiratory distress syndrome (769) .....	3,181	81.4	8.2
5 Newborn affected by maternal complications of pregnancy (761) .....	1,411	36.1	3.6
6 Accidents and adverse effects (E800-E949) .....	936	23.9	2.4
7 Newborn affected by complications of placenta, cord, and membranes (762) .....	907	23.2	2.3
8 Infections specific to the perinatal period (771) .....	878	22.5	2.3
9 Intrauterine hypoxia and birth asphyxia (768) .....	777	19.9	2.0
10 Pneumonia and influenza (480-487) .....	641	16.4	1.6
11 Neonatal hemorrhage (772) .....	324	8.3	.8
12 Homicide (E960-E969) .....	315	8.1	.8
13 Septicemia (038) .....	245	6.3	.6
14 Birth trauma (767) .....	216	5.5	.5
15 Meningitis (320-322) .....	205	5.2	.5
... All other causes (Residual) .....	11,989	308.7	30.8
<b>NEONATAL</b>			
All causes .....	24,690	631.5	100.0
1 Congenital anomalies (740-759) .....	5,887	150.6	23.8
2 Disorders relating to short gestation and unspecified low birthweight (765) .....	3,198	81.8	13.0
3 Respiratory distress syndrome (769) .....	2,958	75.7	12.0
4 Newborn affected by maternal complications of pregnancy (761) .....	1,402	35.9	5.7
5 Newborn affected by complications of placenta, cord, and membranes (762) .....	899	23.0	3.6
6 Infections specific to the perinatal period (771) .....	833	21.3	3.4
7 Intrauterine hypoxia and birth asphyxia (768) .....	724	18.5	2.9
8 Sudden infant death syndrome (798.0) .....	368	9.4	1.5
9 Neonatal hemorrhage (772) .....	321	8.2	1.3
10 Birth trauma (767) .....	209	5.3	.8
11 Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	137	3.5	.6
12 Pneumonia and influenza (480-487) .....	124	3.2	.5
13 Accidents and adverse effects (E800-E949) .....	74	1.9	.3
14 Homicide (E960-E969) .....	60	1.5	.2
15 Newborn affected by other complications of labor and delivery (763) .....	58	1.5	.2
... All other causes (Residual) .....	7,438	190.3	30.1
<b>POSTNEONATAL</b>			
All causes .....	14,220	369.7	100.0
1 Sudden infant death syndrome (798.0) .....	5,108	130.7	35.9
2 Congenital anomalies (740-759) .....	2,254	57.7	15.9
3 Accidents and adverse effects (E800-E949) .....	862	22.0	6.1
4 Pneumonia and influenza (480-487) .....	517	13.2	3.6
5 Homicide (E960-E969) .....	255	6.5	1.8
6 Septicemia (038) .....	245	6.3	1.7
7 Respiratory distress syndrome (769) .....	223	5.7	1.6
8 Meningitis (320-322) .....	167	4.3	1.2
9 Bronchitis and bronchiolitis (466,490-491) .....	112	2.9	.8
10 Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	86	2.2	.6
11 Human immunodeficiency virus infection (*042-*044) .....	80	2.0	.6
12 Viral diseases (045-079) .....	80	2.0	.6
13 Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	77	2.0	.6
14 Disorders relating to short gestation and unspecified low birthweight (765) .....	70	1.8	.5
15 Meningococcal infection (036) .....	67	1.7	.5
... All other causes (Residual) .....	4,017	102.7	28.2

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Table 2-7. Infant Mortality Rates for 61 Selected Causes: United States, 1979-88

[Rates are deaths under 1 year per 100,000 live births. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix.]

Cause of death	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
All causes	995.3	1,008.2	1,035.3	1,064.5	1,078.7	1,116.5	1,152.0	1,193.2	1,260.3	1,306.8
Certain intestinal infections (008-009)	2.2	2.4	3.0	2.6	3.8	3.6	3.7	3.6	3.1	3.0
Whooping cough (033)	1.1	-	1.1	1.1	1.2	1.1	1.1	1.1	1.3	1.2
Meningococcal infection (036)	1.8	1.7	1.7	1.8	1.7	1.7	2.6	3.4	2.1	2.5
Septicemia (038)	6.3	6.7	8.0	8.1	8.1	8.3	7.4	8.3	6.7	7.5
Viral diseases (045-079)	2.8	3.0	3.5	2.8	3.1	4.0	3.5	3.3	3.8	4.4
Congenital syphilis (090)	1.4	1.4	1.1	1.2	1.2	1.2	1.3	1.2	1.1	1.2
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-*044, 080-088, 091-139)	5.3	5.4	2.7	3.6	2.6	2.3	2.4	2.2	3.2	2.5
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-200)	2.3	2.7	2.6	3.0	3.1	3.6	3.7	2.5	3.1	3.3
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	1.5	1.5	2.1	1.6	2.1	1.5	1.6	1.5	1.9	1.4
Diseases of thymus gland (254)	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2
Cystic fibrosis (277.0)	1.3	1.4	1.4	1.5	.8	.8	.9	.6	1.1	1.1
Diseases of blood and blood-forming organs (280-289)	1.9	1.7	1.7	2.0	2.4	2.5	2.4	2.1	2.7	3.5
Meningitis (320-322)	5.2	5.6	5.9	6.8	7.3	8.7	9.0	11.6	12.3	12.6
Other diseases of nervous system and sense organs (323-389)	11.6	12.0	11.2	12.4	12.3	14.0	12.3	14.5	14.8	15.5
Acute upper respiratory infections (460-465)	1.1	.7	1.2	1.5	1.5	1.7	1.4	1.8	2.2	2.7
Bronchitis and bronchiolitis (466, 490-491)	2.9	2.6	2.6	2.8	2.6	3.4	3.1	3.6	3.6	4.3
Pneumonia and influenza (480-487)	16.4	17.7	17.6	18.7	18.7	21.1	20.5	22.3	28.0	32.3
Pneumonia (480-486)	16.2	17.5	17.5	18.6	18.5	21.0	20.3	21.9	27.7	32.1
Influenza (487)	1.2	1.2	1.2	1.2	1.1	1.2	1.2	1.4	1.3	1.3
Remainder of diseases of respiratory system (470-478, 492-519)	10.7	11.3	13.1	12.6	13.2	13.8	12.8	14.1	14.0	14.7
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553, 560)	2.0	2.5	2.8	2.2	2.9	2.9	3.5	3.5	3.6	4.9
Gastritis, duodenitis, and noninfective enteritis and colitis (535, 555-558)	2.6	2.9	2.3	2.8	3.4	3.8	3.8	4.2	5.1	6.6
Remainder of diseases of digestive system (520-534, 536-543, 562-579)	5.2	4.8	5.5	6.0	5.6	5.9	5.9	5.7	6.9	7.2
Congenital anomalies (740-759)	208.2	207.0	219.5	227.7	233.0	240.0	245.2	245.6	255.2	255.4
Anencephalus and similar anomalies (740)	13.6	14.3	16.3	18.4	18.5	19.2	19.6	21.1	21.9	22.2
Spina bifida (741)	1.8	2.0	2.2	2.5	2.6	3.4	5.3	5.7	7.1	7.7
Congenital hydrocephalus (742.3)	4.4	4.6	5.3	5.4	6.1	6.2	7.2	9.5	9.0	8.9
Other congenital anomalies of central nervous system and eye (742.0-742.2, 742.4-742.9, 743)	8.5	8.3	8.1	7.3	8.4	8.9	8.3	9.3	8.7	9.0
Congenital anomalies of heart (745-746)	66.0	62.5	65.0	68.7	69.7	70.6	76.2	73.2	79.6	82.0
Other congenital anomalies of circulatory system (747)	14.9	15.7	16.5	18.3	22.4	25.4	24.5	25.1	25.9	24.4
Congenital anomalies of respiratory system (748)	28.4	29.2	29.3	29.1	24.9	24.9	20.8	20.4	17.7	16.3
Congenital anomalies of digestive system (749-751)	2.7	3.5	3.6	4.0	4.1	4.5	6.3	6.0	7.9	7.5
Congenital anomalies of genitourinary system (752-753)	12.9	11.8	14.0	13.5	13.7	13.7	13.7	12.6	12.5	11.8
Congenital anomalies of musculoskeletal system (754-756)	15.4	14.0	16.4	17.1	18.6	20.3	18.2	18.4	17.7	18.7
Down's syndrome (758.0)	3.0	2.3	2.5	2.0	2.7	2.8	2.7	3.0	3.4	3.5
Other chromosomal anomalies (758.1-758.9)	20.3	20.5	20.2	21.1	18.7	17.7	18.1	15.7	14.7	14.2
All other and unspecified congenital anomalies (744, 757, 759)	16.2	18.3	20.1	20.2	22.9	22.9	24.3	25.6	28.9	29.2
Certain conditions originating in the perinatal period (760-779)	461.3	474.4	485.2	507.1	509.2	526.4	562.0	592.7	629.7	667.4
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	3.8	3.2	3.2	2.8	3.8	3.8	3.7	3.6	3.9	3.6
Newborn affected by maternal complications of pregnancy (761)	36.1	36.7	36.1	35.5	38.3	39.9	40.6	40.2	43.5	46.4
Newborn affected by complications of placenta, cord, and membranes (762)	23.2	22.0	22.3	23.7	24.2	23.9	28.4	26.9	27.3	27.8
Newborn affected by other complications of labor and delivery (763)	1.5	2.3	1.9	2.1	1.8	2.5	2.9	3.4	3.9	4.2
Slow fetal growth and fetal malnutrition (764)	1.0	.6	.6	1.0	1.0	1.2	1.3	1.3	1.4	1.6
Disorders relating to short gestation and unspecified low birthweight (765)	83.6	88.0	86.4	86.6	88.9	91.6	98.3	100.8	101.0	100.0
Disorders relating to long gestation and high birthweight (766)	-	-	-	1.0	1.0	-	1.1	1.1	1.1	-
Birth trauma (767)	5.5	6.5	7.1	8.7	10.2	12.2	16.8	25.3	29.3	32.3
Intrauterine hypoxia and birth asphyxia (768)	19.9	20.8	26.2	30.8	31.9	32.9	40.5	38.7	41.4	39.9
Fetal distress in liveborn infant (768.1-768.4)	4.9	4.4	5.1	6.0	6.6	6.7	8.0	7.0	7.8	8.2
Birth asphyxia (768.5-768.9)	14.9	16.4	21.1	24.8	25.3	26.3	32.5	31.7	33.6	31.7
Respiratory distress syndrome (769)	81.4	86.2	90.6	98.2	96.9	101.2	109.7	119.0	138.1	156.2
Other respiratory conditions of newborn (770)	91.8	93.3	95.2	99.6	95.3	94.5	95.5	99.4	102.3	113.2
Infections specific to the perinatal period (771)	22.5	22.6	24.4	25.4	24.2	23.9	25.8	24.7	26.9	28.1
Neonatal hemorrhage (772)	8.3	8.8	9.2	9.8	10.9	14.4	19.4	25.0	26.8	26.4
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	1.2	.7	1.3	1.4	1.5	1.7	1.7	1.9	2.5	2.7
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	1.2	1.2	1.1	1.2	1.2	1.5	1.4	1.2	1.5	1.5
Hemorrhagic disease of newborn (776.0)	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.4
All other and ill-defined conditions originating in the perinatal period (775.2-775.9, 776.1-779)	81.5	82.3	80.5	81.0	79.8	82.1	78.7	81.9	80.4	84.2
Symptoms, signs, and ill-defined conditions (780-799)	165.9	161.1	160.7	158.1	160.1	162.9	161.2	164.1	168.5	168.8
Sudden infant death syndrome (798.0)	140.1	137.3	140.5	141.3	142.9	145.8	143.4	145.9	152.5	151.1
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799)	25.8	23.8	20.2	16.8	17.1	17.1	17.8	18.2	16.0	17.7
Accidents and adverse effects (E800-E949)	23.9	24.9	24.2	23.7	22.8	26.3	27.8	27.0	32.3	30.9
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	3.7	4.2	4.2	4.5	4.2	5.2	6.0	5.8	7.5	7.3
Accidental mechanical suffocation (E913)	5.1	5.3	5.0	4.5	4.9	4.8	4.5	4.5	4.7	5.2
Other accidental causes and adverse effects (E800-E910, E914-E949)	15.2	15.5	15.0	14.6	13.8	16.3	17.3	16.8	20.1	18.4
Homicide (E960-E969)	8.1	7.2	7.4	5.9	6.5	5.3	6.6	6.0	5.8	4.9
Child battering and other maltreatment (E967)	2.8	2.7	2.8	1.7	2.1	1.6	2.5	2.2	2.3	1.8
Other homicide (E960-E966, E968-E969)	5.3	4.5	4.6	3.6	4.3	3.7	4.1	3.8	3.5	3.1
All other causes (Residual)	45.0	47.5	50.2	50.6	51.8	51.5	48.1	48.7	50.0	48.8

1 Rate based on less than 20 infant deaths.

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Table 2-8. Infant Mortality Rates by Race: United States, Each Division and State, 1985-88

[Rates are deaths under 1 year per 1,000 live births in specified group]

Division and State	1988				1987				1986				1985			
	All races	White	All other		All races	White	All other		All races	White	All other		All races	White	All other	
			Total	Black			Total	Black			Total	Black			Total	Black
United States .....	10.0	8.5	15.0	17.6	10.1	8.6	15.4	17.9	10.4	8.9	15.7	18.0	10.6	9.3	15.8	18.2
<b>Geographic divisions:</b>																
New England:																
Maine .....	8.1	7.6	12.2	15.2	7.9	7.3	13.4	18.3	8.8	8.2	14.8	18.2	9.2	8.5	16.6	20.1
New Hampshire .....	10.3	8.4	16.5	18.6	10.3	8.4	16.7	18.5	10.4	8.7	16.0	17.8	10.8	9.3	16.0	17.6
Middle Atlantic:																
East North Central:																
West North Central:																
South Atlantic:																
East South Central:																
West South Central:																
Mountain:																
Pacific:																
New England:																
Maine .....	7.9	8.0	12.6	-	8.3	8.2	11.7	17.9	8.8	9.0	-	-	9.1	9.2	13.2	12.0
New Hampshire .....	8.3	8.4	15.7	13.4	7.8	7.8	15.9	12.8	9.1	9.1	16.7	16.1	9.3	9.2	13.2	29.9
Vermont .....	6.6	6.7	9.1	-	8.5	8.4	13.3	33.3	10.0	9.7	33.3	38.5	8.5	8.5	-	-
Massachusetts .....	7.9	7.3	11.8	15.4	7.2	6.6	11.6	14.4	8.5	7.7	14.6	18.5	9.1	8.2	16.7	20.8
Rhode Island .....	8.2	7.5	12.9	13.8	8.4	8.1	10.7	11.7	9.4	8.8	13.7	16.7	8.2	8.1	8.9	10.7
Connecticut .....	8.9	8.0	13.7	15.5	8.8	7.3	17.2	19.5	9.1	7.8	16.3	18.4	10.0	8.5	19.1	20.9
Middle Atlantic:																
New York .....	10.8	8.9	15.8	18.1	10.7	9.0	15.3	17.2	10.7	9.2	15.0	16.7	10.8	9.4	14.7	16.1
New Jersey .....	9.9	7.9	16.5	18.5	9.4	7.3	16.6	18.1	9.8	7.8	16.4	18.5	10.6	8.8	16.6	18.8
Pennsylvania .....	9.9	8.1	18.4	19.8	10.4	8.3	20.5	22.3	10.2	8.6	18.4	19.8	11.0	9.5	19.1	20.4
East North Central:																
Ohio .....	9.7	8.6	15.2	15.9	9.3	8.2	14.7	15.3	10.6	9.5	16.7	17.4	10.3	9.3	16.1	16.9
Indiana .....	11.0	9.9	18.3	19.9	10.1	9.0	18.1	19.4	11.3	10.1	20.3	21.5	10.9	10.0	18.3	19.5
Illinois .....	11.3	8.7	18.8	20.7	11.6	9.2	18.9	20.6	12.1	9.3	21.1	22.3	11.7	9.3	19.9	21.4
Michigan .....	11.1	8.6	20.6	21.9	10.7	8.4	20.1	21.4	11.4	9.0	21.2	22.8	11.4	9.3	20.8	22.4
Wisconsin .....	8.4	7.5	14.8	16.4	8.6	7.8	14.5	16.5	9.2	8.5	15.3	17.3	9.1	8.5	14.9	17.4
West North Central:																
Minnesota .....	7.8	7.2	13.7	19.5	8.7	8.2	12.9	17.4	8.2	8.9	13.1	16.4	8.8	8.8	9.4	15.5
Iowa .....	8.7	8.3	16.5	19.9	9.1	8.8	14.6	18.5	8.5	8.3	11.5	13.9	9.5	9.4	11.6	12.3
Missouri .....	10.1	9.0	15.2	16.2	10.2	8.9	16.4	17.5	10.7	9.3	17.6	18.5	10.2	9.0	16.3	17.0
North Dakota .....	10.5	10.0	14.3	-	8.7	8.1	13.7	-	8.4	8.3	9.4	-	8.5	8.4	9.9	6.9
South Dakota .....	10.1	9.7	11.9	-	9.9	8.0	18.7	7.9	13.3	10.4	27.5	25.2	9.9	8.9	14.9	-
Nebraska .....	9.0	8.1	17.9	22.4	8.6	8.0	14.6	16.2	10.1	9.2	20.2	20.3	9.6	9.0	16.9	17.7
Kansas .....	8.0	7.0	14.8	16.5	9.5	8.5	16.1	19.2	8.9	8.4	12.4	15.0	9.3	9.0	11.7	14.4
South Atlantic:																
Delaware .....	11.8	9.1	20.1	21.1	11.7	9.4	18.7	20.0	11.5	9.6	17.0	17.6	14.8	11.6	24.8	25.8
Maryland .....	11.3	8.5	16.4	17.8	11.5	8.8	16.5	18.1	11.7	9.5	16.1	17.3	11.9	9.1	17.5	18.9
District of Columbia .....	23.2	19.9	23.9	26.0	19.3	10.8	21.0	22.8	21.1	13.3	22.6	24.0	20.8	10.8	22.9	23.7
Virginia .....	10.4	8.1	16.3	17.9	10.2	8.2	15.6	17.0	11.1	9.0	16.7	18.0	11.5	9.3	17.6	19.2
West Virginia .....	9.0	8.5	19.1	21.6	9.8	9.5	15.4	17.3	10.2	9.6	23.4	26.9	10.7	10.4	18.2	20.6
North Carolina .....	12.5	9.8	18.5	19.5	11.9	9.4	17.2	18.2	11.5	9.2	16.6	17.4	11.8	9.4	17.0	17.8
South Carolina .....	12.3	9.6	18.3	18.6	12.7	9.7	17.5	17.8	13.2	10.1	17.9	18.1	14.2	9.6	21.4	21.8
Georgia .....	12.6	9.2	18.3	18.9	12.7	10.3	17.0	17.5	12.5	9.4	17.9	18.4	12.7	9.5	18.5	19.0
Florida .....	10.6	8.5	16.5	17.4	10.6	8.0	16.0	18.7	11.0	8.8	17.4	18.2	11.3	9.2	17.2	17.8
East South Central:																
Kentucky .....	10.7	10.0	16.4	17.4	9.7	9.5	12.0	12.8	9.8	9.6	12.2	12.7	11.2	10.3	19.7	20.5
Tennessee .....	10.8	8.2	18.4	18.6	11.7	9.2	19.4	19.7	11.0	8.7	18.3	18.6	11.4	8.9	19.4	20.2
Alabama .....	12.1	9.3	17.2	17.2	12.2	8.8	18.6	19.0	13.3	9.8	19.8	20.0	12.6	10.4	16.8	17.0
Mississippi .....	12.3	8.7	16.1	16.1	13.7	9.9	17.9	18.2	12.4	9.0	16.2	16.2	13.7	9.3	18.7	18.9
West South Central:																
Arkansas .....	10.7	8.7	16.4	17.4	10.3	8.7	15.1	15.7	10.3	8.9	14.7	15.3	11.6	10.9	13.8	14.2
Louisiana .....	11.0	9.0	13.7	14.3	11.8	8.0	16.9	17.7	11.9	8.7	16.5	17.0	11.9	8.6	16.7	17.2
Oklahoma .....	9.0	9.3	8.4	12.6	8.6	9.5	9.9	14.0	10.4	10.1	11.4	17.3	10.9	10.8	11.0	18.5
Texas .....	8.0	8.3	12.5	14.2	9.1	8.3	13.5	15.1	9.5	8.6	14.3	15.9	9.8	9.0	14.0	15.5
Mountain:																
Montana .....	8.7	8.8	18.2	12.8	10.0	9.3	13.9	-	9.8	8.7	15.6	-	10.3	9.8	13.9	13.2
Idaho .....	8.8	8.5	15.7	25.0	10.4	10.4	10.4	-	11.3	11.3	10.7	26.3	10.4	10.5	7.3	-
Wyoming .....	8.9	8.8	10.2	16.8	9.2	9.0	11.3	17.9	10.9	10.8	13.1	-	12.2	12.2	11.5	9.9
Colorado .....	9.6	9.6	8.7	12.0	9.8	9.6	11.6	16.4	8.6	8.3	11.9	17.2	9.4	9.1	13.2	15.9
New Mexico .....	10.0	9.7	11.1	14.2	8.1	7.8	9.4	19.9	9.5	9.0	12.0	17.4	10.6	10.6	10.7	14.4
Arizona .....	9.7	9.4	11.1	17.9	9.5	8.9	12.3	15.7	9.4	9.0	11.2	14.7	9.7	9.4	11.3	12.4
Utah .....	8.0	7.9	9.5	16.2	8.8	8.9	7.4	9.1	8.6	8.6	7.7	9.3	9.6	9.7	7.7	9.3
Nevada .....	8.4	7.5	12.8	18.7	8.8	9.2	11.2	17.9	9.1	8.6	11.7	15.9	8.5	8.7	7.3	11.7
Pacific:																
Washington .....	9.0	8.7	11.0	16.1	9.7	9.4	11.8	15.2	9.8	9.8	9.7	13.5	10.7	10.9	9.5	12.6
Oregon .....	8.6	8.5	8.8	14.7	10.4	10.5	9.1	17.7	9.4	9.3	10.4	18.8	9.9	8.7	11.4	17.3
California .....	8.6	8.2	10.1	15.9	9.0	8.7	10.3	16.0	8.9	8.6	10.4	16.2	9.5	9.2	11.0	16.3
Alaska .....	11.6	9.8	14.9	20.2	10.4	8.3	14.4	8.5	10.6	10.1	12.2	11.0	10.8	9.6	13.8	20.5
Hawaii .....	7.2	7.2	7.2	9.0	8.9	8.3	9.1	14.4	9.3	8.6	9.6	11.9	8.8	7.5	9.3	20.0

1 Rate based on less than 20 infant deaths.

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Table 2-9. Neonatal Mortality Rates by Race: United States, Each Division and State, 1985-88

[Rates are deaths under 28 days per 1,000 live births in specified group]

Division and State	1988				1987				1986				1985			
	All races	White	All other		All races	White	All other		All races	White	All other		All races	White	All other	
			Total	Black			Total	Black			Total	Black			Total	Black
United States .....	6.3	5.4	9.7	11.5	6.5	5.5	10.0	11.7	6.7	5.8	10.1	11.7	7.0	6.1	10.3	12.1
<b>Geographic divisions:</b>																
New England .....	5.6	5.2	8.2	10.3	5.5	5.0	9.9	12.0	6.2	5.7	10.7	13.6	6.7	6.2	11.8	14.6
Middle Atlantic .....	7.1	5.9	11.0	12.4	7.1	5.9	11.1	12.3	7.0	6.0	10.5	11.5	7.4	6.6	10.4	11.5
East North Central .....	6.7	5.6	11.6	12.5	6.7	5.5	11.8	12.7	7.4	6.1	13.2	14.1	7.3	6.2	12.6	13.6
West North Central .....	5.4	5.0	8.8	10.7	5.6	5.2	8.6	10.5	5.9	5.6	9.1	10.5	5.9	5.7	8.3	9.8
South Atlantic .....	7.7	5.8	11.8	12.5	7.6	5.9	11.6	12.3	7.9	6.2	11.8	12.4	8.2	6.3	12.6	13.3
East South Central .....	7.0	5.5	10.8	10.9	7.8	5.9	11.8	12.2	7.5	6.2	11.0	11.2	7.8	6.2	12.2	12.5
West South Central .....	5.8	5.2	7.9	9.0	6.0	5.2	9.0	10.2	6.3	5.5	9.0	10.0	6.6	5.9	8.9	10.0
Mountain .....	5.1	5.0	5.6	10.0	5.5	5.3	6.9	10.7	5.4	5.4	5.8	8.9	5.7	5.6	6.2	9.0
Pacific .....	5.1	4.8	6.0	9.5	5.5	5.3	6.1	9.5	5.6	5.4	6.4	9.8	5.9	5.8	6.4	10.0
<b>New England:</b>																
Maine .....	5.2	5.3	-	-	5.0	4.9	8.7	8.9	5.6	5.8	-	-	6.5	6.6	-	-
New Hampshire .....	6.2	5.2	6.7	13.4	5.5	5.6	2.9	6.4	5.9	5.8	6.7	16.1	6.3	6.3	6.6	14.9
Vermont .....	4.2	4.2	-	-	5.2	5.2	-	-	7.5	7.3	22.2	38.5	5.4	5.4	-	-
Massachusetts .....	5.4	5.1	7.5	10.1	5.1	4.7	8.4	10.5	5.8	5.3	10.4	13.6	6.5	6.0	11.0	14.0
Rhode Island .....	6.1	5.5	10.6	10.3	6.1	5.7	8.8	9.9	6.5	6.1	9.6	12.5	6.0	5.9	6.7	8.6
Connecticut .....	6.2	5.6	9.4	10.7	6.2	5.1	13.0	14.7	6.8	5.9	12.1	13.9	7.8	6.6	15.1	16.6
<b>Middle Atlantic:</b>																
New York .....	7.4	6.2	10.7	12.2	7.3	6.3	10.1	11.3	7.3	6.5	9.7	10.8	7.4	6.6	9.6	10.6
New Jersey .....	6.8	5.5	10.6	12.0	6.3	5.0	11.0	11.9	6.6	5.4	10.5	11.7	7.2	6.3	10.4	11.8
Pennsylvania .....	6.7	5.6	12.1	13.1	7.3	6.0	13.9	15.0	6.8	5.7	12.5	13.3	7.6	6.7	12.8	13.5
<b>East North Central:</b>																
Ohio .....	6.1	5.5	9.1	9.6	5.7	5.1	8.7	9.0	6.9	6.1	10.8	11.2	6.7	6.1	10.3	10.9
Indiana .....	6.5	5.8	11.2	12.2	6.4	5.6	12.0	12.9	7.5	6.7	14.2	14.9	7.5	6.7	13.1	13.8
Illinois .....	7.2	5.8	11.5	12.6	7.8	6.3	12.1	13.1	8.1	6.4	13.7	14.4	8.0	6.4	13.0	14.0
Michigan .....	7.7	5.7	15.4	16.5	7.2	5.3	14.7	15.8	7.8	6.0	15.4	16.6	7.8	6.2	14.9	16.0
Wisconsin .....	5.0	4.7	7.4	8.7	5.1	4.5	9.3	10.5	5.7	5.2	9.4	11.3	5.6	5.2	9.4	11.6
<b>West North Central:</b>																
Minnesota .....	4.7	4.4	8.0	11.9	5.1	4.9	7.5	11.7	5.5	5.5	5.8	7.5	5.4	5.4	5.9	10.0
Iowa .....	5.4	5.3	8.2	10.4	5.5	5.5	6.7	8.8	5.6	5.5	8.0	10.2	5.9	5.8	7.9	6.6
Missouri .....	6.4	5.6	9.8	10.4	6.3	5.6	9.8	10.5	6.8	6.0	10.9	11.5	6.5	5.8	10.1	10.2
North Dakota .....	5.6	5.7	5.4	-	4.9	4.8	5.5	-	4.1	4.1	3.8	-	5.4	5.3	6.3	6.9
South Dakota .....	5.4	6.0	3.0	-	5.0	4.5	6.9	-	7.1	6.1	12.0	8.4	5.4	5.4	5.0	-
Nebraska .....	5.4	4.9	8.9	11.9	4.7	4.4	7.0	8.8	6.6	6.2	11.9	11.3	6.2	5.9	10.0	11.0
Kansas .....	4.9	4.2	10.1	11.3	5.6	5.1	9.3	11.6	5.1	4.6	7.3	9.2	6.0	5.8	7.2	9.2
<b>South Atlantic:</b>																
Delaware .....	8.8	6.4	16.3	17.0	8.3	6.8	12.7	13.6	8.8	7.4	13.0	13.3	10.6	8.6	17.0	17.5
Maryland .....	8.0	5.8	11.8	13.0	7.9	5.9	11.6	12.8	8.3	6.5	11.8	12.6	8.2	6.0	12.5	13.5
District of Columbia .....	17.6	12.6	18.5	20.1	14.4	7.1	15.9	17.2	16.1	10.3	17.3	18.4	15.9	8.0	17.8	18.2
Virginia .....	6.8	5.1	11.4	12.5	6.7	5.2	10.7	11.7	7.5	6.0	11.5	12.5	8.1	6.5	12.4	13.6
West Virginia .....	5.9	5.6	10.5	11.9	6.7	6.6	8.7	9.8	6.6	6.2	16.6	18.4	7.3	7.0	13.7	15.5
North Carolina .....	8.0	6.2	11.6	12.3	8.1	6.2	12.2	12.9	7.7	6.2	10.8	11.5	7.8	6.1	11.4	12.1
South Carolina .....	8.2	6.3	11.0	11.1	8.5	6.5	11.9	12.1	8.8	6.9	11.7	11.8	10.0	6.6	15.4	15.6
Georgia .....	8.3	5.8	12.4	12.6	8.4	7.1	10.8	11.2	8.5	6.5	12.1	12.4	8.6	6.6	12.3	12.7
Florida .....	6.9	5.7	10.4	11.0	6.7	5.1	11.3	11.8	7.3	5.9	11.1	11.6	7.4	6.0	11.4	11.8
<b>East South Central:</b>																
Kentucky .....	6.2	5.7	10.1	10.7	6.0	5.7	8.6	9.2	6.4	6.3	7.3	7.7	7.5	6.8	13.6	14.2
Tennessee .....	6.5	4.8	11.3	11.5	7.6	5.9	12.9	13.3	6.9	5.6	11.1	11.3	7.5	5.5	14.2	14.8
Alabama .....	8.0	6.2	11.3	11.4	8.1	6.1	11.9	12.2	9.1	6.9	13.2	13.4	8.3	7.0	10.8	11.0
Mississippi .....	7.6	5.4	9.8	9.9	8.8	6.0	11.9	12.2	7.7	6.1	9.6	9.7	8.4	5.5	11.7	11.9
<b>West South Central:</b>																
Arkansas .....	6.4	5.1	10.2	10.8	5.9	5.1	8.4	8.7	5.7	5.3	7.1	7.3	7.1	6.7	8.2	8.5
Louisiana .....	7.0	5.6	9.0	9.3	7.7	5.1	11.2	11.8	7.8	5.9	10.3	10.7	7.7	5.9	10.4	10.7
Oklahoma .....	5.2	5.5	4.4	6.3	5.6	5.5	6.1	9.1	6.2	6.0	6.7	10.2	6.8	6.8	6.9	12.1
Texas .....	5.6	5.1	7.6	8.7	5.7	5.2	8.4	9.5	6.0	5.4	9.0	9.9	6.2	5.7	8.5	9.5
<b>Mountain:</b>																
Montana .....	4.5	5.1	1.6	12.8	4.6	4.4	5.8	-	5.6	5.3	7.5	-	5.0	4.8	6.6	13.2
Idaho .....	3.7	3.6	6.3	12.5	6.2	6.2	7.5	-	6.7	6.6	9.1	26.3	6.3	6.5	2.9	-
Wyoming .....	4.3	4.2	6.1	8.4	6.1	6.2	4.5	-	5.8	6.1	-	-	6.4	6.4	5.7	9.9
Colorado .....	5.6	5.6	5.7	8.5	6.0	5.8	7.4	10.7	5.3	5.1	7.4	10.4	5.5	5.2	8.2	9.2
New Mexico .....	6.1	6.1	6.3	8.5	5.1	4.7	7.0	14.2	5.4	5.5	5.0	8.7	6.3	6.3	5.9	8.6
Arizona .....	5.9	5.7	6.6	14.0	6.0	5.7	7.6	11.1	5.5	5.4	5.8	9.2	5.9	5.9	6.2	9.7
Utah .....	3.7	3.9	1.9	-	4.2	4.3	3.0	6.0	5.1	5.1	4.3	-	5.4	5.5	4.1	3.3
Nevada .....	3.7	3.3	5.2	6.1	5.2	4.7	7.1	11.2	4.9	4.9	4.8	7.3	4.8	4.5	6.9	9.1
<b>Pacific:</b>																
Washington .....	4.6	4.5	5.4	7.5	5.2	5.1	6.1	8.6	5.4	5.3	6.4	8.7	6.2	6.3	6.2	8.0
Oregon .....	4.6	4.5	4.8	8.2	5.5	5.7	3.9	5.9	4.7	4.6	6.4	12.6	5.3	5.2	6.2	9.2
California .....	5.2	4.9	6.1	9.7	5.5	5.3	6.2	9.6	5.6	5.4	6.3	9.9	6.0	5.8	6.6	10.1
Alaska .....	5.1	4.4	6.3	9.3	5.5	4.5	7.5	6.8	6.2	6.0	6.9	3.1	5.1	5.0	5.0	10.3
Hawaii .....	5.2	6.0	5.3	6.7	5.4	4.1	5.9	10.0	6.3	5.3	6.6	4.7	5.8	5.8	5.9	14.5

1 Rate based on less than 20 neonatal deaths.

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Table 2-10. Infant and Neonatal Deaths and Mortality Rates for the 50 Largest Standard Metropolitan Statistical Areas in the United States and Their Component Counties: 1988

[Standard metropolitan statistical areas are those defined by the Office of Management and Budget for 1980 except for New England, where areas are New England County Metropolitan Areas. For further explanation of areas, see Technical Appendix. Rates are infant (under 1 year) and neonatal (under 28 days) deaths per 1,000 live births]

Area	Under 1 year		Under 28 days		Area	Under 1 year		Under 28 days	
	Number	Rate	Number	Rate		Number	Rate	Number	Rate
50 largest U.S. SMSA's	19,605	10.2	12,807	6.7					
Anaheim-Santa Ana-Garden Grove, Calif	291	6.9	197	4.7	Detroit, Mich	834	12.9	626	9.6
Orange	291	6.9	197	4.7	Lapeer	9	8.7	7	6.8
Atlanta, Ga	498	11.1	338	7.5	Livingston	11	7.3	10	6.7
Butts	2	8.5	1	4.2	Macomb	89	9.2	58	6.0
Cherokee	11	6.7	6	3.7	Oakland	154	9.8	121	7.7
Clayton	36	11.7	26	8.5	St. Clair	20	10.2	16	8.1
Cobb	63	8.8	45	6.3	Wayne	551	15.7	414	11.8
De Kalb	121	14.0	89	10.3	Fort Lauderdale-Hollywood, Fla	199	11.7	130	7.6
Douglas	6	5.1	2	1.7	Broward	199	11.7	130	7.6
Fayette	3	4.2	2	2.8	Greensboro-Winston-Salem-High Point, N.C	153	12.1	93	7.3
Forsyth	5	7.7	3	4.6	Davidson	14	8.5	11	6.7
Fulton	167	14.4	105	9.0	Forsyth	52	13.5	33	8.6
Gwinnett	47	7.7	34	5.6	Guilford	68	13.4	35	7.1
Henry	3	3.4	2	2.3	Randolph	15	10.2	10	6.8
Newton	9	11.6	5	6.4	Stokes	2	4.4	2	4.4
Paulding	10	14.5	8	11.6	Yadkin	4	11.7	2	5.8
Rockdale	6	7.5	5	6.3	Hartford-New Britain-Bristol, Conn	152	9.5	111	6.9
Walton	9	15.0	5	8.3	Hartford	126	10.2	81	7.4
Baltimore, Md	434	11.6	310	8.3	Middlesex	13	6.6	10	5.1
Anne Arundel	67	10.1	47	7.1	Tolland	13	7.3	10	5.6
Baltimore	69	7.2	48	5.0	Houston, Tex	612	9.7	411	6.5
Baltimore city	244	18.0	174	12.8	Brazoria	25	8.1	19	8.2
Carroll	15	8.1	11	5.9	Fort Bend	26	6.6	20	5.1
Harford	21	7.7	17	6.2	Harris	529	10.1	353	6.7
Howard	18	6.1	13	4.4	Liberty	7	9.2	3	4.0
Birmingham, Ala	172	13.0	135	10.2	Montgomery	23	8.2	14	5.0
Jefferson	141	14.0	114	11.3	Waller	2	6.6	2	6.5
St. Clair	10	14.1	4	5.6	Indianapolis, Ind	235	11.7	142	7.1
Shelby	10	6.3	8	5.0	Boone	4	7.3	3	5.5
Walker	11	12.6	9	10.3	Hamilton	16	10.6	11	7.3
Boston-Lowell-Brockton-Lawrence-Haverhill, Mass	425	7.6	299	5.3	Hancock	7	12.6	5	9.0
Essex	70	6.7	51	4.9	Hendricks	7	7.2	9	9.1
Middlesex	120	6.1	82	4.2	Johnson	12	9.8	5	4.1
Norfolk	51	6.3	32	4.0	Marion	178	12.6	110	7.8
Plymouth	37	5.5	28	4.2	Morgan	5	8.9	4	7.1
Suffolk	147	13.1	106	9.4	Shelby	6	10.6	1	1.8
Buffalo, N.Y	153	9.2	111	6.7	Kansas City, Mo.-Kans	228	9.7	144	6.1
Erie	138	10.2	101	7.4	Cass, Mo	11	11.9	6	6.5
Niagara	15	4.8	10	3.2	Clay, Mo	22	10.3	15	7.0
Chicago, Ill	1,498	11.8	974	7.7	Jackson, Mo	120	11.0	74	6.8
Cook	1,180	12.9	775	8.5	Platte, Mo	7	8.9	3	3.8
Du Page	104	8.1	69	5.4	Ray, Mo	1	3.4	-	-
Kane	61	10.5	37	6.4	Johnson, Kans	26	4.8	16	2.9
Lake	85	9.8	50	5.8	Wyandotte, Kans	41	13.5	30	9.8
McHenry	24	8.5	14	4.9	Los Angeles-Long Beach, Calif	1,617	9.2	967	5.6
Will	44	7.8	29	5.1	Los Angeles	1,617	9.2	967	5.6
Cincinnati, Ohio-Ky.-Ind	198	8.5	130	5.6	Louisville, Ky.-Ind	151	12.1	90	7.2
Clermont, Ohio	16	6.7	9	3.8	Bullitt, Ky	4	7.0	3	5.3
Hamilton, Ohio	115	8.1	82	5.7	Jefferson, Ky	121	12.8	72	7.6
Warren, Ohio	12	7.4	9	5.5	Oldham, Ky	6	15.9	2	5.3
Boone, Ky	6	7.0	2	2.3	Clark, Ind	15	12.7	8	6.8
Campbell, Ky	13	9.7	7	5.2	Floyd, Ind	5	5.8	5	5.8
Kenton, Ky	29	12.0	17	7.0	Memphis, Tenn.-Ark.-Miss	274	15.3	163	9.1
Dearborn, Ind	7	14.2	4	8.1	Shelby, Tenn	228	15.0	140	9.2
Cleveland, Ohio	329	11.9	230	8.3	Tipton, Tenn	12	17.8	7	10.4
Cuyahoga	278	12.7	190	8.7	Crittenden, Ark	22	22.6	12	12.3
Geauga	7	5.7	6	4.9	De Soto, Miss	12	11.7	4	3.9
Lake	30	10.1	25	8.5	Miami, Fla	343	10.9	227	7.2
Medina	14	8.3	9	5.3	Dade	343	10.9	227	7.2
Columbus, Ohio	219	11.4	139	7.3	Milwaukee, Wis	210	9.3	124	5.5
Delaware	4	4.4	2	2.2	Milwaukee	174	10.6	98	6.0
Fairfield	13	9.9	9	6.8	Ozaukee	7	7.4	5	5.3
Franklin	194	12.3	122	7.7	Washington	9	6.8	5	3.8
Madison	3	6.2	3	6.2	Waukesha	20	5.1	16	4.1
Pickaway	5	8.0	3	4.8	Minneapolis-St. Paul, Minn.-Wis	309	7.7	200	5.0
Dallas-Fort Worth, Tex	639	8.8	416	5.7	Anoka, Minn	24	6.0	13	3.2
Collin	34	8.1	20	4.8	Carver, Minn	4	4.8	3	3.6
Dallas	325	9.0	213	5.9	Chisago, Minn	3	6.5	2	4.3
Denton	35	7.3	22	4.6	Dakota, Minn	30	6.4	22	4.7
Ellis	9	6.4	7	4.9	Hennepin, Minn	136	8.2	94	5.7
Hood	2	5.3	1	2.6	Ramsey, Minn	73	8.8	39	4.7
Johnson	15	10.3	12	8.2	Scott, Minn	8	7.6	5	4.8
Kaufman	4	5.1	4	5.1	Washington, Minn	15	7.1	11	5.2
Parker	12	12.9	8	8.6	Wright, Minn	10	8.2	6	4.9
Rockwall	-	-	-	-	St. Croix, Wis	6	8.2	5	6.8
Tarrant	201	9.2	128	5.9	Nashville-Davidson, Tenn	147	9.6	95	6.2
Wise	2	4.3	1	2.1	Cheatham	4	10.1	2	5.1
Dayton, Ohio	116	9.2	63	5.0	Davidson	91	10.7	58	6.8
Greene	18	10.4	9	5.2	Dickson	4	8.0	2	4.0
Miami	11	8.6	5	3.9	Robertson	4	6.2	4	6.2
Montgomery	84	9.3	49	5.4	Rutherford	20	11.2	14	7.9
Preble	3	5.4	-	-	Sumner	10	7.1	7	5.0
Denver-Boulder, Colo	290	9.5	168	5.5	Williamson	8	7.6	5	4.7
Adams	49	8.7	26	5.2	Wilson	6	6.2	3	3.1
Arapahoe	59	9.4	38	6.1	Nassau-Suffolk, N.Y	309	8.4	237	6.4
Boulder	27	8.4	13	4.0	Nassau	149	8.7	115	6.7
Denver	90	10.7	56	6.7	Suffolk	160	8.0	122	6.1
Douglas	2	2.0	-	-					
Gilpin	-	-	-	-					
Jefferson	69	9.6	36	5.3					

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Table 2-10. Infant and Neonatal Deaths and Mortality Rates for the 50 Largest Standard Metropolitan Statistical Areas in the United States and Their Component Counties: 1988—Con.

[Standard metropolitan statistical areas are those defined by the Office of Management and Budget for 1980 except for New England, where areas are New England County Metropolitan Areas. For further explanation of areas, see Technical Appendix. Rates are infant (under 1 year) and neonatal (under 28 days) deaths per 1,000 live births]

Area	Under 1 year		Under 28 days		Area	Under 1 year		Under 28 days	
	Number	Rate	Number	Rate		Number	Rate	Number	Rate
New Orleans, La .....	239	11.8	160	7.9	Rochester, N.Y. ....	129	8.4	89	5.8
Jefferson .....	76	10.5	53	7.3	Livingston .....	5	6.3	5	6.3
Orleans .....	122	12.7	80	8.3	Monroe .....	99	8.8	68	6.0
St. Bernard .....	16	16.0	10	10.0	Ontario .....	9	6.9	9	6.9
St. Tammany .....	25	10.8	17	7.3	Orleans .....	3	5.1	1	1.7
New York, N.Y.-N.J. ....	1,909	12.3	1,310	8.4	Wayne .....	13	8.9	6	4.1
New York City, N.Y. ....	1,684	13.2	1,148	9.0	Sacramento, Calif. ....	221	10.1	108	4.9
Bronx .....	394	15.5	273	10.8	Placer .....	26	11.2	14	6.0
Kings .....	656	14.7	440	9.8	Sacramento .....	179	10.3	85	4.9
New York .....	293	13.6	196	9.1	Yolo .....	16	7.2	9	4.1
Queens .....	290	9.8	202	6.8	St. Louis, Mo.-Ill. ....	376	9.6	240	6.1
Richmond .....	51	8.3	37	6.0	Franklin, Mo. ....	4	3.0	3	2.3
Putnam, N.Y. ....	18	13.2	16	11.7	Jefferson, Mo. ....	23	8.2	13	4.6
Rockland, N.Y. ....	38	9.6	27	6.8	St. Charles, Mo. ....	33	9.0	19	5.2
Westchester, N.Y. ....	105	8.5	68	5.5	St. Louis, Mo. ....	97	6.8	68	4.7
Bergen, N.J. ....	64	6.4	51	5.1	St. Louis city, Mo. ....	117	14.6	76	9.5
Newark, N.J. ....	353	11.6	227	7.5	Clinton, Ill. ....	5	11.6	4	9.3
Essex .....	214	15.5	138	10.0	Madison, Ill. ....	38	10.2	22	5.9
Morris .....	38	6.7	28	4.9	Monroe, Ill. ....	4	13.2	4	13.2
Somerset .....	24	6.8	15	4.3	St. Clair, Ill. ....	55	12.0	33	7.2
Union .....	77	10.5	46	6.3	Salt Lake City-Ogden, Utah	190	8.5	80	3.6
Norfolk-Virginia Beach-Portsmouth, Va.-N.C.	267	14.6	185	10.1	Davis .....	33	8.4	16	4.1
Chesapeake city, Va. ....	36	13.7	21	8.0	Salt Lake .....	125	8.5	50	3.4
Norfolk city, Va. ....	86	15.5	61	11.0	Tooele .....	2	4.3	-	-
Portsmouth city, Va. ....	31	15.5	20	10.0	Weber .....	30	9.7	14	4.5
Suffolk city, Va. ....	16	19.3	12	14.5	San Antonio, Tex. ....	214	9.0	115	4.8
Virginia Beach city, Va. ....	96	13.5	69	9.7	Bexar .....	203	9.2	107	4.9
Currituck, N.C. ....	2	10.0	2	10.0	Cornal .....	4	5.0	1	1.3
Oklahoma City, Okla. ....	139	9.6	90	6.2	Guadalupe .....	7	7.1	7	7.1
Canadian .....	5	4.6	4	3.7	San Diego, Calif. ....	315	7.1	194	4.4
Cleveland .....	20	9.0	12	5.4	San Diego .....	315	7.1	194	4.4
McClain .....	2	6.6	-	-	San Francisco-Oakland, Calif.	451	8.0	251	4.4
Oklahoma .....	106	10.4	71	7.0	Alameda .....	208	9.5	123	5.6
Pottawatomie .....	6	7.5	3	3.8	Contra Costa .....	89	7.4	36	3.0
Philadelphia, Pa.-N.J. ....	944	12.1	645	8.3	Marin .....	13	4.6	9	3.2
Bucks, Pa. ....	65	8.3	42	5.4	San Francisco .....	84	8.4	50	5.0
Chester, Pa. ....	29	5.2	18	3.2	San Mateo .....	57	5.8	33	3.4
Delaware, Pa. ....	81	9.9	54	6.6	San Jose, Calif. ....	186	7.1	112	4.3
Montgomery, Pa. ....	70	7.2	52	5.4	Santa Clara .....	186	7.1	112	4.3
Philadelphia, Pa. ....	506	17.5	334	11.5	Seattle-Everett, Wash. ....	252	8.8	128	4.5
Burlington, N.J. ....	52	8.9	39	6.7	King .....	191	9.0	96	4.5
Camden, N.J. ....	99	11.6	73	8.6	Snohomish .....	61	8.3	32	4.3
Gloucester, N.J. ....	42	12.3	33	9.6	Tampa-St. Petersburg, Fla.	285	10.8	182	6.9
Phoenix, Ariz. ....	383	10.0	246	6.5	Hillsborough .....	160	11.8	97	7.1
Marcopa .....	383	10.0	246	6.5	Pasco .....	26	8.9	14	4.8
Pittsburgh, Pa. ....	225	8.5	165	6.3	Pinellas .....	99	10.1	71	7.3
Allegheny .....	170	9.8	125	7.2	Washington, D.C.-Md.-Va.	721	12.0	516	6.6
Beaver .....	17	7.4	15	6.5	District of Columbia .....	245	23.2	185	17.6
Washington .....	18	7.6	10	4.2	Charles, Md. ....	14	9.2	8	5.2
Westmoreland .....	20	4.6	15	3.4	Montgomery, Md. ....	120	9.7	91	7.4
Portland, Oreg.-Wash. ....	189	9.2	101	4.9	Prince Georges, Md. ....	167	13.1	117	9.2
Clackamas, Oreg. ....	28	7.3	9	2.5	Alexandria city, Va. ....	22	10.6	16	7.7
Multnomah, Oreg. ....	90	10.1	57	6.4	Arlington, Va. ....	15	5.9	10	3.9
Washington, Oreg. ....	32	7.1	18	4.0	Fairfax, Va. ....	81	7.0	55	4.7
Clark, Wash. ....	41	11.9	17	4.9	Fairfax city, Va. ....	4	8.1	3	6.0
Providence-Warwick-Pawtucket, R.I.	108	8.3	82	6.3	Falls Church city, Va. ....	-	-	-	-
Bristol .....	3	4.7	2	3.1	Loudoun, Va. ....	14	9.4	8	5.4
Kent .....	9	4.4	6	3.0	Manassas city, Va. ....	8	15.6	6	11.7
Providence .....	88	9.9	67	7.5	Manassas Park city, Va. ....	-	-	-	-
Washington .....	8	5.4	7	4.8	Prince William, Va. ....	31	7.9	17	4.4
Riverside-San Bernardino-Ontario, Calif.	474	9.9	291	6.1					
Riverside .....	182	9.2	112	5.6					
San Bernardino .....	292	10.4	179	6.4					



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Table 2-11. Deaths Under 1 Year, by Age, Race, and Sex: United States and Each State, 1988

Area, race, and sex	Total, under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
United States	38,910	4,088	10,163	2,465	1,498	837	594	459	387	20,471	2,029	1,247	943	24,690
Male	22,007	2,244	5,731	1,410	888	499	338	250	225	11,535	1,164	709	503	13,911
Female	16,903	1,824	4,432	1,055	660	338	256	209	162	8,936	865	538	440	10,779
White	25,925	2,696	6,344	1,660	1,048	609	431	349	271	13,408	1,456	865	617	16,346
Male	14,878	1,499	3,617	955	596	358	256	194	152	7,627	849	484	336	9,286
Female	11,047	1,197	2,727	705	452	251	175	155	119	5,781	607	381	281	7,050
All other	12,985	1,372	3,819	805	450	228	163	110	116	7,063	573	382	326	8,344
Male	7,129	745	2,114	455	242	141	82	56	73	3,908	315	225	167	4,616
Female	5,856	627	1,705	350	208	87	81	54	43	3,155	258	157	159	3,729
Black	11,840	1,269	3,588	743	414	199	142	101	112	6,568	512	340	275	7,895
Male	6,503	695	1,989	423	224	122	71	52	69	3,645	280	201	137	4,283
Female	5,337	574	1,599	320	190	77	71	49	43	2,923	232	139	138	3,432
Alabama	736	77	190	48	32	16	11	14	7	395	47	28	18	488
Male	391	34	110	27	16	9	7	8	4	215	21	15	11	282
Female	345	43	80	21	16	7	4	6	3	180	26	13	7	226
White	366	41	91	23	19	10	5	8	3	200	24	8	12	244
Male	197	18	61	14	8	4	4	5	1	115	10	5	8	138
Female	169	23	30	9	11	6	1	3	2	85	14	3	4	106
All other	370	36	99	25	13	6	6	6	4	195	23	20	6	244
Male	194	16	49	13	8	5	3	3	3	100	11	10	3	124
Female	176	20	50	12	5	1	3	3	1	95	12	10	3	120
Black	361	35	99	25	13	6	5	5	4	192	22	19	6	239
Male	191	15	49	13	8	5	2	3	3	98	11	10	3	122
Female	170	20	50	12	5	1	3	2	1	94	11	9	3	117
Alaska	130	11	21	7	1	1	1	1	-	43	4	5	5	57
Male	71	7	11	5	-	-	1	-	-	24	2	4	3	33
Female	59	4	10	2	1	1	-	1	-	19	2	1	2	24
White	71	7	9	4	1	1	1	1	-	24	3	3	2	32
Male	41	4	6	3	-	-	1	-	-	14	2	3	1	20
Female	30	3	3	1	1	1	-	1	-	10	1	-	1	12
All other	59	4	12	3	-	-	-	-	-	18	1	2	3	25
Male	30	3	5	2	-	-	-	-	-	10	-	2	2	13
Female	29	1	7	1	-	-	-	-	-	9	1	1	1	12
Black	13	1	4	1	-	-	-	-	-	6	-	-	-	6
Male	5	1	1	1	-	-	-	-	-	3	-	-	-	3
Female	8	-	3	-	-	-	-	-	-	3	-	-	-	3
Arizona	637	64	154	25	22	17	16	10	5	313	42	18	13	386
Male	355	33	80	10	12	12	9	5	3	164	25	11	3	203
Female	282	31	74	15	10	5	7	5	2	149	17	7	10	183
White	516	50	121	22	17	14	14	8	4	250	36	17	10	314
Male	291	25	66	10	9	9	8	4	3	134	21	10	11	168
Female	225	25	55	12	8	5	6	4	1	116	15	7	3	146
All other	121	14	33	3	5	3	2	2	1	63	6	1	2	72
Male	64	8	14	-	3	3	1	1	-	30	4	1	-	37
Female	57	6	19	3	2	-	1	1	-	33	2	-	2	35
Black	55	8	22	2	2	1	1	1	1	38	3	1	1	43
Male	30	5	10	-	1	1	1	-	1	18	2	-	-	21
Female	25	3	12	2	1	-	-	1	-	20	1	-	-	22
Arkansas	374	33	76	20	22	4	4	7	5	171	21	21	11	224
Male	218	12	47	9	16	3	3	6	3	99	13	15	5	132
Female	156	21	29	11	6	1	1	1	2	72	8	6	6	92
White	229	20	51	8	13	2	1	5	5	105	15	11	3	134
Male	136	9	31	4	10	2	1	4	3	64	9	5	2	80
Female	93	11	20	4	3	-	-	1	2	41	6	6	1	54
All other	145	13	25	12	9	2	3	2	2	66	6	10	8	90
Male	82	3	16	5	6	1	2	2	-	35	4	10	3	52
Female	63	10	9	7	3	1	1	-	-	31	2	-	5	38
Black	145	13	25	12	9	2	3	2	2	66	6	10	8	90
Male	82	3	16	5	6	1	2	2	-	35	4	10	3	52
Female	63	10	9	7	3	1	1	-	-	31	2	-	5	38
California	4,573	428	847	457	183	107	63	68	64	2,217	244	153	138	2,747
Male	2,613	236	457	269	102	69	37	45	41	1,256	153	81	75	1,565
Female	1,960	192	390	188	81	38	26	23	23	961	91	72	58	1,182
White	3,386	318	607	342	145	83	52	57	49	1,653	182	106	86	2,027
Male	1,952	174	324	205	82	54	31	37	31	938	116	58	48	1,160
Female	1,434	144	283	137	63	29	21	20	18	715	66	48	38	867
All other	1,187	110	240	115	38	24	11	11	15	564	62	47	47	720
Male	661	62	133	64	20	15	6	8	10	318	37	23	27	405
Female	526	48	107	51	18	9	5	3	5	246	25	24	20	315
Black	854	77	186	81	25	13	6	7	13	408	49	33	29	519
Male	474	45	103	49	14	8	3	6	8	236	28	17	17	296
Female	380	32	83	32	11	5	3	1	5	172	23	16	12	223
Colorado	510	67	95	21	26	7	14	5	6	241	28	17	14	300
Male	304	35	63	16	18	5	9	2	1	149	19	10	9	187
Female	206	32	32	5	8	2	5	3	5	92	9	7	5	113
White	466	57	86	20	26	7	11	5	5	217	28	15	11	271
Male	282	29	57	15	18	5	8	2	-	134	19	8	6	167
Female	184	28	29	5	8	2	3	3	-	83	9	7	5	104
All other	44	10	9	1	1	-	1	-	1	24	-	2	3	29
Male	22	6	6	1	-	-	-	-	-	15	-	2	3	20
Female	22	4	3	-	-	-	2	-	-	9	-	-	-	9
Black	38	9	1	1	-	-	3	-	-	23	-	2	2	27
Male	20	6	6	1	-	-	1	-	-	15	-	2	2	19
Female	18	3	3	-	-	-	2	-	-	8	-	-	-	8

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Table 2-11. Deaths Under 1 Year, by Age, Race, and Sex: United States and Each State, 1988—Con.

Area, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
United States	3,413	3,080	2,145	1,457	1,042	777	608	526	443	360	369
Male	1,911	1,768	1,267	852	601	452	380	287	237	205	186
Female	1,502	1,312	878	605	441	325	278	239	206	155	183
White	2,296	2,089	1,475	966	660	531	422	347	310	239	244
Male	1,305	1,207	908	601	390	313	233	195	170	138	122
Female	991	882	567	365	270	218	189	152	140	101	122
All other	1,117	991	670	491	382	246	186	179	133	121	125
Male	606	561	359	251	211	139	97	92	67	67	64
Female	511	430	311	240	171	107	89	87	66	54	61
Black	1,006	879	606	438	332	220	170	156	117	112	109
Male	545	493	327	217	186	120	90	81	62	62	57
Female	461	386	279	221	146	100	80	75	55	50	52
Alabama	61	57	46	18	18	14	8	8	7	9	2
Male	37	27	26	9	6	4	5	5	3	3	2
Female	24	30	20	9	12	10	3	3	4	6	1
White	29	33	21	6	9	11	4	1	4	3	1
Male	17	14	11	3	3	3	2	1	3	1	1
Female	12	19	10	3	6	8	2	1	1	2	1
All other	32	24	25	12	9	3	4	7	3	6	1
Male	20	13	15	6	3	1	3	4	2	2	1
Female	12	11	10	6	6	2	1	3	1	4	1
Black	31	23	24	12	8	3	4	3	3	6	1
Male	19	13	15	6	3	1	3	2	2	2	1
Female	12	10	9	6	5	2	1	3	1	4	1
Alaska	23	16	10	4	2	5	3	4	3	3	1
Male	10	11	5	3	1	3	2	1	2	1	1
Female	13	5	5	1	1	2	1	3	1	2	1
White	16	9	4	1	2	3	1	2	1	1	1
Male	8	5	2	1	1	2	1	1	1	1	1
Female	8	4	2	1	1	1	1	1	1	1	1
All other	7	7	6	3	1	2	2	2	3	2	1
Male	2	6	3	2	1	1	1	1	2	1	1
Female	5	1	3	1	1	1	1	1	1	1	1
Black	2	1	2	1	1	1	1	1	1	1	1
Male	1	1	1	1	1	1	1	1	1	1	1
Female	1	1	1	1	1	1	1	1	1	1	1
Arizona	58	55	38	27	13	13	19	7	7	5	9
Male	38	39	19	17	7	10	10	3	2	3	4
Female	20	16	19	10	6	3	9	4	5	2	5
White	45	52	32	22	5	11	16	3	6	3	7
Male	29	38	17	12	3	9	8	3	2	1	4
Female	16	14	15	10	2	2	8	3	4	2	3
All other	13	3	6	5	8	2	3	4	1	2	2
Male	9	1	2	5	4	1	2	3	1	2	2
Female	4	2	4	1	4	1	1	1	1	1	1
Black	5	1	1	1	1	1	2	1	1	1	1
Male	3	1	1	1	1	1	2	1	1	1	1
Female	2	1	1	1	1	1	1	1	1	1	1
Arkansas	47	37	19	15	7	7	6	5	3	1	3
Male	29	23	10	8	2	5	3	3	2	1	1
Female	18	14	9	7	5	2	3	2	1	1	2
White	31	28	11	9	2	4	3	2	3	1	2
Male	20	15	6	5	1	3	2	2	2	1	1
Female	11	13	5	4	1	1	1	1	1	1	1
All other	16	9	8	4	5	3	3	3	1	1	1
Male	9	8	4	3	1	2	1	1	1	1	1
Female	7	1	4	3	4	1	2	2	1	1	1
Black	16	9	8	6	5	3	3	3	1	1	1
Male	9	8	4	3	1	2	1	1	1	1	1
Female	7	1	4	3	4	1	2	2	1	1	1
California	406	408	294	182	136	97	89	71	64	45	34
Male	236	235	169	112	75	52	54	42	31	22	20
Female	170	173	125	70	61	45	35	29	33	23	14
White	303	304	215	137	93	72	73	52	48	33	29
Male	179	179	130	85	64	39	44	32	26	13	17
Female	124	131	85	52	39	33	29	20	22	20	12
All other	103	104	79	45	43	25	16	19	16	12	5
Male	57	62	39	27	21	13	10	10	5	9	3
Female	46	42	40	18	22	12	6	9	11	3	2
Black	74	68	62	30	31	21	11	13	10	11	4
Male	42	39	30	19	11	9	7	6	4	9	2
Female	32	29	32	11	20	12	4	7	6	2	2
Colorado	55	38	37	20	16	7	9	5	10	8	5
Male	24	21	30	12	7	4	5	2	5	5	2
Female	31	17	7	8	9	3	4	3	5	3	3
White	52	34	36	18	13	7	8	5	9	8	5
Male	23	21	29	12	7	4	5	2	5	5	2
Female	29	13	7	6	6	3	3	3	4	3	3
All other	3	4	1	2	3	1	1	1	1	1	1
Male	1	1	1	1	1	1	1	1	1	1	1
Female	2	4	1	2	3	1	1	1	1	1	1
Black	1	4	1	2	2	1	1	1	1	1	1
Male	1	1	1	1	1	1	1	1	1	1	1
Female	1	4	1	2	2	1	1	1	1	1	1



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Table 2-11. Deaths Under 1 Year, by Age, Race, and Sex: United States and Each State, 1988—Con.

Area, race, and sex	29-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
Connecticut	28	23	17	13	6	11	8	5	7	6	3
Male	14	14	9	8	5	8	5	4	4	4	2
Female	14	9	8	5	1	3	3	1	3	2	1
White	22	17	14	9	4	5	8	5	7	4	-
Male	13	10	8	6	3	3	5	4	4	2	-
Female	9	7	6	3	1	2	3	1	3	2	-
All other	6	6	3	4	2	6	-	-	-	2	3
Male	1	4	1	2	-	5	-	-	-	2	2
Female	5	2	2	2	-	1	-	-	-	-	1
Black	6	6	3	4	2	6	-	-	-	2	2
Male	1	4	1	2	2	5	-	-	-	2	1
Female	5	2	2	2	-	1	-	-	-	-	1
Delaware	10	3	5	4	4	-	2	1	2	-	-
Male	5	2	4	1	1	-	1	1	1	-	-
Female	5	1	1	3	3	-	-	-	-	-	-
White	6	3	4	2	3	-	1	-	2	-	-
Male	4	2	4	-	1	-	-	-	1	-	-
Female	2	1	-	2	2	-	1	-	-	-	-
All other	4	-	1	2	1	-	1	1	-	-	-
Male	1	-	-	1	-	-	1	1	-	-	-
Female	3	-	1	1	1	-	-	-	-	-	-
Black	4	-	1	2	1	-	1	1	-	-	-
Male	1	-	-	1	-	-	1	1	-	-	-
Female	3	-	1	1	1	-	-	-	-	-	-
District of Columbia	11	11	5	9	5	7	4	1	4	1	2
Male	5	5	2	7	3	3	-	1	2	-	2
Female	6	6	3	2	2	4	4	1	2	1	-
White	3	2	1	1	1	1	1	1	-	-	-
Male	2	1	-	1	1	1	-	1	-	-	-
Female	1	1	1	-	-	-	1	-	-	-	-
All other	8	9	4	8	3	6	3	-	4	1	2
Male	3	4	2	6	2	2	-	-	2	2	2
Female	5	5	2	2	1	4	3	-	2	1	-
Black	8	9	4	8	3	6	3	-	4	1	2
Male	3	4	2	6	2	2	3	-	2	2	2
Female	5	5	2	2	1	4	3	-	2	1	-
Florida	156	145	93	66	61	42	29	23	28	21	12
Male	84	85	55	35	36	25	17	10	16	11	6
Female	72	60	38	31	25	17	12	13	12	10	6
White	94	82	54	34	29	24	16	14	18	11	9
Male	50	59	35	17	18	14	9	8	10	6	3
Female	44	29	19	17	11	10	9	6	8	5	6
All other	62	63	39	32	32	18	11	9	10	10	3
Male	34	32	20	18	18	11	8	2	6	5	3
Female	28	31	19	14	14	7	3	7	4	5	3
Black	62	63	39	31	31	18	10	9	10	10	3
Male	34	32	20	18	17	11	8	2	6	5	3
Female	28	31	19	13	14	7	2	7	4	5	-
Georgia	123	104	68	47	25	23	14	18	11	11	8
Male	60	59	43	32	13	14	9	11	5	10	3
Female	63	45	25	15	12	9	5	7	6	1	5
White	56	48	36	21	14	14	8	9	6	4	5
Male	27	24	26	17	8	10	6	5	3	3	2
Female	29	24	10	4	6	4	2	4	3	1	3
All other	67	56	32	26	11	9	6	9	5	7	3
Male	33	35	17	15	5	4	3	6	2	7	1
Female	34	21	15	11	6	5	3	3	3	-	2
Black	67	56	31	26	11	9	6	9	5	7	3
Male	33	35	17	15	5	4	3	6	2	7	1
Female	34	21	14	11	6	5	3	3	3	-	2
Hawaii	5	11	5	4	3	3	1	3	-	1	2
Male	4	7	2	2	2	3	-	-	-	1	2
Female	1	4	3	2	1	-	1	3	-	-	-
White	2	2	1	1	-	1	-	1	-	1	1
Male	2	1	-	-	-	-	-	-	-	1	1
Female	-	1	1	1	-	-	-	1	-	-	-
All other	3	9	4	3	3	2	1	2	-	-	1
Male	2	6	2	2	2	2	-	-	-	-	1
Female	1	3	2	1	1	-	1	2	-	-	-
Black	-	-	1	-	-	-	-	1	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	1	-	-	-	-	1	-	-	-
Idaho	15	19	12	11	5	6	4	3	3	1	-
Male	4	11	8	9	4	3	2	1	1	1	-
Female	11	8	4	2	1	3	2	2	2	-	-
White	13	18	11	11	4	6	4	3	2	1	-
Male	3	11	7	9	3	3	2	1	1	1	-
Female	10	7	4	2	1	3	2	2	1	-	-
All other	2	1	1	-	1	-	-	-	1	-	-
Male	1	-	1	-	1	-	-	-	-	-	-
Female	1	1	-	-	-	-	-	-	1	-	-
Black	-	-	-	-	-	-	-	-	1	-	-
Male	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	1	-	-











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Table 2-11. Deaths Under 1 Year, by Age, Race, and Sex: United States and Each State, 1988—Con.

Area, race, and sex	Total, under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
Nebraska	215	32	37	10	12	5	4	5	2	107	12	4	5	128
Male	131	14	26	7	6	4	4	3	2	66	6	4	4	80
Female	84	18	11	3	6	1	—	2	—	41	6	—	1	48
White	177	24	32	10	8	5	4	5	2	90	6	4	4	107
Male	117	11	22	7	6	4	4	3	2	59	5	4	4	72
Female	60	13	10	3	2	1	—	2	—	31	4	—	—	35
All other	38	8	5	—	4	—	—	—	—	17	3	—	1	21
Male	14	3	4	—	—	—	—	—	—	7	1	—	—	8
Female	24	5	1	—	4	—	—	—	—	10	2	—	1	13
Black	32	7	4	—	3	—	—	—	—	14	2	—	1	17
Male	13	3	3	—	—	—	—	—	—	6	1	—	—	7
Female	19	4	1	—	3	—	—	—	—	8	1	—	1	10
Nevada	152	13	34	6	3	2	—	1	—	59	1	3	3	66
Male	87	8	20	5	1	—	—	1	—	35	1	3	1	40
Female	65	5	14	1	2	2	—	—	—	24	—	—	2	26
White	110	9	24	6	2	2	—	1	—	44	1	1	3	49
Male	62	5	15	5	1	—	—	1	—	27	1	1	1	30
Female	48	4	9	1	1	2	—	—	—	17	—	—	2	19
All other	42	4	10	—	1	—	—	—	—	15	—	2	—	17
Male	25	3	5	—	—	—	—	—	—	8	—	2	—	10
Female	17	1	5	—	1	—	—	—	—	7	—	—	—	7
Black	37	4	10	—	1	—	—	—	—	15	—	1	—	16
Male	22	3	5	—	—	—	—	—	—	8	—	1	—	9
Female	15	1	5	—	1	—	—	—	—	7	—	—	—	7
New Hampshire	144	8	45	5	9	2	—	3	1	73	10	1	6	90
Male	81	2	23	4	5	1	—	1	1	37	7	1	6	51
Female	63	6	22	1	4	1	—	2	—	36	3	—	—	39
White	141	8	43	5	9	2	—	3	1	71	10	1	5	87
Male	80	2	23	4	5	1	—	1	1	37	7	1	5	50
Female	61	6	20	1	4	1	—	2	—	34	3	—	—	37
All other	3	—	2	—	—	—	—	—	—	2	—	—	1	3
Male	1	—	—	—	—	—	—	—	—	—	—	—	—	1
Female	2	—	2	—	—	—	—	—	—	2	—	—	—	2
Black	2	—	2	—	—	—	—	—	—	2	—	—	—	2
Male	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Female	2	—	2	—	—	—	—	—	—	2	—	—	—	2
New Jersey	1,168	114	338	77	54	27	21	11	15	657	75	50	13	795
Male	656	67	192	39	34	17	15	6	8	378	44	25	9	456
Female	512	47	146	38	20	10	6	5	7	279	31	25	4	339
White	705	75	214	39	26	20	14	8	9	405	49	33	10	497
Male	402	44	122	20	16	12	10	5	5	234	30	17	7	288
Female	303	31	92	19	10	8	4	3	4	171	19	16	3	209
All other	463	39	124	38	28	7	7	3	6	252	26	17	3	298
Male	254	23	70	19	18	5	5	1	3	144	14	8	2	168
Female	209	16	54	19	10	2	2	2	3	108	12	9	1	130
Black	439	39	119	37	27	6	3	6	6	244	23	15	3	285
Male	243	23	66	18	18	5	5	1	2	139	14	7	2	162
Female	196	16	53	19	9	2	1	2	3	105	9	8	1	123
New Mexico	270	42	47	19	8	9	4	2	1	132	19	6	8	165
Male	166	22	28	10	6	6	3	1	1	79	12	4	5	100
Female	104	20	19	9	2	1	1	—	—	53	7	2	3	65
White	214	36	37	16	7	7	4	2	1	110	14	2	7	133
Male	133	20	22	9	6	6	3	1	1	68	8	—	5	81
Female	81	16	15	7	1	1	1	—	—	42	6	2	2	52
All other	56	6	10	3	1	2	—	—	—	22	5	4	1	32
Male	33	2	6	1	—	—	—	—	—	11	4	4	—	19
Female	23	4	4	2	1	—	—	—	—	11	1	—	1	13
Black	10	1	1	—	—	—	—	—	—	4	2	—	—	6
Male	6	—	—	—	—	—	—	—	—	2	1	—	—	3
Female	4	1	—	—	—	—	—	—	—	2	—	—	—	3
New York	3,017	344	882	221	132	70	52	31	24	1,756	149	108	70	2,081
Male	1,699	188	498	127	79	39	25	17	11	984	76	62	37	1,169
Female	1,318	156	384	94	53	31	27	14	13	772	73	44	33	922
White	1,813	208	532	131	79	38	40	17	14	1,059	97	72	36	1,264
Male	1,016	111	292	81	43	17	23	9	6	582	50	44	19	695
Female	797	97	240	50	36	21	17	8	8	477	47	28	17	569
All other	1,204	136	350	90	53	32	12	14	10	697	52	34	34	817
Male	683	77	208	46	36	22	10	6	5	402	26	18	18	464
Female	521	59	144	44	17	10	10	8	5	295	26	16	16	353
Black	1,150	135	329	88	49	29	12	14	10	666	49	32	29	776
Male	650	76	194	44	33	21	2	8	5	383	24	16	16	441
Female	500	59	135	44	16	8	10	6	5	283	25	14	13	335
North Carolina	1,215	161	354	45	41	20	26	5	11	663	63	32	28	776
Male	669	96	192	32	18	10	18	2	6	374	27	20	13	434
Female	546	65	162	13	23	10	8	3	5	289	26	12	15	342
White	631	82	160	26	28	16	16	3	7	337	32	25	15	409
Male	337	49	82	19	12	7	9	2	3	183	17	15	5	220
Female	294	33	78	7	16	9	7	—	—	154	15	10	10	189
All other	584	79	194	19	13	4	10	3	4	326	21	7	13	367
Male	332	47	110	13	6	3	9	3	3	191	10	5	8	214
Female	252	32	84	6	7	1	1	—	—	135	11	2	5	153
Black	563	76	185	18	13	6	10	3	1	316	20	7	12	355
Male	315	47	104	12	6	3	9	1	—	184	9	5	7	205
Female	248	32	81	6	7	3	1	—	—	132	11	2	5	150

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Table 2-11. Deaths Under 1 Year, by Age, Race, and Sex: United States and Each State, 1988—Con.

Area, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
Nebraska	19	16	13	9	11	2	4	6	2	2	3
Male	10	8	9	7	5	2	3	4	1	1	2
Female	9	8	4	2	6	7	1	2	1	1	1
White	16	14	12	7	7	1	4	5	1	1	2
Male	9	8	8	5	5	1	3	3	1	1	1
Female	7	6	4	2	2	1	1	2	1	1	1
All other	3	2	1	2	4	1	1	1	1	1	1
Male	1	1	1	2	1	1	1	1	1	1	1
Female	2	2	1	2	3	1	1	1	1	1	1
Black	3	2	1	2	3	1	1	1	1	1	1
Male	1	2	1	2	3	1	1	1	1	1	1
Female	2	2	1	2	3	1	1	1	1	1	1
Nevada	20	20	15	6	8	1	1	4	4	6	1
Male	11	8	9	4	5	1	1	2	2	3	1
Female	9	12	6	2	3	1	1	2	2	3	1
White	10	15	10	6	5	1	1	3	4	5	1
Male	5	9	4	4	2	1	1	2	2	3	1
Female	5	6	6	2	3	1	1	1	2	2	1
All other	10	5	5	1	3	1	1	1	1	1	1
Male	6	3	3	1	3	1	1	1	1	1	1
Female	4	2	2	1	1	1	1	1	1	1	1
Black	7	4	4	1	3	1	1	1	1	1	1
Male	4	4	3	1	3	1	1	1	1	1	1
Female	3	2	2	1	1	1	1	1	1	1	1
New Hampshire	18	11	6	4	3	2	4	2	1	1	2
Male	10	6	4	1	2	2	2	1	1	1	1
Female	8	5	2	3	1	2	2	1	1	1	1
White	18	11	6	4	3	2	4	2	1	1	2
Male	10	6	4	1	2	2	2	1	1	1	1
Female	8	5	2	3	1	1	2	1	1	1	1
All other	1	1	1	1	1	1	1	1	1	1	1
Male	1	1	1	1	1	1	1	1	1	1	1
Female	1	1	1	1	1	1	1	1	1	1	1
Black	1	1	1	1	1	1	1	1	1	1	1
Male	1	1	1	1	1	1	1	1	1	1	1
Female	1	1	1	1	1	1	1	1	1	1	1
New Jersey	88	71	52	32	28	30	10	18	18	14	12
Male	41	42	25	18	16	19	3	10	11	9	6
Female	47	29	27	14	12	11	7	8	7	5	6
White	53	35	27	19	16	16	6	11	8	8	9
Male	28	22	12	11	7	13	2	7	4	4	4
Female	25	13	15	8	9	3	4	4	4	4	5
All other	35	36	25	13	12	14	4	7	10	6	3
Male	13	20	13	7	9	6	4	4	7	5	2
Female	22	16	12	6	3	8	3	3	3	1	1
Black	33	34	23	12	12	15	4	7	9	6	2
Male	12	20	12	6	9	5	1	3	7	5	1
Female	21	14	11	6	3	7	3	4	2	1	1
New Mexico	16	28	17	11	7	6	5	6	5	2	2
Male	8	17	11	10	3	4	3	4	3	2	1
Female	8	11	6	1	4	2	2	2	2	1	1
White	12	22	15	9	4	4	4	4	4	1	2
Male	6	12	10	8	3	4	1	3	3	1	1
Female	6	10	5	1	1	1	1	1	1	1	1
All other	4	6	2	2	3	2	1	2	1	1	1
Male	2	5	2	2	1	1	1	1	1	1	1
Female	2	1	1	1	2	1	1	1	1	1	1
Black	1	1	1	1	1	1	1	1	1	1	1
Male	1	1	1	1	1	1	1	1	1	1	1
Female	1	1	1	1	1	1	1	1	1	1	1
New York	239	196	138	99	65	51	32	41	23	23	29
Male	139	108	72	54	40	31	22	28	17	11	18
Female	100	88	66	45	25	20	10	13	6	12	11
White	155	106	77	56	32	33	14	26	14	16	20
Male	87	58	42	38	22	19	10	20	11	7	12
Female	68	48	35	23	10	14	4	6	3	9	8
All other	84	90	61	43	33	18	18	15	9	7	9
Male	52	50	30	21	18	12	12	8	6	4	6
Female	32	40	31	22	15	6	6	7	3	3	3
Black	83	87	57	42	30	18	17	15	9	7	9
Male	51	48	26	20	17	12	11	8	6	4	6
Female	32	39	31	22	13	6	6	7	3	3	3
North Carolina	100	86	55	58	41	20	24	17	10	11	17
Male	49	52	34	33	26	11	10	6	4	3	7
Female	51	34	21	25	15	9	14	11	6	8	10
White	49	44	34	24	18	11	16	5	8	6	7
Male	23	25	20	18	12	6	5	1	2	2	3
Female	26	19	14	6	6	5	11	4	6	4	4
All other	51	42	21	34	23	9	8	12	2	5	10
Male	26	27	14	15	14	5	5	5	2	1	4
Female	25	15	7	19	9	4	3	7	2	4	6
Black	47	42	21	33	22	7	8	11	2	5	10
Male	23	27	14	14	13	3	5	4	2	1	4
Female	24	15	7	19	9	4	3	7	2	4	6

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Table 2-11. Deaths Under 1 Year, by Age, Race, and Sex: United States and Each State, 1988—Con.

Area, race, and sex	Total, under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
North Dakota	106	9	14	7	5	2	2	1	1	41	11	2	3	57
Male	72	4	7	5	3	2	1	-	1	23	6	2	3	34
Female	34	5	7	2	2	-	1	1	1	18	5	-	-	23
White	90	8	14	7	3	2	1	1	1	37	10	2	2	51
Male	64	4	7	5	2	2	1	1	1	22	6	2	2	32
Female	26	4	7	2	1	-	-	1	1	15	4	-	-	19
All other	16	1	-	-	2	-	1	-	-	4	1	-	1	6
Male	8	-	-	-	1	-	-	-	-	1	-	-	1	2
Female	8	1	-	-	1	-	1	-	-	3	1	-	-	4
Black	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio	1,565	184	383	83	59	31	17	27	15	800	86	51	50	987
Male	905	98	225	45	31	20	10	16	10	455	52	34	25	566
Female	660	86	158	38	28	11	7	11	6	345	34	17	25	421
White	1,150	129	283	65	43	25	11	24	12	592	63	42	40	737
Male	670	69	163	33	22	15	6	15	6	329	39	27	21	416
Female	480	60	120	32	21	10	5	9	6	263	24	15	19	321
All other	415	55	100	18	16	6	6	3	4	208	23	9	10	250
Male	235	29	62	12	9	5	4	1	4	126	13	7	4	150
Female	180	26	38	6	7	1	2	2	4	82	10	2	6	100
Black	406	53	98	18	16	5	6	3	4	203	23	9	9	244
Male	227	27	60	12	9	4	4	1	4	121	13	7	3	144
Female	179	26	38	6	7	1	2	2	4	82	10	2	6	100
Oklahoma	429	43	83	26	23	8	8	8	5	204	23	14	6	247
Male	258	22	51	11	14	5	7	3	4	117	13	6	5	141
Female	171	21	32	15	9	3	1	5	1	87	10	8	1	106
White	332	33	64	22	21	8	7	4	4	163	17	12	4	196
Male	201	18	41	9	12	5	6	2	3	96	10	5	4	115
Female	131	15	23	13	9	3	1	2	1	67	7	7	-	81
All other	97	10	19	4	2	-	1	4	1	41	6	2	2	51
Male	57	4	10	2	2	-	1	1	1	21	3	1	1	26
Female	40	6	9	2	-	-	-	3	-	20	3	1	1	25
Black	66	8	12	3	2	-	1	3	-	29	2	1	1	33
Male	43	3	6	2	2	-	1	1	-	15	2	1	1	19
Female	23	5	6	1	-	-	-	2	-	14	-	-	-	14
Oregon	343	40	53	17	13	8	4	6	5	146	16	13	8	183
Male	191	16	32	11	3	4	2	3	2	73	10	8	4	95
Female	152	24	21	6	10	4	2	3	3	73	6	5	4	88
White	314	35	45	17	10	8	4	6	5	132	15	12	8	167
Male	177	14	28	11	4	4	2	3	2	67	9	7	4	87
Female	137	21	18	6	3	4	2	3	3	65	6	5	4	80
All other	29	5	7	-	2	-	-	-	-	14	1	1	-	16
Male	14	2	4	-	-	-	-	-	-	6	1	1	-	8
Female	15	3	3	-	2	-	-	-	-	8	-	-	-	8
Black	16	4	2	-	2	-	-	-	-	8	1	-	-	9
Male	6	1	2	-	-	-	-	-	-	3	1	-	-	4
Female	10	3	-	-	2	-	-	-	-	5	-	-	-	5
Pennsylvania	1,643	185	502	102	60	40	25	12	13	939	95	48	30	1,112
Male	905	88	270	56	29	22	14	8	7	503	52	27	15	597
Female	738	97	232	46	31	18	11	4	6	436	43	21	15	515
White	1,116	135	327	73	44	24	18	10	7	643	73	33	16	765
Male	640	83	187	37	24	12	12	7	6	348	44	18	11	421
Female	476	72	140	36	20	12	7	3	6	295	29	15	5	344
All other	527	50	175	29	16	16	7	2	1	296	22	15	14	347
Male	265	25	92	19	5	10	2	1	1	155	8	9	4	176
Female	262	25	83	10	11	6	5	1	1	141	14	6	10	171
Black	513	49	174	29	15	16	7	2	1	293	19	15	13	340
Male	258	24	92	19	4	10	2	1	1	153	7	9	4	173
Female	255	25	82	10	11	6	5	1	1	140	12	6	9	167
Rhode Island	116	14	36	11	6	2	2	-	1	72	10	4	1	87
Male	69	4	22	5	5	1	1	-	1	39	6	2	-	47
Female	47	10	14	6	1	1	-	-	-	33	4	2	1	40
White	94	11	26	11	5	2	1	-	1	57	8	3	1	69
Male	56	4	14	5	4	1	1	-	1	30	6	2	1	37
Female	38	7	12	6	1	1	-	-	-	27	2	1	1	32
All other	22	3	10	-	-	-	-	-	-	15	2	2	-	18
Male	13	3	8	-	-	-	-	-	-	9	1	1	-	10
Female	9	3	2	-	-	-	-	-	-	6	1	-	-	8
Black	16	1	8	-	1	-	-	-	-	10	2	-	-	12
Male	10	-	4	-	1	-	-	-	-	7	-	-	-	7
Female	6	1	4	-	-	-	-	-	-	3	2	-	-	5
South Carolina	677	84	171	74	21	15	7	6	8	386	32	22	10	450
Male	382	45	102	49	12	6	4	3	7	228	17	14	5	264
Female	295	39	69	25	9	9	3	3	1	158	15	8	5	186
White	318	28	79	44	13	7	4	3	3	180	16	9	4	209
Male	191	16	53	27	7	4	2	2	3	115	9	5	1	130
Female	127	12	26	17	6	3	1	-	-	65	7	4	3	79
All other	359	56	92	30	6	9	5	2	5	206	16	13	6	241
Male	191	29	49	22	5	5	2	2	5	113	8	9	4	134
Female	168	27	43	8	3	4	3	2	2	93	8	4	2	107
Black	357	56	92	30	3	6	3	2	5	204	16	13	6	239
Male	189	29	49	22	7	7	5	2	2	111	8	9	4	132
Female	168	27	43	8	3	1	2	2	3	93	8	4	2	107

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Table 2-11. Deaths Under 1 Year, by Age, Race, and Sex: United States and Each State, 1988—Con.

Area, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
North Dakota	15	10	9	5	2	2	2	2	-	1	1
Male	12	6	8	4	2	2	2	1	-	1	-
Female	3	4	1	1	-	-	-	1	-	-	1
White	11	8	9	4	1	2	2	1	-	1	1
Male	9	6	8	3	1	2	2	-	-	1	1
Female	2	2	1	1	-	-	-	-	-	-	-
All other	4	2	-	1	1	-	-	2	-	-	-
Male	3	-	-	-	1	-	-	1	-	-	-
Female	1	2	-	-	-	-	-	1	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-
Ohio	137	127	82	68	45	36	28	17	15	8	15
Male	85	74	56	31	24	22	17	8	6	8	8
Female	52	53	26	37	21	14	11	9	9	-	7
White	96	100	60	39	27	21	14	10	12	7	7
Male	62	63	39	19	20	15	14	5	5	7	5
Female	34	37	21	20	7	6	7	5	7	3	2
All other	41	27	22	29	11	9	7	7	3	1	1
Male	23	11	17	12	4	7	4	4	2	3	1
Female	18	16	5	17	7	2	3	3	1	-	-
Black	41	27	22	28	11	9	7	7	3	1	-
Male	23	11	17	12	4	7	4	4	2	3	1
Female	18	16	5	16	7	2	3	3	1	-	-
Oklahoma	43	35	27	23	15	10	7	6	3	2	11
Male	24	27	19	13	11	5	5	4	1	-	8
Female	19	8	8	10	4	5	2	2	2	2	3
White	33	26	17	20	10	7	3	6	3	1	8
Male	18	19	14	11	9	3	4	4	2	1	6
Female	15	7	3	9	2	4	2	2	1	-	2
All other	10	9	10	3	5	3	2	2	2	1	3
Male	6	8	5	2	4	2	2	1	1	1	2
Female	4	1	5	1	1	1	2	1	1	-	1
Black	6	4	4	1	5	2	2	2	1	1	2
Male	4	7	7	1	4	1	2	2	1	1	2
Female	2	-	3	-	1	1	1	1	-	-	-
Oregon	38	33	25	28	10	7	5	2	5	3	4
Male	20	21	18	16	7	7	2	1	2	2	-
Female	18	12	7	12	3	-	3	1	3	1	4
White	34	30	24	25	10	7	5	2	3	3	4
Male	18	20	17	14	7	7	5	2	2	2	4
Female	16	10	7	11	3	-	3	1	1	1	4
All other	4	3	1	3	2	-	-	-	2	-	-
Male	2	1	1	2	1	-	-	-	2	-	-
Female	2	2	-	1	-	-	-	-	-	-	-
Black	2	2	-	1	-	-	-	-	-	-	-
Male	1	2	-	2	-	-	-	-	-	-	-
Female	1	2	-	1	-	-	-	-	-	-	-
Pennsylvania	104	117	92	54	44	37	19	18	13	18	15
Male	62	63	56	40	26	23	9	8	8	7	6
Female	42	54	36	14	18	14	10	10	5	11	9
White	68	74	65	33	27	28	12	11	12	10	10
Male	46	40	44	27	16	19	7	5	7	3	5
Female	22	34	21	6	11	10	5	6	5	7	5
All other	36	43	27	21	17	8	7	3	1	4	4
Male	16	23	12	13	19	4	2	4	1	4	4
Female	20	20	15	8	7	4	5	4	4	7	5
Black	34	43	27	21	15	8	5	7	1	3	4
Male	15	23	12	13	9	4	1	4	1	4	4
Female	19	20	15	8	6	4	4	3	-	-	-
Rhode Island	7	5	5	3	4	1	1	1	-	-	2
Male	7	3	2	2	4	1	1	-	-	-	2
Female	-	2	3	1	-	-	-	1	-	-	-
White	5	5	5	2	4	1	1	1	-	-	1
Male	5	3	2	2	4	1	1	-	-	-	1
Female	-	2	3	-	-	-	-	1	-	-	-
All other	2	-	-	1	-	-	-	-	-	-	1
Male	2	-	-	1	-	-	-	-	-	-	1
Female	-	-	-	-	-	-	-	-	-	-	-
Black	2	-	-	1	-	-	-	-	-	-	1
Male	2	-	-	1	-	-	-	-	-	-	1
Female	-	-	-	-	-	-	-	-	-	-	-
South Carolina	47	59	30	18	12	20	11	8	3	10	9
Male	22	35	15	11	8	8	7	5	3	4	5
Female	25	24	15	7	4	12	4	3	3	6	4
White	27	29	13	10	1	10	5	4	3	2	5
Male	13	18	6	10	-	4	4	4	2	2	2
Female	14	11	7	-	1	6	1	3	3	3	3
All other	20	30	17	8	11	6	6	4	3	8	4
Male	9	17	9	7	6	4	3	1	4	4	3
Female	11	13	8	1	5	2	3	3	4	4	1
Black	20	30	17	8	11	10	6	4	3	8	4
Male	9	17	9	7	6	4	3	3	4	4	3
Female	11	13	8	1	5	6	3	1	3	4	1

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Table 2-11. Deaths Under 1 Year, by Age, Race, and Sex: United States and Each State, 1988—Con.

Area, race, and sex	Total, under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
South Dakota	113	15	17	6	7	2	1	1	2	51	7	2	1	61
Male	70	8	10	2	4	2	1	1	1	29	4	1	1	35
Female	43	7	7	4	3	-	-	-	1	22	3	1	-	28
White	89	13	16	6	7	2	-	-	2	46	6	2	1	55
Male	56	8	10	2	4	2	-	-	1	27	3	1	1	32
Female	33	5	6	4	3	-	-	-	1	19	3	1	-	23
All other	24	2	1	-	-	-	1	1	-	5	1	-	-	8
Male	14	-	-	-	-	-	1	1	-	2	1	-	-	3
Female	10	2	1	-	-	-	-	-	-	3	-	-	-	3
Black	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tennessee	761	60	192	61	16	21	15	7	15	377	46	15	19	457
Male	426	31	115	36	10	14	6	2	11	225	26	11	11	273
Female	335	19	77	25	6	7	9	5	4	152	20	4	8	184
White	437	32	109	28	13	15	7	4	7	215	24	8	10	257
Male	245	23	62	16	8	9	3	1	6	128	12	7	6	153
Female	192	9	47	12	5	6	4	3	1	87	12	1	4	104
All other	324	18	83	33	3	6	8	3	8	162	22	7	9	200
Male	181	8	53	20	2	5	3	1	5	97	14	4	5	120
Female	143	10	30	13	1	1	5	2	3	65	8	3	4	80
Black	316	18	82	32	3	6	8	3	8	160	20	7	4	198
Male	174	8	52	19	2	5	3	1	5	95	12	4	5	116
Female	142	10	30	13	1	1	5	2	3	65	8	3	4	80
Texas	2,724	237	675	187	110	60	42	37	25	1,373	149	91	75	1,688
Male	1,533	130	385	108	64	37	26	19	12	781	89	49	32	951
Female	1,191	107	290	79	46	23	16	18	13	592	60	42	43	737
White	2,085	190	481	148	90	49	33	32	23	1,046	126	70	54	1,296
Male	1,207	104	282	89	53	29	21	17	11	606	77	37	23	743
Female	878	86	199	59	37	20	12	15	12	440	49	33	31	553
All other	639	47	194	39	20	11	9	5	2	327	23	21	21	392
Male	326	26	103	19	11	8	4	2	1	175	12	12	9	208
Female	313	21	91	20	9	3	5	3	1	152	11	9	12	184
Black	622	46	188	39	20	11	9	5	2	320	22	21	19	382
Male	321	25	101	19	11	8	5	2	1	172	12	12	8	204
Female	301	21	87	20	9	3	4	3	1	148	10	9	11	178
Utah	287	23	50	12	9	5	-	-	-	99	20	10	6	135
Male	165	14	30	7	6	3	-	-	-	59	9	5	4	77
Female	122	9	20	5	3	2	-	-	-	40	11	5	2	58
White	267	22	50	12	9	6	-	-	-	97	19	10	5	131
Male	155	13	30	7	6	4	-	-	-	58	8	5	3	74
Female	112	9	20	5	3	2	-	-	-	39	11	5	2	57
All other	20	1	-	-	-	-	-	-	-	2	1	-	1	4
Male	10	1	-	-	-	-	-	-	-	1	1	-	1	3
Female	10	-	-	-	-	-	-	-	-	1	-	-	-	1
Black	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	55	6	13	3	3	-	1	2	-	28	1	2	3	34
Male	34	5	11	1	2	-	1	-	-	20	1	2	1	24
Female	21	1	2	2	1	-	-	-	-	8	-	-	2	10
White	54	6	13	3	3	-	1	2	-	28	1	2	3	34
Male	33	5	11	1	2	-	1	-	-	20	1	2	1	24
Female	21	1	2	2	1	-	-	2	-	8	-	-	2	10
All other	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	967	104	273	56	37	19	13	17	5	524	49	39	24	636
Male	543	61	157	36	19	10	7	8	5	308	27	27	9	366
Female	424	43	116	20	18	9	6	9	5	216	22	12	15	270
White	548	59	141	26	25	11	6	10	3	281	27	25	9	342
Male	302	31	81	16	12	4	5	5	3	157	14	17	4	192
Female	246	28	60	10	13	7	1	5	-	124	13	8	5	150
All other	419	45	132	30	12	8	7	2	2	243	22	14	15	294
Male	241	30	76	20	7	6	2	3	2	146	13	10	5	174
Female	178	15	56	10	5	2	5	2	2	97	9	4	10	120
Black	406	42	128	29	12	8	6	7	2	234	21	14	14	283
Male	235	29	74	19	7	6	2	3	2	142	13	10	5	170
Female	171	13	54	10	5	2	4	4	-	92	8	4	9	113
Washington	654	69	117	29	14	12	11	9	3	284	29	24	16	333
Male	359	29	66	20	9	6	5	5	2	142	16	12	11	181
Female	295	40	51	9	5	6	6	4	1	122	13	12	5	152
White	545	54	96	27	13	11	9	7	2	219	25	20	15	279
Male	310	24	56	19	8	6	4	4	1	123	15	10	10	158
Female	235	30	40	8	4	5	5	3	1	96	10	10	5	121
All other	109	15	21	2	1	1	2	2	1	45	4	4	1	54
Male	49	5	10	1	-	-	1	1	1	19	1	2	1	23
Female	60	10	11	1	1	1	1	1	1	26	3	2	-	31
Black	58	7	13	1	-	-	-	2	1	24	2	1	-	27
Male	32	3	7	1	-	-	-	1	1	13	-	-	-	13
Female	26	4	6	-	-	-	-	1	-	11	2	1	-	14

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Table 2-11. Deaths Under 1 Year, by Age, Race, and Sex: United States and Each State, 1988—Con.

Area, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
South Dakota	13	16	8	3	4	2	1	1	1	2	1
Male	9	12	6	1	2	2	1	-	1	1	-
Female	4	4	2	2	2	-	-	-	-	1	1
White	8	7	7	3	3	2	1	-	1	2	-
Male	5	6	5	1	2	2	1	-	1	1	-
Female	3	1	2	2	1	-	-	-	-	1	-
All other	5	9	1	-	1	-	-	1	-	1	1
Male	4	1	1	-	-	-	-	-	-	-	-
Female	1	8	-	-	1	-	-	1	-	-	1
Black	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-
Tennessee	70	75	45	26	22	18	17	11	6	7	7
Male	41	35	21	14	11	12	5	3	3	4	4
Female	29	40	24	12	11	6	12	8	3	3	3
White	42	45	27	17	12	12	8	15	3	2	1
Male	23	23	14	11	7	7	4	3	2	1	-
Female	19	22	13	6	5	5	4	8	1	1	1
All other	28	30	18	9	10	6	9	8	3	5	6
Male	18	12	7	7	7	5	1	7	1	3	4
Female	10	18	11	2	3	1	8	-	2	2	2
Black	27	29	18	9	5	5	9	-	3	3	5
Male	17	12	7	3	7	4	1	-	1	1	3
Female	10	17	11	6	3	1	8	-	2	2	2
Texas	280	230	153	92	65	49	41	36	36	22	32
Male	157	134	82	54	40	26	21	19	29	11	9
Female	123	96	71	38	25	23	20	17	7	11	23
White	219	189	109	68	48	37	31	26	23	19	20
Male	129	112	61	46	28	21	18	14	19	11	5
Female	90	77	48	22	20	16	13	12	4	8	15
All other	61	41	44	24	17	12	10	10	13	3	12
Male	28	22	21	8	12	5	3	5	10	3	4
Female	33	19	23	16	5	7	7	5	3	3	8
Black	61	41	39	24	17	12	10	10	12	3	11
Male	28	22	21	8	12	5	3	5	9	3	4
Female	33	19	18	16	5	7	7	5	3	3	7
Utah	31	41	33	13	7	12	5	2	4	2	2
Male	16	21	19	8	5	10	4	-	2	2	1
Female	15	20	14	5	2	2	1	2	2	-	1
White	28	36	30	13	7	10	5	1	3	1	2
Male	15	18	18	8	5	9	4	2	1	1	1
Female	13	18	12	5	2	1	1	1	2	-	1
All other	3	5	3	-	-	2	-	1	1	1	-
Male	1	3	1	-	-	1	-	-	-	-	-
Female	2	2	2	-	-	1	-	1	1	1	-
Black	-	1	-	-	-	-	-	-	1	-	-
Male	-	1	-	-	-	-	-	-	1	-	-
Female	-	-	-	-	-	-	-	-	-	-	-
Vermont	1	7	3	3	3	1	-	2	1	-	-
Male	-	5	2	1	1	-	-	-	1	-	-
Female	1	2	1	2	2	1	-	2	-	-	-
White	1	6	3	3	3	1	-	2	1	-	-
Male	-	4	2	1	1	-	-	-	1	-	-
Female	1	2	1	2	2	1	-	2	-	-	-
All other	-	1	-	-	-	-	-	-	-	-	-
Male	-	1	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-
Virginia	76	60	41	44	22	11	14	19	18	9	9
Male	43	42	27	23	13	2	5	6	6	6	4
Female	33	26	14	21	9	9	9	13	12	3	5
White	44	44	25	29	8	8	12	12	13	6	5
Male	25	27	18	17	5	1	4	2	5	4	2
Female	19	17	7	12	3	7	8	10	8	2	3
All other	32	24	16	15	14	3	2	7	5	3	4
Male	18	15	9	6	8	1	1	4	1	2	2
Female	14	9	7	9	6	2	1	3	4	1	2
Black	32	23	16	14	14	3	2	7	6	3	4
Male	18	14	9	5	8	1	1	4	1	2	2
Female	14	9	7	9	6	2	1	3	4	1	2
Washington	60	76	64	37	24	16	11	11	7	7	8
Male	35	39	36	18	14	9	3	8	4	5	7
Female	25	37	28	19	10	7	8	3	3	2	1
White	47	65	50	28	22	15	11	9	7	5	7
Male	27	34	29	13	14	9	3	7	4	5	7
Female	20	31	21	15	8	6	8	2	3	-	-
All other	13	11	14	9	2	1	-	2	-	2	1
Male	8	5	7	5	-	-	-	1	-	-	-
Female	5	6	7	4	2	1	-	1	-	2	1
Black	8	5	10	4	-	-	-	2	-	2	-
Male	7	3	5	3	-	-	-	1	-	-	-
Female	1	2	5	1	-	-	-	1	-	2	-

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Table 2-11. Deaths Under 1 Year, by Age, Race, and Sex: United States and Each State, 1988—Con.

Area, race, and sex	Total, under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
West Virginia .....	187	25	56	6	10	3	2	3	2	107	13	5	3	128
Male .....	112	14	32	5	6	1	1	1	1	61	9	2	3	75
Female .....	85	11	24	1	4	2	1	2	1	46	4	3	—	63
White .....	177	24	47	6	10	3	2	3	2	97	12	5	3	117
Male .....	105	13	29	5	6	1	1	1	1	57	9	2	3	71
Female .....	72	11	18	1	4	2	1	2	1	40	3	3	—	48
All other .....	20	1	9	—	—	—	—	—	—	10	1	—	—	11
Male .....	7	1	3	—	—	—	—	—	—	4	—	—	—	4
Female .....	13	—	6	—	—	—	—	—	—	6	1	—	—	7
Black .....	20	1	9	—	—	—	—	—	—	10	1	—	—	11
Male .....	7	1	3	—	—	—	—	—	—	4	—	—	—	4
Female .....	13	—	6	—	—	—	—	—	—	6	1	—	—	7
Wisconsin .....	595	77	143	24	22	12	13	8	4	303	26	17	11	357
Male .....	345	47	91	12	13	5	8	6	4	186	11	8	9	208
Female .....	250	30	52	12	9	7	5	2	—	117	15	9	2	149
White .....	460	61	118	20	18	12	11	7	3	249	21	12	8	280
Male .....	269	36	76	9	10	5	7	6	4	150	10	4	6	166
Female .....	191	25	42	11	8	7	4	2	—	99	11	8	2	124
All other .....	135	16	25	4	4	—	2	2	1	54	5	5	3	67
Male .....	76	11	15	3	3	—	1	2	—	36	1	4	1	42
Female .....	59	5	10	1	1	—	1	—	—	18	4	1	—	25
Black .....	109	15	22	3	3	—	1	2	1	47	4	5	2	58
Male .....	68	11	15	3	3	—	—	2	—	35	1	4	1	40
Female .....	40	4	7	—	—	—	1	—	—	12	3	—	—	18
Wyoming .....	64	8	9	3	2	1	—	2	1	26	1	2	2	31
Male .....	35	1	5	3	1	—	—	1	1	12	—	1	2	15
Female .....	29	7	4	—	1	—	—	—	—	14	—	—	—	16
White .....	59	8	7	3	2	1	—	2	1	24	1	2	1	28
Male .....	32	1	5	3	1	—	—	1	—	12	—	—	—	14
Female .....	27	7	2	—	1	—	—	—	—	12	—	—	—	14
All other .....	5	—	2	—	—	—	—	—	—	2	—	—	—	3
Male .....	3	—	—	—	—	—	—	—	—	—	—	—	—	1
Female .....	2	—	2	—	—	—	—	—	—	2	—	—	—	2
Black .....	2	—	1	—	—	—	—	—	—	1	—	—	—	1
Male .....	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Female .....	1	—	1	—	—	—	—	—	—	1	—	—	—	1

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Table 2-11. Deaths Under 1 Year, by Age, Race, and Sex: United States and Each State, 1988—Con.

Area, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
West Virginia .....	15	12	10	8	8	6	4	3	1	1	1
Male .....	5	7	4	4	5	5	2	2	1	1	1
Female .....	10	5	6	4	3	1	2	1	—	—	—
White .....	13	12	7	7	7	5	4	2	1	1	1
Male .....	5	7	3	4	4	4	2	2	1	1	1
Female .....	8	5	4	3	3	1	2	—	—	—	—
All other .....	2	—	3	1	1	1	—	1	—	—	—
Male .....	—	—	1	—	1	—	—	—	—	—	—
Female .....	2	—	2	1	—	—	—	1	—	—	—
Black .....	2	—	3	1	1	1	—	1	—	—	—
Male .....	—	—	1	—	1	—	—	—	—	—	—
Female .....	2	—	2	1	—	—	—	1	—	—	—
Wisconsin .....	60	52	30	34	14	10	9	6	13	4	6
Male .....	33	30	24	21	10	3	3	4	3	3	3
Female .....	27	22	6	13	4	7	6	2	10	1	3
White .....	45	41	24	19	7	8	6	5	7	4	4
Male .....	24	24	20	14	4	3	2	4	2	3	3
Female .....	21	17	4	5	3	5	4	1	5	1	1
All other .....	15	11	6	15	7	2	3	1	6	—	2
Male .....	9	6	4	7	6	—	1	—	1	—	—
Female .....	6	5	2	8	1	2	2	1	5	—	2
Black .....	13	6	4	13	6	2	2	—	5	—	—
Male .....	8	3	3	7	6	—	1	—	1	—	—
Female .....	5	3	1	6	—	2	1	—	4	—	—
Wyoming .....	8	8	5	6	2	2	—	2	—	—	—
Male .....	6	5	3	4	1	1	—	—	—	—	—
Female .....	2	3	2	2	1	1	—	2	—	—	—
White .....	8	8	4	5	2	2	—	2	—	—	—
Male .....	6	5	2	3	1	1	—	—	—	—	—
Female .....	2	3	2	2	1	1	—	2	—	—	—
All other .....	—	—	1	1	—	—	—	—	—	—	—
Male .....	—	—	—	—	—	—	—	—	—	—	—
Female .....	—	—	1	1	—	—	—	—	—	—	—
Black .....	—	—	—	—	—	—	—	—	—	—	—
Male .....	—	—	1	—	—	—	—	—	—	—	—
Female .....	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup> Due to processing errors the number of deaths in the age groups 1-23 hours and 1 day are incorrect; see Technical Appendix.



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Table 2-12. Deaths Under 1 Year, by Month, Age, Race, and Sex: United States, 1988

Age, race, and sex	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>BOTH SEXES</b>													
Under 1 year	38,910	3,418	3,178	3,334	3,085	3,198	3,105	3,160	3,086	3,198	3,336	3,354	3,458
White	25,925	2,307	2,100	2,186	2,084	2,107	2,108	2,083	2,040	2,104	2,231	2,282	2,303
All other	12,985	1,111	1,078	1,138	1,001	1,091	997	1,077	1,046	1,094	1,105	1,092	1,155
Black	11,840	998	981	1,046	908	992	909	986	948	1,010	1,006	1,003	1,059
Under 28 days	24,690	1,914	1,825	2,037	1,999	2,136	2,110	2,198	2,157	2,146	2,078	2,050	2,050
White	16,346	1,285	1,220	1,316	1,326	1,401	1,442	1,451	1,419	1,426	1,379	1,359	1,322
All other	8,344	629	605	721	663	735	688	747	738	720	699	691	728
Black	7,695	577	558	669	608	676	609	695	677	675	638	641	674
Under 7 days	20,471	1,571	1,530	1,687	1,700	1,812	1,760	1,839	1,740	1,769	1,722	1,685	1,678
White	13,408	1,039	999	1,071	1,119	1,172	1,200	1,210	1,137	1,154	1,130	1,092	1,085
All other	7,063	532	531	616	581	640	560	629	603	615	582	573	591
Black	6,568	490	494	580	537	596	513	588	557	583	547	538	547
Under 1 hour	4,068	320	276	343	337	342	316	371	373	367	346	340	337
White	2,696	216	183	218	215	225	231	256	246	235	214	235	222
All other	1,372	104	93	125	122	117	85	115	127	132	132	105	115
Black	1,269	96	84	119	112	107	82	103	117	126	121	98	104
1-23 hours	10,183	776	729	840	858	951	912	923	850	847	844	817	816
White	6,344	488	455	498	535	601	580	593	517	526	547	496	506
All other	3,819	268	274	323	323	350	332	330	333	321	297	321	306
Black	3,588	266	259	320	301	334	305	311	312	312	275	302	291
1 day	2,465	186	196	211	194	207	207	229	205	203	216	203	208
White	1,660	128	123	142	131	132	142	139	147	144	153	139	140
All other	805	58	73	69	63	75	65	90	58	59	63	64	68
Black	743	53	67	67	58	70	52	85	53	54	59	61	64
2 days	1,498	108	138	124	132	113	128	113	129	131	127	120	135
White	1,048	76	93	87	102	70	93	87	98	93	80	86	83
All other	450	32	45	37	30	43	35	26	31	38	47	34	52
Black	414	30	41	33	28	39	34	24	29	34	43	33	46
3 days	837	60	60	69	60	64	84	82	71	87	64	61	75
White	609	44	43	52	43	47	71	50	49	61	49	43	57
All other	228	16	17	17	17	17	13	32	22	28	15	18	18
Black	199	14	15	17	16	15	10	30	16	23	13	15	15
4 days	594	46	60	40	49	54	46	48	41	57	59	49	45
White	431	31	47	28	39	38	34	33	31	39	41	38	32
All other	163	15	13	12	10	16	12	15	10	18	18	11	13
Black	142	13	12	10	9	12	12	15	9	14	16	9	11
5 days	459	41	44	30	33	43	37	39	42	46	28	42	34
White	349	31	35	25	28	32	28	24	31	32	23	32	28
All other	110	10	9	5	5	11	9	15	11	14	5	10	6
Black	101	9	9	5	4	8	9	14	10	13	5	10	5
6 days	387	34	27	30	37	38	30	34	29	31	38	33	28
White	271	25	20	21	26	27	21	28	18	24	23	23	15
All other	116	9	7	9	11	11	9	6	11	7	15	10	11
Black	112	9	7	9	9	11	9	6	11	7	15	8	11
7-13 days	2,029	147	148	169	146	149	167	167	210	186	169	190	181
White	1,456	112	115	119	104	116	116	125	150	143	118	131	107
All other	573	35	33	50	42	33	51	42	60	43	51	59	74
Black	512	33	28	42	34	30	47	38	57	39	43	53	68
14-20 days	1,247	107	77	93	88	90	104	116	119	113	110	121	109
White	865	72	60	71	67	65	69	73	78	78	78	82	74
All other	382	35	17	22	21	25	35	43	41	35	34	39	35
Black	340	31	14	21	19	21	31	41	35	31	27	36	33
21-27 days	943	89	70	88	55	85	79	76	88	78	77	74	84
White	617	62	46	55	36	48	57	43	54	51	55	54	56
All other	326	27	24	33	19	37	22	33	34	27	22	20	28
Black	275	23	20	26	18	29	18	28	28	22	21	16	26
28-59 days	3,413	345	292	310	264	237	235	237	247	287	349	308	302
White	2,296	221	187	209	176	174	164	156	170	177	232	215	215
All other	1,117	124	105	101	88	63	71	81	77	110	117	93	87
Black	1,006	106	96	94	75	59	66	76	68	98	106	83	79
2 months	3,080	338	285	278	248	216	210	187	192	203	295	326	302
White	2,089	231	198	188	165	142	140	125	134	132	202	227	205
All other	991	107	87	90	83	74	70	62	58	71	93	99	97
Black	879	88	76	81	76	64	63	56	51	65	86	87	86
3 months	2,145	261	217	194	170	188	141	133	120	130	175	190	226
White	1,475	186	144	133	123	120	95	91	78	90	122	124	169
All other	670	75	73	61	47	68	46	42	40	53	66	66	57
Black	608	68	65	55	43	62	42	39	37	49	58	58	51
4 months	1,457	170	151	141	110	104	99	93	78	108	120	127	158
White	968	115	92	102	76	66	62	58	49	70	72	94	110
All other	491	55	59	39	34	38	37	35	29	36	48	39	48
Black	438	47	52	39	28	34	35	29	24	34	42	33	41
5 months	1,042	91	110	105	68	77	67	71	77	80	85	95	116
White	660	59	71	61	43	43	39	39	52	52	67	59	76
All other	382	32	39	44	25	34	28	32	25	28	18	37	40
Black	332	30	35	37	24	27	25	24	21	22	17	33	37
6 months	777	90	75	78	45	62	49	52	49	68	47	70	92
White	531	67	51	48	38	45	35	33	30	40	35	51	60
All other	246	23	24	30	9	17	14	19	19	28	12	19	32
Black	220	22	23	24	8	15	13	16	17	24	12	18	28

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Table 2-12. Deaths Under 1 Year, by Month, Age, Race, and Sex: United States, 1988—Con.

Age, race, and sex	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>BOTH SEXES—Con.</b>													
7 months .....	608	68	67	53	61	47	42	48	35	46	41	68	52
White .....	422	39	38	38	52	32	34	33	22	26	26	50	32
All other .....	186	19	19	15	9	15	8	15	13	20	15	18	20
Black .....	170	18	19	13	8	12	8	12	11	19	14	17	19
8 months .....	526	48	61	40	38	47	48	43	38	36	35	35	57
White .....	347	31	36	31	29	29	34	24	21	27	26	23	36
All other .....	179	17	25	9	9	18	14	19	17	9	9	12	21
Black .....	156	15	21	8	8	16	14	17	17	8	6	11	15
9 months .....	443	41	37	48	37	33	46	35	35	32	31	37	31
White .....	310	29	22	36	23	25	28	29	24	20	23	27	24
All other .....	133	12	15	12	14	8	18	6	11	12	8	10	7
Black .....	117	11	13	11	13	8	14	6	10	10	7	9	5
10 months .....	360	22	42	25	28	22	32	28	31	41	32	23	34
White .....	239	19	24	18	16	11	21	18	20	30	19	15	28
All other .....	121	3	18	7	12	11	11	10	11	11	13	8	6
Black .....	112	3	18	6	11	9	11	9	9	11	12	7	6
11 months .....	369	40	26	25	27	29	26	35	27	23	48	25	38
White .....	244	25	17	16	19	19	14	26	21	14	28	19	26
All other .....	125	15	9	9	8	10	12	9	6	9	20	6	12
Black .....	109	13	7	9	6	10	9	7	6	7	17	6	12
<b>MALE</b>													
Under 1 year .....	22,007	1,938	1,805	1,898	1,749	1,837	1,712	1,783	1,733	1,803	1,896	1,910	1,943
White .....	14,878	1,315	1,215	1,267	1,212	1,230	1,189	1,182	1,174	1,189	1,279	1,299	1,327
All other .....	7,129	623	590	631	537	607	523	601	559	614	617	611	616
Black .....	6,503	560	540	569	482	554	481	555	508	584	557	567	568
Under 28 days .....	13,911	1,088	1,028	1,131	1,132	1,233	1,153	1,227	1,216	1,220	1,181	1,153	1,149
White .....	9,296	720	698	730	772	823	803	807	814	812	794	761	762
All other .....	4,615	368	330	401	360	410	350	420	402	408	387	392	387
Black .....	4,263	335	302	362	329	381	323	388	370	381	352	368	362
Under 7 days .....	11,535	900	851	942	965	1,050	959	1,025	980	998	972	950	943
White .....	7,827	590	563	598	658	694	660	669	660	649	646	618	622
All other .....	3,908	310	288	344	307	356	299	356	320	349	326	332	321
Black .....	3,645	282	269	318	284	336	278	339	296	329	299	313	302
Under 1 hour .....	2,244	177	140	187	178	200	162	215	209	206	190	190	190
White .....	1,499	110	97	120	117	138	120	146	145	128	122	128	128
All other .....	745	67	43	67	61	62	42	69	64	78	68	62	62
Black .....	695	62	40	62	58	57	41	63	61	75	62	56	58
1-23 hours .....	5,731	437	417	477	486	549	512	502	476	470	470	479	456
White .....	3,617	282	267	287	313	352	330	318	293	295	305	288	287
All other .....	2,114	155	150	190	173	197	182	184	183	175	165	191	169
Black .....	1,989	141	143	175	161	189	173	175	169	169	153	181	160
1 day .....	1,410	102	117	115	115	128	114	137	113	114	129	109	117
White .....	955	66	73	78	84	81	80	79	83	80	93	73	85
All other .....	455	36	44	37	31	47	34	58	30	34	36	36	32
Black .....	423	34	41	35	29	45	26	57	28	30	33	35	30
2 days .....	838	67	74	67	83	63	62	59	74	70	69	71	79
White .....	596	50	48	46	67	42	43	47	61	51	42	52	47
All other .....	242	17	26	21	16	21	19	12	13	19	27	19	32
Black .....	224	15	23	19	14	19	19	11	12	18	24	19	31
3 days .....	499	37	32	44	36	35	44	44	44	64	41	35	43
White .....	358	26	20	31	23	27	38	28	30	43	30	26	36
All other .....	141	11	12	13	13	8	6	16	14	21	11	9	7
Black .....	122	9	10	13	12	7	3	16	10	18	9	9	6
4 days .....	338	29	34	22	26	31	26	30	26	31	34	27	22
White .....	256	20	25	14	22	25	22	22	20	21	25	23	14
All other .....	82	9	6	8	4	6	4	8	6	9	9	4	8
Black .....	71	7	5	6	3	6	4	6	6	7	8	4	7
5 days .....	250	26	24	13	16	24	22	19	22	26	16	22	20
White .....	194	19	20	11	14	15	17	13	18	19	15	17	16
All other .....	56	7	4	2	2	9	5	6	4	7	1	5	4
Black .....	52	6	4	2	2	7	5	6	4	7	1	5	3
6 days .....	225	25	13	17	25	20	17	19	18	17	23	17	16
White .....	152	17	10	11	18	14	10	16	10	12	14	11	9
All other .....	73	8	3	6	7	6	7	3	8	5	9	6	7
Black .....	69	8	3	6	5	6	7	3	8	5	9	4	7
7-13 days .....	1,164	75	93	95	88	76	99	97	120	112	103	110	96
White .....	849	56	70	64	63	61	74	75	83	90	72	79	62
All other .....	315	19	23	31	25	15	25	22	37	22	31	31	34
Black .....	280	18	19	24	20	14	24	21	35	20	26	28	31
14-20 days .....	709	65	42	54	54	55	55	65	61	62	65	66	65
White .....	484	41	33	44	36	38	38	38	37	40	46	45	48
All other .....	225	24	9	10	18	17	17	27	24	22	19	21	17
Black .....	201	22	7	9	16	13	15	25	22	20	17	20	15
21-27 days .....	503	48	42	40	25	52	40	40	55	48	41	27	45
White .....	336	33	32	24	15	30	31	25	34	33	30	19	30
All other .....	167	15	10	16	10	22	9	15	21	15	11	8	15
Black .....	137	13	7	11	9	18	6	13	17	12	10	7	14

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Table 2-12. Deaths Under 1 Year, by Month, Age, Race, and Sex: United States, 1988—Con.

Age, race, and sex	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>MALE—Con.</b>													
28-59 days	1,911	178	174	170	145	138	135	130	138	159	191	180	173
White	1,305	119	106	117	95	99	95	92	98	99	124	135	126
All other	606	59	68	53	50	39	40	38	40	60	67	46	47
Black	545	52	64	49	43	36	38	35	35	52	60	38	43
2 months	1,768	197	167	165	137	110	127	101	108	115	172	190	179
White	1,207	138	113	118	100	71	85	65	79	76	116	127	121
All other	561	59	54	49	37	39	42	36	29	39	56	63	58
Black	493	46	47	44	33	34	38	34	23	35	51	56	52
3 months	1,267	154	121	117	107	117	77	79	73	80	104	108	132
White	908	118	83	82	79	77	55	56	50	58	73	79	98
All other	359	36	38	35	28	40	22	23	23	22	31	27	34
Black	327	34	35	32	24	36	19	22	20	21	29	25	30
4 months	852	105	98	81	64	61	59	61	39	57	77	68	82
White	601	71	70	64	45	40	40	42	29	38	49	50	63
All other	251	34	28	17	19	21	19	19	10	19	28	18	19
Black	217	30	24	17	14	19	18	13	7	18	24	18	15
5 months	601	47	67	69	37	46	38	41	45	48	49	59	55
White	390	32	42	42	25	26	20	23	31	33	39	38	39
All other	211	15	25	27	12	20	18	18	14	15	10	21	16
Black	186	14	23	23	11	15	16	14	13	12	10	19	16
6 months	452	52	43	53	29	36	23	25	30	38	27	43	53
White	313	36	32	33	24	27	18	17	18	21	21	29	37
All other	139	16	11	20	5	9	5	8	12	17	6	14	16
Black	120	16	11	15	4	8	4	5	11	14	6	13	13
7 months	390	29	23	32	31	27	25	36	16	23	22	38	28
White	293	19	16	25	27	19	21	22	11	13	15	28	17
All other	97	10	7	7	4	8	4	14	5	10	7	10	11
Black	90	10	7	6	4	7	4	11	4	10	6	10	11
8 months	287	33	28	28	20	23	27	24	20	17	16	20	31
White	195	23	19	23	15	17	21	13	9	14	9	14	18
All other	92	10	9	5	5	6	6	11	11	3	7	6	13
Black	81	8	8	4	4	6	6	11	11	3	4	6	11
9 months	237	21	20	28	16	19	24	19	17	17	17	22	17
White	170	18	15	20	8	15	14	16	14	7	13	16	14
All other	67	3	5	8	8	4	10	3	3	10	4	6	3
Black	62	3	5	8	8	4	9	3	3	8	3	5	3
10 months	205	12	25	13	14	13	15	20	19	19	18	16	21
White	138	10	15	10	8	7	12	12	13	12	11	10	18
All other	67	2	10	3	6	6	3	8	6	7	7	6	3
Black	62	2	10	3	5	4	3	7	5	7	7	6	3
11 months	186	22	11	11	17	14	9	20	12	10	22	15	23
White	122	11	6	5	14	9	5	17	8	6	15	12	14
All other	64	11	5	6	3	5	4	3	4	4	7	3	9
Black	57	10	4	6	3	5	3	2	4	3	5	3	9
<b>FEMALE:</b>													
Under 1 year	16,903	1,480	1,373	1,438	1,336	1,361	1,393	1,377	1,353	1,395	1,440	1,444	1,515
White	11,047	992	885	929	872	877	919	901	866	915	952	963	976
All other	5,856	488	488	507	464	484	474	476	487	480	488	481	539
Black	5,337	438	441	477	426	438	428	431	442	446	449	438	485
Under 28 days	10,779	826	797	906	857	903	957	971	841	926	897	897	901
White	7,050	565	522	586	554	578	639	644	605	614	585	588	560
All other	3,729	261	276	320	303	325	318	327	336	312	312	299	341
Black	3,432	242	264	307	279	295	286	297	307	294	296	273	312
Under 7 days	8,936	671	679	745	735	762	801	814	760	771	750	715	733
White	5,781	449	436	473	461	476	540	541	477	505	484	474	463
All other	3,155	222	243	272	274	284	261	273	283	266	266	241	270
Black	2,923	208	225	262	253	260	235	249	261	254	248	223	245
Under 1 hour	1,824	143	136	158	159	142	154	156	164	161	156	150	147
White	1,197	106	86	98	88	87	111	110	101	107	92	107	94
All other	627	37	50	58	61	55	43	46	63	64	64	43	53
Black	574	34	44	57	54	50	41	40	56	51	59	42	48
1-23 hours	4,432	339	312	363	372	402	400	421	374	377	374	338	360
White	2,727	206	188	211	222	249	250	275	224	231	242	208	221
All other	1,705	133	124	152	150	153	150	146	150	146	132	130	139
Black	1,599	126	116	145	140	145	132	136	143	143	122	121	131
1 day	1,055	84	79	96	79	79	93	92	92	89	87	94	91
White	705	62	50	64	47	51	62	60	64	64	60	66	55
All other	350	22	29	32	32	28	31	32	28	25	27	28	36
Black	320	19	26	32	29	25	26	28	25	24	26	26	34
2 days	660	41	64	57	49	50	66	54	55	61	58	49	56
White	452	26	45	41	35	28	50	40	37	42	38	34	36
All other	208	15	19	16	14	22	16	14	18	19	20	15	20
Black	190	15	18	14	14	20	15	13	17	16	19	14	15
3 days	338	23	28	25	24	29	40	38	27	23	23	26	32
White	251	18	23	21	20	20	33	22	19	18	14	17	21
All other	87	5	5	4	4	9	7	16	8	5	4	9	11
Black	77	5	5	4	4	8	7	14	6	4	4	6	9
4 days	256	17	26	18	23	23	20	18	15	26	25	22	23
White	175	11	19	14	17	13	12	11	11	18	16	15	18
All other	81	6	7	4	6	10	8	7	4	8	9	7	5
Black	71	6	7	4	6	6	8	7	3	7	8	5	4

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Table 2-12. Deaths Under 1 Year, by Month, Age, Race, and Sex: United States, 1988—Con.

Age, race, and sex	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>FEMALE—Con.</b>													
5 days	209	15	20	17	17	19	15	20	20	20	12	20	14
White	165	12	15	14	14	17	11	11	13	13	8	15	12
All other	54	3	5	3	3	2	4	9	7	7	4	5	2
Black	49	3	5	3	2	1	4	8	6	6	4	5	2
6 days	162	9	14	13	12	18	13	15	13	14	15	16	10
White	119	8	10	10	8	13	11	12	8	12	9	12	6
All other	43	1	4	3	4	5	2	3	5	2	6	4	4
Black	43	1	4	3	4	5	2	3	5	2	6	4	4
7-13 days	885	72	55	74	58	73	68	70	90	74	66	80	85
White	607	56	45	55	41	55	42	50	67	53	46	52	45
All other	258	16	10	19	17	18	26	20	23	21	20	28	40
Black	232	15	9	18	14	16	23	17	22	19	17	25	37
14-20 days	538	42	35	39	34	35	49	51	58	51	45	55	44
White	391	31	27	27	31	27	31	35	41	38	30	37	26
All other	157	11	8	12	3	8	18	16	17	13	15	18	18
Black	139	9	7	12	3	8	16	16	13	11	10	16	18
21-27 days	440	41	28	48	30	33	39	36	39	30	36	47	39
White	291	29	14	31	21	18	26	18	20	18	25	35	26
All other	159	12	14	17	9	15	13	18	13	12	11	12	13
Black	138	10	13	15	9	11	12	15	11	10	11	9	12
28-59 days	1,602	167	118	140	119	99	100	107	109	128	158	128	129
White	991	102	81	92	81	75	69	64	72	78	108	80	89
All other	511	65	37	48	38	24	31	43	37	50	50	48	40
Black	461	54	32	45	32	23	28	41	33	46	46	45	36
2 months	1,312	141	118	113	111	106	83	86	84	88	123	136	123
White	882	93	85	72	65	71	55	60	55	71	86	100	84
All other	430	48	33	41	46	35	28	26	29	32	37	36	39
Black	386	42	29	37	43	30	25	22	28	30	35	31	34
3 months	878	107	96	77	63	71	64	54	47	50	71	84	94
White	567	68	61	51	44	43	40	35	28	32	49	45	71
All other	311	39	35	26	19	28	24	19	18	18	22	39	23
Black	279	34	30	23	19	26	23	17	17	16	20	38	21
4 months	605	65	53	60	46	43	40	32	39	49	43	59	76
White	365	44	22	38	31	26	22	16	20	32	23	44	47
All other	240	21	31	22	15	17	18	16	19	17	20	15	29
Black	221	17	28	22	14	15	17	16	17	16	18	15	26
5 months	441	44	43	38	31	31	29	30	32	32	36	36	61
White	270	27	29	19	18	17	19	16	21	19	28	20	37
All other	171	17	14	17	13	14	10	14	11	13	8	16	24
Black	146	16	12	14	13	12	9	10	8	10	7	14	21
6 months	325	38	32	25	16	26	26	27	19	30	20	27	39
White	218	31	19	15	12	18	17	16	12	19	14	22	23
All other	107	7	13	10	4	8	9	11	7	11	6	5	16
Black	100	6	12	9	4	7	9	11	6	10	6	5	15
7 months	278	29	34	21	30	20	17	12	19	23	19	30	24
White	189	20	22	13	25	13	13	11	11	13	11	22	15
All other	89	9	12	8	5	7	4	1	8	10	8	8	9
Black	80	8	12	7	4	5	4	1	7	9	8	7	8
8 months	238	15	33	12	18	24	21	19	18	19	19	15	26
White	152	8	17	8	14	12	13	11	12	13	17	9	18
All other	87	7	16	4	4	12	8	8	6	6	2	6	8
Black	75	7	13	4	4	11	8	6	6	5	2	5	4
9 months	206	20	17	20	21	14	22	16	18	15	14	15	14
White	140	11	7	16	15	10	14	13	10	13	10	11	10
All other	66	9	10	4	6	4	8	3	8	2	4	4	4
Black	55	8	8	3	5	4	5	3	7	2	4	4	2
10 months	155	10	17	12	14	9	17	8	12	22	14	7	13
White	101	9	9	4	8	5	9	6	7	18	8	5	10
All other	54	1	8	4	6	4	8	2	5	4	6	2	3
Black	50	1	8	3	6	5	8	2	4	4	5	1	3
11 months	183	18	15	14	10	15	17	15	15	13	26	10	15
White	122	14	11	11	5	10	9	9	13	8	13	7	12
All other	61	4	4	3	5	5	8	6	2	5	13	3	3
Black	52	3	3	3	3	5	6	5	2	4	12	3	3

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Table 2-13. Deaths Under 1 Year and Under 28 Days, by Month and Race: Each State, 1988

Area, age, and race	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>ALABAMA</b>													
Under 1 year	738	68	58	62	60	46	53	59	57	64	74	73	84
White	356	34	25	33	30	23	23	31	33	36	32	43	23
All other	370	34	31	29	30	23	30	28	24	28	42	30	41
Black	361	34	30	29	30	23	30	26	24	26	40	29	40
Under 28 days	488	39	34	40	38	33	38	37	41	46	48	52	42
White	244	19	12	22	18	19	16	19	23	28	22	33	13
All other	244	20	22	18	20	14	22	18	18	18	26	19	29
Black	239	20	21	18	20	14	22	18	18	16	24	19	29
<b>ALASKA</b>													
Under 1 year	130	10	9	13	15	10	8	12	13	7	15	10	8
White	71	6	4	7	8	8	4	7	7	6	9	2	3
All other	59	4	5	6	7	2	4	5	6	1	6	8	5
Black	13	1	1	1	1	-	2	-	2	-	1	3	1
Under 28 days	57	4	2	7	7	6	3	7	9	2	5	2	3
White	32	3	-	3	3	6	2	5	6	1	2	1	-
All other	25	1	2	4	4	-	1	2	3	1	3	1	3
Black	6	-	1	-	1	-	-	-	1	-	1	1	1
<b>ARIZONA</b>													
Under 1 year	637	59	39	56	51	58	47	36	55	43	64	68	61
White	516	45	28	48	43	44	39	31	39	33	55	59	52
All other	121	14	11	8	8	14	8	5	16	10	9	9	9
Black	55	7	5	3	2	2	4	3	10	5	5	3	6
Under 28 days	386	24	24	28	33	30	31	23	40	25	40	47	41
White	314	18	16	25	28	24	28	20	27	21	35	40	32
All other	72	6	8	3	5	6	3	3	13	4	7	7	9
Black	43	5	4	2	2	2	3	2	9	2	3	3	6
<b>ARKANSAS</b>													
Under 1 year	374	35	20	31	43	25	29	34	27	32	38	25	35
White	229	17	11	18	24	19	19	22	12	23	30	14	20
All other	145	18	9	13	19	6	10	12	15	9	8	11	15
Black	145	18	9	13	19	6	10	12	15	9	8	11	15
Under 28 days	224	19	13	17	30	17	16	23	17	19	26	8	19
White	134	8	7	9	16	12	8	15	8	17	21	3	10
All other	90	11	6	8	14	5	8	8	9	2	5	5	9
Black	90	11	6	8	14	5	8	8	9	2	5	5	9
<b>CALIFORNIA</b>													
Under 1 year	4,573	450	363	364	356	353	393	387	366	346	390	371	434
White	3,386	341	263	264	254	263	283	288	278	256	293	279	324
All other	1,187	109	100	100	102	80	110	99	88	90	97	92	110
Black	854	75	80	75	68	66	73	74	63	63	62	75	80
Under 28 days	2,747	229	194	208	214	221	267	263	243	221	245	213	229
White	2,027	179	146	151	152	165	190	197	183	166	185	153	180
All other	720	50	48	57	62	56	77	66	60	55	60	60	69
Black	519	34	42	42	41	44	49	48	45	39	35	49	51
<b>COLORADO</b>													
Under 1 year	510	43	51	42	42	42	32	43	41	49	47	36	42
White	466	38	47	40	38	36	30	42	39	46	45	29	36
All other	44	5	4	2	4	6	2	1	2	3	2	7	6
Black	38	4	4	2	3	5	2	-	1	3	2	7	5
Under 28 days	300	23	23	22	27	25	19	32	23	27	31	22	26
White	271	21	20	21	25	21	17	32	22	26	29	16	21
All other	29	2	3	1	2	4	2	-	1	1	2	6	5
Black	27	2	3	1	2	4	2	-	-	1	2	6	4
<b>CONNECTICUT</b>													
Under 1 year	426	37	38	33	36	39	29	43	35	34	41	36	25
White	323	23	24	27	33	28	23	34	23	30	32	27	19
All other	103	14	14	6	3	11	6	9	12	4	9	9	6
Black	101	13	14	6	3	11	6	9	12	4	8	9	6
Under 28 days	299	31	23	21	29	28	16	30	29	24	28	24	16
White	225	19	15	17	27	19	12	21	18	23	23	20	14
All other	71	12	8	4	2	9	4	9	11	1	5	4	2
Black	70	11	8	4	2	9	4	9	11	1	5	4	2
<b>DELAWARE</b>													
Under 1 year	123	14	10	13	11	5	11	8	9	13	10	8	11
White	71	8	6	8	8	2	6	3	5	8	8	3	6
All other	52	6	4	5	3	3	5	5	4	5	2	5	5
Black	51	6	4	5	3	3	4	5	4	5	2	5	5
Under 28 days	92	10	8	8	10	4	7	6	8	11	8	4	8
White	50	4	4	5	7	1	4	2	4	8	6	1	4
All other	42	6	4	3	3	3	3	4	4	3	2	3	4
Black	41	6	4	3	3	3	2	4	4	3	2	3	4
<b>DISTRICT OF COLUMBIA</b>													
Under 1 year	245	12	21	20	20	19	18	21	19	23	14	26	32
White	33	3	1	3	1	3	2	1	3	5	1	6	4
All other	212	9	20	17	19	16	16	20	16	18	13	20	28
Black	212	9	20	17	19	16	16	20	16	18	13	20	28
Under 28 days	185	7	16	13	17	16	14	16	16	15	10	21	24
White	21	-	-	-	1	3	2	1	3	4	-	5	2
All other	164	7	16	13	16	13	12	15	13	11	10	16	22
Black	164	7	16	13	16	13	12	15	13	11	10	16	22

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Table 2-13. Deaths Under 1 Year and Under 28 Days, by Month and Race: Each State, 1988—Con.

Area, age, and race	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>FLORIDA</b>													
Under 1 year	1,952	173	182	150	144	162	169	179	145	168	168	168	176
White	1,166	115	101	92	86	94	99	99	81	96	95	102	106
All other	786	58	81	58	58	68	60	80	64	70	73	66	70
Black	777	58	60	58	58	68	58	79	61	70	72	66	69
Under 28 days	1,276	100	99	86	91	113	107	131	110	118	110	105	106
White	779	69	68	55	57	69	64	69	62	68	66	67	65
All other	497	31	31	31	34	44	43	62	48	50	44	38	41
Black	491	31	30	31	34	44	41	62	46	50	43	38	41
<b>GEORGIA</b>													
Under 1 year	1,331	107	95	98	118	122	100	106	102	115	119	119	130
White	609	48	49	45	63	50	44	47	41	54	61	41	66
All other	722	59	46	53	55	72	56	59	61	61	58	78	64
Black	716	58	46	53	55	72	55	59	61	60	56	77	64
Under 28 days	879	63	51	58	68	88	69	75	75	78	78	77	79
White	388	28	29	24	44	34	34	36	24	40	37	23	35
All other	491	35	22	34	44	54	35	39	51	38	41	54	44
Black	486	34	22	34	44	54	34	39	51	38	39	53	44
<b>HAWAII</b>													
Under 1 year	137	12	16	11	5	11	8	11	8	11	11	15	18
White	33	4	8	-	2	2	2	2	2	-	2	4	5
All other	104	8	8	11	3	9	6	9	6	11	9	11	13
Black	8	-	1	3	-	1	-	1	-	1	1	-	-
Under 28 days	99	7	11	7	2	10	5	9	7	9	8	11	13
White	23	2	5	-	1	2	1	2	2	-	2	3	3
All other	76	5	6	7	1	8	4	7	5	9	6	8	10
Black	6	-	-	2	-	1	-	1	-	1	1	-	-
<b>IDAHO</b>													
Under 1 year	138	13	19	11	8	10	11	9	11	9	12	15	10
White	128	13	17	10	8	10	11	9	8	8	11	14	9
All other	10	-	2	1	-	-	-	-	3	1	1	1	1
Black	2	-	-	-	-	-	-	-	1	-	-	-	1
Under 28 days	59	5	7	4	4	4	7	3	5	3	7	7	3
White	55	5	6	4	4	4	7	3	4	3	6	7	2
All other	4	-	1	-	-	-	-	-	1	-	1	-	1
Black	1	-	-	-	-	-	-	-	-	-	-	-	1
<b>ILLINOIS</b>													
Under 1 year	2,083	176	188	178	172	169	167	164	168	181	169	182	171
White	1,193	96	115	92	102	92	91	83	94	101	103	117	107
All other	890	80	71	86	70	77	76	81	74	80	66	65	64
Black	869	80	69	83	69	75	73	81	72	78	64	63	62
Under 28 days	1,336	93	110	117	110	117	115	98	119	129	112	121	95
White	793	54	74	57	68	66	66	58	66	73	70	78	63
All other	543	39	36	60	42	51	49	40	53	56	42	43	32
Black	528	39	35	58	41	49	46	40	52	54	40	42	32
<b>INDIANA</b>													
Under 1 year	899	84	72	75	64	74	63	62	69	90	72	91	83
White	709	67	60	53	58	54	56	52	50	70	57	66	66
All other	180	17	12	22	6	20	7	10	19	20	15	25	17
Black	188	17	12	22	6	20	6	10	19	19	15	25	17
Under 28 days	530	42	34	41	37	47	39	39	46	55	40	59	51
White	414	34	32	29	32	32	33	32	32	41	34	43	40
All other	116	8	2	12	5	15	6	7	14	14	6	16	11
Black	115	8	2	12	5	15	5	7	14	14	6	16	11
<b>IOWA</b>													
Under 1 year	331	27	28	26	30	28	23	23	33	25	28	26	34
White	301	26	24	24	26	25	22	22	30	24	25	24	29
All other	30	1	4	2	4	3	1	1	3	1	3	2	5
Black	23	-	2	2	3	3	1	1	2	1	2	2	4
Under 28 days	207	16	16	14	24	21	11	17	19	18	16	17	18
White	182	16	14	13	20	19	10	17	18	18	16	16	15
All other	15	-	2	1	4	2	1	-	1	-	-	1	3
Black	12	-	1	1	3	2	1	-	-	-	-	1	3
<b>KANSAS</b>													
Under 1 year	309	29	28	25	34	30	19	27	28	16	25	19	29
White	237	25	23	19	28	21	16	22	19	9	17	16	22
All other	72	4	5	6	6	9	3	5	9	7	8	3	7
Black	60	4	5	5	6	6	2	5	7	6	5	2	7
Under 28 days	180	17	14	18	22	15	16	20	20	11	14	9	14
White	141	14	11	12	17	10	14	16	12	6	9	8	12
All other	49	3	3	6	5	5	2	4	8	5	5	1	2
Black	41	3	3	5	5	4	2	4	6	4	3	-	2
<b>KENTUCKY</b>													
Under 1 year	544	44	44	55	38	52	46	51	29	42	47	46	52
White	453	39	35	44	29	44	41	42	25	35	40	34	45
All other	91	5	9	11	7	8	5	9	4	7	7	12	7
Black	89	4	8	11	7	8	5	9	4	7	7	12	7
Under 28 days	316	24	16	28	25	33	32	38	19	26	28	24	25
White	280	21	10	20	21	29	28	30	16	22	23	19	21
All other	56	3	6	8	4	4	4	6	3	4	5	5	4
Black	55	3	5	8	4	4	4	6	3	4	5	5	4

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Table 2-13. Deaths Under 1 Year and Under 28 Days, by Month and Race: Each State, 1988—Con.

Area, age, and race	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>LOUISIANA</b>													
Under 1 year .....	814	67	84	66	68	79	69	72	68	63	50	61	67
White .....	381	33	36	25	32	41	33	35	27	23	26	31	39
All other .....	433	34	48	41	36	38	36	37	41	40	24	30	28
Black .....	429	34	46	41	36	38	36	37	40	40	23	30	28
Under 28 days .....	521	35	45	35	47	52	48	55	51	48	26	31	48
White .....	238	19	21	11	21	26	19	25	18	19	16	14	29
All other .....	283	16	24	24	26	26	29	30	33	29	10	17	19
Black .....	279	16	22	24	26	26	29	30	32	29	9	17	19
<b>MAINE</b>													
Under 1 year .....	136	10	12	9	8	13	19	11	15	8	5	13	13
White .....	135	10	12	9	8	13	19	10	15	8	5	13	13
All other .....	1	-	-	-	-	-	-	1	-	-	-	-	-
Black .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Under 28 days .....	89	5	7	6	6	10	15	6	10	5	4	8	7
White .....	89	5	7	6	6	10	15	6	10	5	4	8	7
All other .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Black .....	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>MARYLAND</b>													
Under 1 year .....	854	76	76	83	69	70	69	72	57	62	76	80	84
White .....	415	40	33	40	32	35	40	35	26	28	42	34	30
All other .....	439	36	43	43	37	35	29	37	31	34	34	46	34
Black .....	424	34	40	42	35	33	29	36	30	34	32	45	34
Under 28 days .....	603	53	58	55	49	50	51	59	43	41	42	59	43
White .....	285	27	25	27	23	24	29	30	18	17	24	24	17
All other .....	318	26	33	28	26	26	22	29	25	24	18	35	28
Black .....	310	25	31	27	25	26	22	29	24	24	17	34	28
<b>MASSACHUSETTS</b>													
Under 1 year .....	695	40	61	62	58	74	46	51	49	68	55	80	51
White .....	550	24	46	51	50	57	35	43	45	49	43	66	41
All other .....	145	16	15	11	8	17	11	8	4	19	12	14	10
Black .....	132	16	13	10	7	15	9	8	4	16	12	13	9
Under 28 days .....	479	25	39	50	40	55	31	38	39	46	39	45	32
White .....	386	16	30	41	34	42	26	32	36	32	33	37	27
All other .....	93	9	9	9	6	13	5	6	3	14	6	8	5
Black .....	87	9	8	9	6	11	4	6	3	13	6	8	5
<b>MICHIGAN</b>													
Under 1 year .....	1,644	128	132	148	115	128	134	124	124	141	121	126	123
White .....	954	87	83	94	68	73	73	80	78	83	70	81	84
All other .....	590	41	49	54	47	55	61	44	46	58	51	45	39
Black .....	571	40	49	53	43	52	59	43	43	57	50	43	39
Under 28 days .....	1,070	83	84	103	76	95	96	88	87	107	89	81	87
White .....	628	52	48	61	49	55	50	54	53	60	46	44	56
All other .....	442	31	36	42	27	40	46	34	34	47	37	37	31
Black .....	430	31	36	41	25	37	44	33	33	46	37	36	31
<b>MINNESOTA</b>													
Under 1 year .....	521	49	54	34	36	47	29	43	47	47	39	42	54
White .....	434	39	46	31	31	39	23	35	37	42	27	38	48
All other .....	87	10	8	3	5	8	6	8	10	5	12	4	8
Black .....	54	8	7	2	3	5	3	6	3	3	8	3	3
Under 28 days .....	315	24	31	19	21	29	17	30	30	34	22	27	31
White .....	264	18	28	18	17	22	14	24	24	31	14	25	29
All other .....	51	6	3	1	4	7	3	6	6	3	8	2	2
Black .....	33	5	3	1	2	5	1	4	1	2	7	1	1
<b>MISSISSIPPI</b>													
Under 1 year .....	518	45	38	44	38	49	44	37	39	56	43	40	43
White .....	189	9	12	15	16	15	20	14	17	22	17	17	15
All other .....	327	36	26	29	22	34	24	23	22	34	28	23	28
Black .....	320	32	26	29	21	34	24	22	22	34	26	23	27
Under 28 days .....	318	22	19	29	20	30	28	29	30	35	27	24	25
White .....	118	4	6	11	8	8	14	11	13	16	9	9	9
All other .....	200	18	13	18	12	22	14	18	17	19	18	15	18
Black .....	197	17	13	18	11	22	14	18	17	19	18	15	15
<b>MISSOURI</b>													
Under 1 year .....	773	84	57	77	56	46	52	68	62	74	67	69	61
White .....	564	58	35	59	38	32	34	57	49	55	48	51	50
All other .....	209	28	22	18	18	14	18	11	13	19	19	18	11
Black .....	205	28	21	18	16	14	18	11	13	19	18	18	11
Under 28 days .....	488	43	33	52	37	34	35	52	44	47	34	39	38
White .....	353	27	20	39	27	24	21	43	34	36	24	29	29
All other .....	135	16	13	13	10	10	14	9	10	11	10	10	9
Black .....	132	16	12	13	8	10	14	9	10	11	10	10	9
<b>MONTANA</b>													
Under 1 year .....	102	9	8	12	6	8	7	7	5	9	6	9	16
White .....	87	8	7	9	5	7	7	7	4	7	5	7	14
All other .....	15	1	1	3	1	1	-	-	1	2	1	2	2
Black .....	1	-	-	-	-	-	-	-	-	1	-	-	-
Under 28 days .....	53	6	2	9	2	4	3	2	2	4	3	5	11
White .....	50	6	2	8	2	4	3	2	2	3	3	4	11
All other .....	3	-	-	1	-	-	-	-	-	1	-	1	-
Black .....	1	-	-	-	-	-	-	-	-	1	-	-	-

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Table 2-13. Deaths Under 1 Year and Under 28 Days, by Month and Race: Each State, 1988—Con.

Area, age, and race	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>NEBRASKA</b>													
Under 1 year	215	14	22	19	16	21	13	16	20	21	21	14	19
White	177	10	20	15	15	13	10	14	19	17	19	10	15
All other	38	4	2	4	1	8	3	1	1	4	2	4	4
Black	32	4	2	3	1	4	3	1	1	3	2	4	4
Under 28 days	128	7	13	12	9	11	9	7	14	14	12	9	11
White	107	5	12	10	9	7	6	6	13	11	12	7	9
All other	21	2	1	2	-	4	3	1	1	3	-	2	2
Black	17	2	1	2	-	1	3	1	1	2	-	2	2
<b>NEVADA</b>													
Under 1 year	152	14	8	22	10	11	14	9	6	10	16	19	13
White	110	10	6	13	8	9	10	4	4	9	13	13	11
All other	42	4	2	9	2	2	4	5	2	1	3	6	2
Black	37	3	2	7	2	2	4	6	2	-	2	6	2
Under 28 days	66	5	2	10	2	5	9	7	3	7	6	5	5
White	49	4	2	6	2	5	6	3	2	6	5	4	4
All other	17	1	-	4	-	-	3	4	1	1	1	1	1
Black	16	1	-	4	-	-	3	4	1	-	1	1	1
<b>NEW HAMPSHIRE</b>													
Under 1 year	144	14	8	17	12	7	9	13	12	18	16	12	11
White	141	13	8	17	12	7	9	13	12	12	15	12	11
All other	3	1	-	-	-	-	-	-	-	1	1	-	-
Black	2	1	-	-	-	-	-	-	-	-	1	-	-
Under 28 days	90	9	3	11	8	7	5	6	9	12	8	10	2
White	87	8	3	11	8	7	5	6	9	11	7	10	2
All other	3	1	-	-	-	-	-	-	-	1	1	-	-
Black	2	1	-	-	-	-	-	-	-	-	1	-	-
<b>NEW JERSEY</b>													
Under 1 year	1,168	96	94	100	98	83	101	91	92	104	94	106	109
White	705	61	48	72	54	56	63	52	56	66	52	72	53
All other	483	35	46	28	44	27	38	39	36	38	42	34	56
Black	439	30	39	27	43	27	35	39	35	37	42	33	52
Under 28 days	795	61	51	65	66	53	74	65	68	82	63	71	74
White	497	44	28	48	36	37	49	38	45	55	31	50	36
All other	288	17	23	17	32	16	25	27	23	27	32	21	38
Black	285	14	20	16	31	16	24	27	22	27	32	21	35
<b>NEW MEXICO</b>													
Under 1 year	270	23	29	22	21	24	21	29	23	15	24	19	21
White	214	18	21	17	16	21	18	21	13	14	23	16	16
All other	56	5	8	5	5	3	3	7	10	1	1	3	5
Black	10	-	2	-	1	1	-	2	2	-	1	-	1
Under 28 days	165	10	16	11	14	17	13	20	15	11	14	11	13
White	133	7	13	8	12	14	12	16	10	10	14	8	9
All other	32	3	3	3	2	3	1	4	5	1	-	3	4
Black	6	-	1	-	1	1	-	1	1	-	-	-	1
<b>NEW YORK</b>													
Under 1 year	3,017	245	259	253	238	280	224	252	250	257	279	251	259
White	1,813	153	143	148	144	169	136	151	148	145	176	146	154
All other	1,204	92	116	105	94	81	88	101	102	112	103	105	105
Black	1,150	89	104	101	88	76	85	92	99	111	101	101	103
Under 28 days	2,081	167	182	162	166	175	165	181	182	180	188	162	171
White	1,284	94	110	96	100	119	104	113	115	97	115	98	103
All other	817	63	72	66	66	56	61	68	77	83	73	64	68
Black	776	61	63	63	62	51	59	63	74	82	71	61	66
<b>NORTH CAROLINA</b>													
Under 1 year	1,215	109	103	96	78	110	107	87	98	104	103	99	121
White	631	50	49	42	41	51	67	41	53	62	52	57	66
All other	684	59	54	54	37	59	40	46	45	42	51	42	55
Black	563	57	53	49	37	58	38	44	45	40	49	41	52
Under 28 days	776	57	54	55	63	79	71	69	61	69	65	69	74
White	409	26	26	26	26	34	49	36	30	46	30	36	44
All other	367	31	28	29	27	45	22	33	31	23	35	33	30
Black	355	29	27	27	27	45	20	32	31	23	34	32	28
<b>NORTH DAKOTA</b>													
Under 1 year	106	8	7	5	7	7	7	7	13	13	11	12	9
White	90	7	7	3	6	5	7	7	11	11	10	10	6
All other	16	1	-	2	1	2	-	-	2	2	1	2	3
Black	-	-	-	-	-	-	-	-	-	-	-	-	-
Under 28 days	57	3	4	3	1	5	5	5	7	8	5	7	4
White	51	3	4	2	1	4	5	5	6	7	5	6	3
All other	6	-	-	1	-	1	-	-	1	1	-	1	1
Black	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>OHIO</b>													
Under 1 year	1,565	134	109	131	123	113	135	137	134	129	133	148	139
White	1,180	104	81	96	88	84	103	99	102	90	96	106	101
All other	415	30	28	35	35	29	32	38	32	39	37	42	38
Black	406	30	27	35	35	26	31	37	31	39	37	42	36
Under 28 days	987	80	59	81	75	70	90	96	95	78	84	87	92
White	737	62	47	63	52	48	71	65	77	59	57	68	68
All other	250	18	12	18	23	22	19	31	18	19	27	19	24
Black	244	18	12	18	28	20	18	30	18	19	27	19	22







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Table 2-14. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Month: United States, 1988

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death and age	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Under 1 year - All causes	38,910	3,418	3,178	3,334	3,085	3,198	3,105	3,160	3,088	3,198	3,336	3,354	3,458
Certain intestinal infections (008-009)	85	7	8	7	7	6	9	7	12	3	9	3	7
Whooping cough (033)	4	-	2	-	-	-	-	1	-	-	-	1	-
Meningococcal infection (038)	72	9	11	8	6	8	3	4	3	3	7	6	4
Septicemia (038)	245	23	22	20	14	17	27	22	15	26	26	14	19
Viral diseases (045-079)	110	13	11	9	9	9	13	3	8	7	9	10	9
Congenital syphilis (090)	17	1	1	2	3	2	2	3	-	-	3	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139)	207	17	20	14	12	9	21	12	14	23	22	26	17
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	89	11	7	10	4	4	6	12	3	8	13	8	3
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	60	5	7	3	5	6	8	3	3	7	8	3	2
Diseases of thymus gland (254)	5	1	-	1	-	-	-	-	-	1	-	-	2
Cystic fibrosis (277.0)	10	-	1	3	1	2	1	-	-	-	-	-	2
Diseases of blood and blood-forming organs (280-289)	75	10	6	2	5	8	5	3	4	9	3	9	11
Meningitis (320-322)	205	24	22	19	21	13	17	9	15	14	18	15	18
Other diseases of nervous system and sense organs (323-389)	454	45	44	41	34	44	51	35	19	34	30	36	41
Acute upper respiratory infections (460-465)	43	7	5	3	6	-	2	3	2	2	3	2	8
Bronchitis and bronchiolitis (466,490-491)	115	24	16	15	8	2	6	1	2	6	9	9	15
Pneumonia and influenza (480-487)	641	91	84	74	50	51	44	41	32	38	42	45	49
Pneumonia (480-486)	635	91	81	73	50	50	44	41	32	38	42	45	48
Influenza (487)	6	-	3	1	-	1	-	-	-	-	-	-	1
Remainder of diseases of respiratory system (470-478,492-519)	420	52	37	44	32	30	31	33	25	34	30	42	30
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	77	10	6	10	5	6	5	5	9	7	5	5	4
Gastritis, duodenitis, and noninfective enteritis and colitis (535,535-558)	101	10	9	8	12	7	5	3	9	11	13	7	7
Remainder of diseases of digestive system (520-534,536-543,562-579)	203	19	30	16	13	11	13	10	19	22	17	15	18
Congenital anomalies (740-759)	8,141	690	588	649	636	657	687	708	723	691	732	659	721
Anencephalus and similar anomalies (740)	533	45	47	27	45	51	52	61	45	42	35	35	48
Spina bifida (741)	69	7	7	5	6	4	5	9	4	8	4	6	4
Congenital hydrocephalus (742.3)	171	15	11	23	12	16	8	8	18	15	13	12	20
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	333	28	26	29	30	25	25	29	26	20	36	28	31
Congenital anomalies of heart (745-746)	2,582	219	184	208	183	205	213	228	245	211	244	214	228
Other congenital anomalies of circulatory system (747)	584	49	41	45	52	50	49	57	54	48	46	34	59
Congenital anomalies of respiratory system (748)	1,109	97	81	85	86	94	109	86	101	93	99	94	84
Congenital anomalies of digestive system (749-751)	107	12	10	8	15	4	10	10	9	8	8	3	10
Congenital anomalies of genitourinary system (752-753)	505	41	33	35	48	44	46	43	41	45	39	47	41
Congenital anomalies of musculoskeletal system (754-756)	601	43	47	54	38	41	49	41	50	74	59	53	52
Down's syndrome (758.0)	119	14	11	8	10	7	7	10	10	11	11	8	12
Other chromosomal anomalies (758.1-758.9)	795	58	50	69	61	57	59	70	67	72	84	78	78
All other and unspecified congenital anomalies (744,757,759)	633	62	40	53	50	59	53	56	50	49	66	41	54
Certain conditions originating in the perinatal period (760-779)	18,036	1,369	1,337	1,518	1,456	1,617	1,512	1,601	1,541	1,574	1,508	1,516	1,487
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	147	7	15	15	11	12	9	16	16	9	11	17	9
Newborn affected by maternal complications of pregnancy (761)	1,411	90	104	113	124	135	118	111	154	114	132	108	110
Newborn affected by complications of placenta, cord, and membranes (762)	907	69	55	82	78	92	59	82	53	80	77	89	81
Newborn affected by other complications of labor and delivery (763)	60	3	2	8	5	6	4	10	8	1	3	6	4
Slow fetal growth and fetal malnutrition (764)	38	2	2	5	5	2	2	5	1	3	3	1	7
Disorders relating to short gestation and unspecified low birthweight (765)	3,268	267	223	265	265	297	261	299	268	292	278	282	271
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	216	18	20	24	18	21	26	14	19	18	12	15	11
Intrauterine hypoxia and birth asphyxia (768)	777	83	64	68	60	68	55	67	46	79	68	52	67
Fetal distress in liveborn infant (768.2-768.4)	193	15	15	15	13	13	15	14	14	25	21	12	21
Birth asphyxia (768.5-768.9)	584	68	49	53	47	55	40	53	32	54	47	40	46
Respiratory distress syndrome (769)	3,181	246	258	262	274	280	268	267	240	289	243	287	287
Other respiratory conditions of newborn (770)	3,588	232	266	306	300	318	312	334	308	281	318	305	308
Infections specific to the perinatal period (771)	878	73	73	67	56	80	87	78	104	56	67	58	79
Neonatal hemorrhage (772)	324	30	29	26	28	19	20	34	30	32	33	27	16
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	45	2	1	6	2	2	5	5	8	3	4	3	4
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	8	-	-	1	2	1	1	2	1	-	-	-	-
Hemorrhagic disease of newborn (776.0)	3	-	-	-	1	-	-	-	1	-	-	1	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	3,185	247	225	270	227	284	285	277	284	307	259	267	253
Symptoms, signs, and ill-defined conditions (780-799)	6,486	710	666	696	496	454	418	383	342	425	594	661	741
Sudden infant death syndrome (798.0)	5,476	621	573	512	433	389	338	324	294	352	485	536	619
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799)	1,010	89	93	84	63	65	80	59	48	73	109	125	122
Accidents and adverse effects (E800-E949)	936	68	68	82	71	78	72	110	90	70	75	75	77
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E811-E912)	145	15	10	7	9	17	19	12	11	7	10	12	16
Accidental mechanical suffocation (E913)	198	12	11	14	12	16	17	30	19	18	18	14	17
Other accidental causes and adverse effects (E800-E910,E914-E949)	593	41	47	61	50	45	36	68	60	45	47	49	44
Homicide (E960-E969)	315	42	27	32	27	23	20	20	26	26	33	23	16
Child battering and other maltreatment (E967)	108	16	10	9	12	8	5	6	10	12	5	10	5
Other homicide (E960-E966,E968-E969)	207	26	17	23	15	15	15	14	16	14	28	13	11
All other causes (Residual)	1,758	160	143	148	151	134	127	128	170	157	126	164	150

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Table 2-14. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Month: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death and age	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Under 28 days - All causes .....	24,680	1,914	1,825	2,037	1,989	2,136	2,110	2,198	2,157	2,146	2,078	2,050	2,050
Certain intestinal infections (008-009) .....	3	1	-	-	-	-	-	-	-	1	-	-	1
Whooping cough (039) .....	5	2	1	-	-	-	-	1	-	-	-	-	1
Meningococcal infection (036) .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Septicemia (038) .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Viral diseases (045-079) .....	30	-	-	2	1	1	5	2	5	3	4	5	2
Congenital syphilis (090) .....	14	1	1	1	2	2	2	3	-	-	2	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-036,037,039-041,*042-*044,080-088,091-139) .....	14	-	3	-	-	-	3	1	1	3	1	1	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	12	-	-	2	1	-	3	-	1	1	2	1	1
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	30	1	3	-	2	4	5	2	1	4	5	1	2
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	3	-	-	1	-	1	-	-	-	-	-	-	1
Diseases of blood and blood-forming organs (280-289) .....	22	2	2	-	3	3	-	1	-	5	2	2	2
Meningitis (320-322) .....	38	4	4	3	3	3	4	1	2	4	4	3	3
Other diseases of nervous system and sense organs (323-389) .....	45	4	5	1	4	3	2	6	3	5	4	4	4
Acute upper respiratory infections (460-465) .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491) .....	3	2	1	-	-	-	-	-	-	-	-	-	-
Pneumonia and influenza (480-487) .....	124	10	11	16	4	11	13	9	8	11	8	10	13
Pneumonia (480-486) .....	124	10	11	16	4	11	13	9	8	11	8	10	13
Influenza (487) .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519) .....	54	6	1	3	3	5	11	4	3	7	3	6	2
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	30	4	2	1	2	2	4	2	3	5	1	3	1
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	15	2	3	-	2	1	-	1	2	3	1	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	36	3	4	5	4	2	1	1	4	5	3	2	2
Congenital anomalies (740-759) .....	5,887	489	423	449	466	487	616	530	550	508	511	473	487
Anencephalus and similar anomalies (740) .....	518	43	43	27	45	49	49	61	44	41	35	33	46
Spina bifida (741) .....	47	4	5	4	5	2	3	8	4	6	2	3	1
Congenital hydrocephalus (742.3) .....	86	11	7	8	5	10	4	4	10	7	5	7	8
Other congenital anomalies of central nervous system and eyes (742.0-742.2,742.4-742.9,743) .....	193	14	17	17	15	19	12	17	16	13	24	16	13
Congenital anomalies of heart (745-746) .....	1,471	122	102	105	107	119	125	134	160	133	131	114	119
Other congenital anomalies of circulatory system (747) .....	425	35	31	34	37	38	40	45	37	30	33	26	39
Congenital anomalies of respiratory system (748) .....	1,006	91	79	78	78	85	100	77	95	79	84	83	77
Congenital anomalies of digestive system (749-751) .....	55	7	3	6	6	2	3	10	5	3	4	2	4
Congenital anomalies of genitourinary system (752-753) .....	470	37	30	32	45	42	44	42	37	40	36	46	39
Congenital anomalies of musculoskeletal system (754-756) .....	537	38	41	49	34	39	47	37	47	64	55	44	42
Down's syndrome (758.0) .....	46	5	6	2	4	-	3	6	5	5	3	3	4
Other chromosomal anomalies (758.1-758.9) .....	555	39	33	47	46	35	47	46	51	47	48	63	53
All other and unspecified congenital anomalies (744,757,759) .....	480	43	28	40	39	47	39	43	39	38	51	33	42
Certain conditions originating in the perinatal period (760-779) .....	16,942	1,274	1,255	1,432	1,380	1,518	1,491	1,518	1,451	1,464	1,408	1,413	1,398
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	137	7	13	14	10	12	8	16	15	8	10	16	8
Newborn affected by maternal complications of pregnancy (761) .....	1,402	90	104	113	124	195	118	111	150	113	131	108	107
Newborn affected by complications of placenta, cord, and membranes (762) .....	899	69	54	80	77	92	58	82	53	88	77	88	81
Newborn affected by other complications of labor and delivery (763) .....	58	3	2	8	5	6	4	10	8	1	3	5	3
Slow fetal growth and fetal malnutrition (764) .....	36	2	2	5	5	2	2	5	1	2	3	-	7
Disorders relating to short gestation and unspecified low birthweight (765) .....	3,198	258	216	283	282	291	254	292	263	285	272	275	267
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	209	17	19	23	17	20	26	14	19	18	11	14	11
Intrauterine hypoxia and birth asphyxia (768) .....	724	79	59	62	59	64	51	64	44	70	64	49	59
Fetal distress in liveborn infant (768.2-768.4) .....	178	14	13	12	12	13	15	14	13	22	20	12	18
Birth asphyxia (768.5-768.9) .....	546	65	46	50	47	51	36	50	31	48	44	37	41
Respiratory distress syndrome (769) .....	2,958	225	244	242	251	266	251	254	222	262	231	265	245
Other respiratory conditions of newborn (770) .....	3,008	185	221	283	260	257	268	279	262	235	263	250	265
Infections specific to the perinatal period (771) .....	833	68	70	61	62	73	86	75	100	52	63	55	78
Neonatal hemorrhage (772) .....	921	30	29	26	28	19	20	33	30	31	33	27	15
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	39	2	1	4	2	2	5	5	8	3	2	1	4
Syndromes of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	8	-	-	1	2	1	1	2	1	-	-	-	-
Hemorrhagic disease of newborn (776.0) .....	3	-	-	-	1	-	-	-	1	-	-	1	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	3,109	239	221	267	225	278	279	276	274	296	245	261	248
Symptoms, signs, and ill-defined conditions (780-799) .....	587	42	46	53	31	37	52	55	40	48	51	64	66
Sudden infant death syndrome (798.0) .....	368	24	30	35	19	28	34	39	26	30	30	30	43
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799) .....	219	18	18	18	12	9	18	16	14	18	21	34	23
Accidents and adverse effects (E800-E949) .....	74	1	6	7	7	3	5	13	9	3	8	7	5
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	7	-	-	-	-	1	1	2	2	-	-	-	1
Accidental mechanical suffocation (E913) .....	11	-	1	1	1	1	-	1	2	-	-	4	-
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	56	1	5	6	6	1	4	10	5	3	8	3	4
Homicide (E960-E969) .....	60	11	2	6	7	8	3	2	3	4	8	1	5
Child battering and other maltreatment (E967) .....	8	1	-	2	2	1	-	-	1	1	-	-	-
Other homicide (E960-E966,E968-E969) .....	52	10	2	4	6	7	3	2	2	3	8	1	5
All other causes (Residual) .....	682	55	50	55	67	45	50	46	71	64	52	54	53

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Table 2-14. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Month: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix.]

Cause of death and age	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
28 days-11 months - All causes	14,220	1,504	1,353	1,297	1,096	1,062	995	962	929	1,052	1,258	1,304	1,408
Certain intestinal infections (008-009)	82	6	8	7	7	6	9	7	12	2	9	3	6
Whooping cough (033)	4	-	2	-	-	-	-	1	-	-	-	1	-
Meningococcal infection (036)	67	7	10	8	6	8	3	3	3	3	7	6	3
Septicemia (038)	245	23	22	20	14	17	27	22	15	26	26	14	19
Viral diseases (045-079)	80	13	11	7	8	8	8	1	3	4	5	5	7
Congenital syphilis (090)	3	-	-	1	1	-	-	-	-	-	1	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-044,080-088,091-139)	193	17	17	14	12	9	18	11	13	20	21	25	16
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	77	11	7	8	3	4	3	12	2	7	11	7	2
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	30	4	4	3	3	2	3	1	2	3	3	2	-
Diseases of thymus gland (254)	5	1	-	1	-	-	-	-	-	1	-	-	2
Cystic fibrosis (277.0)	7	1	2	2	1	1	1	-	-	-	-	-	1
Diseases of blood and blood-forming organs (280-289)	53	8	4	2	2	5	2	2	4	4	1	7	9
Meningitis (320-322)	167	20	18	16	18	10	13	8	13	10	14	12	15
Other diseases of nervous system and sense organs (323-389)	409	41	39	40	30	41	49	29	16	29	26	32	37
Acute upper respiratory infections (460-465)	43	7	5	3	6	-	2	3	2	2	3	2	8
Bronchitis and bronchiolitis (466,490-491)	112	22	15	15	9	2	6	1	2	6	10	9	15
Pneumonia and influenza (480-487)	517	81	73	58	46	40	31	32	24	27	34	35	38
Pneumonia (480-486)	511	81	70	57	46	39	31	32	24	27	34	35	35
Influenza (487)	6	-	3	1	-	1	-	-	-	-	-	-	1
Remainder of diseases of respiratory system (470-478,492-519)	366	46	38	41	29	25	20	29	22	27	27	36	28
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	47	6	4	9	3	4	1	3	6	2	4	2	3
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	86	8	6	8	10	6	5	2	7	8	12	7	7
Remainder of diseases of digestive system (520-534,536-543,562-579)	167	16	26	11	9	9	12	9	15	17	14	13	16
Congenital anomalies (740-759)	2,254	201	165	200	170	170	171	178	173	185	221	186	234
Anencephalus and similar anomalies (740)	17	2	4	-	-	2	3	-	1	1	-	2	2
Spina bifida (741)	22	3	2	1	1	2	2	1	-	2	2	3	3
Congenital hydrocephalus (742.3)	85	4	4	15	7	6	4	4	8	8	8	5	12
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	140	14	9	12	15	6	13	12	10	7	12	12	18
Congenital anomalies of heart (745-746)	1,111	97	82	103	76	86	88	94	85	78	113	100	109
Other congenital anomalies of circulatory system (747)	159	14	10	11	15	12	9	12	17	18	13	8	20
Congenital anomalies of respiratory system (748)	103	6	2	7	8	9	9	9	6	14	15	11	7
Congenital anomalies of digestive system (749-751)	52	5	7	2	9	2	7	-	4	5	4	1	6
Congenital anomalies of genitourinary system (752-753)	35	4	3	3	3	2	4	1	4	5	3	1	2
Congenital anomalies of musculoskeletal system (754-756)	64	5	6	5	4	2	2	4	3	10	4	9	10
Down's syndrome (758.0)	73	9	5	6	6	7	4	4	5	6	8	5	8
Other chromosomal anomalies (758.1-758.9)	240	19	17	22	15	22	12	24	19	20	24	21	25
All other and unspecified congenital anomalies (744,757,759)	153	19	14	13	11	12	14	13	11	11	15	8	12
Certain conditions originating in the perinatal period (760-779)	1,094	95	82	86	76	99	81	83	90	110	100	103	89
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	10	-	2	1	1	-	1	-	1	1	1	1	1
Newborn affected by maternal complications of pregnancy (761)	9	-	-	-	-	-	-	-	4	1	1	-	3
Newborn affected by complications of placenta, cord, and membranes (762)	8	-	1	2	1	-	1	-	-	2	-	1	-
Newborn affected by other complications of labor and delivery (763)	2	-	-	-	-	-	-	-	-	-	-	1	1
Slow fetal growth and fetal malnutrition (764)	2	-	-	-	-	-	-	-	-	1	-	1	-
Disorders relating to short gestation and unspecified low birthweight (765)	70	9	7	2	3	6	7	7	5	7	6	7	4
Disorders relating to long gestation and high birthweight (766)	7	1	1	1	1	-	-	-	-	-	1	1	-
Birth trauma (767)	7	1	1	1	1	-	-	-	-	-	1	1	-
Intrauterine hypoxia and birth asphyxia (768)	53	4	5	6	1	4	4	3	2	9	4	3	8
Fetal distress in liveborn infant (768.2-768.4)	15	1	2	3	1	-	-	-	1	3	1	-	9
Birth asphyxia (768.5-768.9)	38	3	3	3	-	4	4	3	1	6	3	3	5
Respiratory distress syndrome (769)	223	21	14	20	23	14	17	13	18	27	12	22	22
Other respiratory conditions of newborn (770)	560	47	45	43	40	61	44	55	48	46	55	55	43
Infections specific to the perinatal period (771)	45	5	3	6	4	7	1	3	4	4	4	3	1
Neonatal hemorrhage (772)	3	-	-	-	-	-	-	1	-	1	-	-	1
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	6	-	-	2	-	-	-	-	-	-	2	2	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-778)	76	8	4	3	2	6	6	1	10	11	14	8	5
Symptoms, signs, and ill-defined conditions (780-799)	5,899	668	618	543	465	417	366	328	302	377	543	597	675
Sudden infant death syndrome (798.0)	5,108	597	543	477	414	361	304	285	268	322	455	506	576
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799)	791	71	75	66	51	56	62	43	34	55	88	91	99
Accidents and adverse effects (E800-E949)	862	67	62	75	64	75	67	97	81	67	67	68	72
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	138	15	10	7	9	16	19	10	9	7	10	12	15
Accidental mechanical suffocation (E913)	187	12	10	13	11	15	17	29	17	18	18	10	17
Other accidental causes and adverse effects (E800-E910,E914-E949)	537	40	42	55	44	44	32	58	55	42	39	46	40
Homicide (E960-E969)	255	31	25	26	20	15	17	18	23	22	25	22	11
Child battering and other maltreatment (E967)	100	15	10	7	10	7	5	6	9	11	5	10	6
Other homicide (E960-E966,E968-E969)	155	16	15	19	10	8	12	12	14	11	20	12	8
All other causes (Residual)	1,098	105	93	93	84	89	77	82	99	93	74	110	97

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Table 2-15. Deaths Under 1 Year and Under 28 Days, From 61 Selected Causes, by Race, for Population-Size Groups in Metropolitan and Nonmetropolitan Counties: United States, 1988

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix. "All other infants" includes "Black infants." Urban places in metropolitan counties are those with populations of 10,000 or more; urban places in nonmetropolitan counties are those with populations of 10,000 or more but less than 50,000 as enumerated in 1980. For definition of areas see Technical Appendix]

Cause of death, age, and race	All counties			Metropolitan counties			Nonmetropolitan counties		
	Total	Urban places	Balance of area	Total	Urban places	Balance of area	Total	Urban places	Balance of area
All infants under 1 year									
All causes	38,910	24,713	14,197	30,622	22,769	7,853	8,288	1,944	6,344
Certain intestinal infections (009-009)	85	61	24	66	53	13	19	8	11
Whooping cough (033)	4	2	2	2	2	-	2	-	2
Meningococcal infection (036)	72	47	25	51	43	8	21	4	17
Septicemia (038)	245	154	91	192	144	48	53	10	43
Viral diseases (045-079)	110	70	40	80	59	21	30	11	19
Congenital syphilis (090)	17	15	2	17	15	2	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-*044, 080-088, 091-139)	207	153	54	169	143	26	38	10	28
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-209)	89	51	38	66	46	20	23	5	18
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	60	39	21	46	35	11	14	4	10
Diseases of thymus gland (254)	5	1	4	2	1	1	3	-	3
Cystic fibrosis (277.0)	10	5	5	8	5	3	2	-	2
Diseases of blood and blood-forming organs (280-289)	75	48	27	61	46	15	14	2	12
Meningitis (320-322)	205	128	77	142	111	31	63	17	46
Other diseases of nervous system and sense organs (323-369)	454	279	175	353	256	97	101	23	78
Acute upper respiratory infections (460-465)	43	18	25	23	15	8	20	3	17
Bronchitis and bronchiolitis (466,490-491)	115	80	35	89	75	14	16	5	11
Pneumonia and influenza (480-487)	641	413	228	501	382	119	140	31	109
Pneumonia (480-486)	635	409	226	498	379	119	137	30	107
Influenza (487)	6	4	2	3	3	-	3	1	2
Remainder of diseases of respiratory system (470-478, 492-510)	420	264	156	309	232	77	111	32	79
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	77	44	33	53	40	13	24	4	20
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	101	62	39	75	58	17	26	4	22
Remainder of diseases of digestive system (520-534,536-543,562-579)	203	135	68	159	121	38	44	14	30
Congenital anomalies (740-759)	8,141	4,856	3,285	6,266	4,444	1,822	1,875	412	1,463
Anencephalus and similar anomalies (740)	539	308	231	409	283	126	124	25	99
Spina bifida (741)	69	44	25	48	37	11	21	7	14
Congenital hydrocephalus (742.3)	171	111	60	137	100	37	34	11	23
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	339	186	147	252	167	85	81	19	62
Congenital anomalies of heart (745-746)	2,582	1,521	1,061	1,983	1,390	573	619	131	488
Other congenital anomalies of circulatory system (747)	584	362	222	463	332	131	121	30	91
Congenital anomalies of respiratory system (748)	1,109	712	397	877	658	219	232	54	178
Congenital anomalies of digestive system (749-751)	107	74	33	84	67	17	23	7	16
Congenital anomalies of genitourinary system (752-753)	505	285	220	370	261	109	135	24	111
Congenital anomalies of musculoskeletal system (754-756)	601	357	244	468	334	134	133	23	110
Down's syndrome (758.0)	119	70	49	98	66	32	21	4	17
Other chromosomal anomalies (758.1-758.9)	795	453	342	612	416	197	183	38	145
All other and unspecified congenital anomalies (744,757,759)	633	373	260	485	334	151	148	39	109
Certain conditions originating in the perinatal period (760-779)	18,036	11,923	6,113	14,659	11,113	3,546	3,377	610	2,567
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	147	88	49	114	93	21	33	5	28
Newborn affected by maternal complications of pregnancy (761)	1,411	922	489	1,154	849	305	257	73	184
Newborn affected by complications of placenta, cord, and membranes (762)	907	571	336	706	518	188	201	53	148
Newborn affected by other complications of labor and delivery (763)	60	35	25	41	31	10	19	4	15
Slow fetal growth and fetal malnutrition (764)	38	23	15	29	21	8	9	2	7
Disorders relating to short gestation and unspecified low birthweight (765)	3,268	2,187	1,081	2,713	2,066	647	555	121	434
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-
Birth trauma (767)	216	135	81	172	123	49	44	12	32
Intrauterine hypoxia and birth asphyxia (768)	777	465	312	615	432	183	162	33	129
Fetal distress in liveborn infant (768.2-768.4)	193	109	84	151	89	62	42	10	32
Birth asphyxia (768.5-768.9)	584	356	228	464	333	131	120	23	97
Respiratory distress syndrome (769)	3,181	2,087	1,084	2,519	1,916	603	662	181	481
Other respiratory conditions of newborn (770)	3,588	2,365	1,223	2,870	2,213	657	718	152	566
Infections specific to the perinatal period (771)	878	565	313	703	523	180	175	42	133
Neonatal hemorrhage (772)	324	215	109	271	204	67	53	11	42
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	45	31	14	36	27	9	9	4	5
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	8	3	5	5	3	2	3	-	3
Hemorrhagic disease of newborn (776.0)	3	3	-	3	3	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	3,185	2,208	977	2,708	2,091	617	477	117	360
Symptoms, signs, and ill-defined conditions (780-789)	6,486	4,014	2,472	4,982	3,689	1,313	1,504	345	1,159
Sudden infant death syndrome (798.0)	5,476	3,269	2,207	4,107	2,957	1,150	1,369	312	1,057
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799)	1,010	745	265	875	712	163	135	33	102
Accidents and adverse effects (E800-E949)	936	516	420	641	454	187	295	62	233
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E811-E912)	145	61	84	79	51	28	66	10	56
Accidental mechanical suffocation (E913)	188	128	70	143	110	33	55	18	37
Other accidental causes and adverse effects (E800-E910, E914-E949)	593	327	266	419	293	126	174	34	140
Homicide (E960-E989)	315	222	93	260	207	53	55	15	40
Child battering and other maltreatment (E967)	109	65	42	88	61	25	22	5	17
Other homicide (E960-E966, E968-E969)	207	156	51	174	146	28	33	10	23
All other causes (Residual)	1,758	1,113	645	1,340	1,000	340	418	113	305

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Table 2-15. Deaths Under 1 Year and Under 28 Days, From 61 Selected Causes, by Race, for Population-Size Groups in Metropolitan and Nonmetropolitan Counties: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix. "All other infants" includes "Black infants." Urban places in metropolitan counties are those with populations of 10,000 or more; urban places in nonmetropolitan counties are those with populations of 10,000 or more but less than 50,000 as enumerated in 1980. For definition of areas see Technical Appendix]

Cause of death, age, and race	All counties			Metropolitan counties			Nonmetropolitan counties		
	Total	Urban places	Balance of area	Total	Urban places	Balance of area	Total	Urban places	Balance of area
<b>White infants under 1 year</b>									
All causes	25,925	14,671	11,254	19,753	13,291	6,462	6,172	1,380	4,792
Certain intestinal infections (008-009)	45	32	13	35	28	7	10	4	6
Whooping cough (033)	3	1	2	1	1	—	2	—	2
Meningococcal infection (036)	54	31	23	35	28	7	19	3	16
Septicemia (038)	155	85	70	116	76	40	39	9	30
Viral diseases (045-079)	80	48	32	56	39	17	24	9	15
Congenital syphilis (090)	4	3	1	4	3	1	—	—	—
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-*044, 080-083, 091-139)	111	79	38	84	66	18	27	7	20
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	70	36	34	50	32	18	20	4	16
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	53	34	19	40	30	10	13	4	9
Diseases of thymus gland (254)	4	—	4	1	—	1	3	—	3
Cystic fibrosis (277.0)	9	4	5	7	4	3	2	—	2
Diseases of blood and blood-forming organs (280-289)	47	28	19	36	27	9	11	1	10
Meningitis (320-322)	135	79	56	93	70	23	42	9	33
Other diseases of nervous system and sense organs (323-389)	334	183	151	250	162	88	84	21	63
Acute upper respiratory infections (460-465)	24	9	15	13	6	7	11	3	8
Bronchitis and bronchiolitis (466,490-491)	73	45	28	60	40	20	13	5	8
Pneumonia and influenza (480-487)	387	218	169	296	201	95	91	17	74
Pneumonia (480-486)	384	216	168	294	199	95	90	17	73
Influenza (487)	3	2	1	2	2	—	1	—	1
Remainder of diseases of respiratory system (470-478,492-519)	262	142	120	188	126	62	74	16	58
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	49	22	27	30	19	11	19	3	16
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	57	34	23	43	31	12	14	3	11
Remainder of diseases of digestive system (520-534,536-543,562-579)	135	82	53	103	72	31	32	10	22
Congenital anomalies (740-759)	6,442	3,576	2,866	4,881	3,247	1,634	1,561	329	1,232
Anencephalus and similar anomalies (740)	449	245	204	339	224	115	110	21	89
Spina bifida (741)	54	33	21	38	28	10	16	5	11
Congenital hydrocephalus (742.0)	130	76	54	103	68	35	27	8	19
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	265	144	121	196	125	71	69	9	50
Congenital anomalies of heart (745-748)	2,062	1,137	925	1,547	1,032	515	515	105	410
Other congenital anomalies of circulatory system (747)	425	240	185	330	218	112	95	22	73
Congenital anomalies of respiratory system (748)	856	516	340	672	473	199	184	43	141
Congenital anomalies of digestive system (749-751)	72	43	29	55	39	17	16	4	12
Congenital anomalies of genitourinary system (752-753)	428	226	202	306	205	101	122	21	101
Congenital anomalies of musculoskeletal system (754-756)	488	267	221	368	247	121	120	20	100
Down's syndrome (758.0)	80	54	26	74	50	24	19	4	15
Other chromosomal anomalies (758.1-758.9)	637	343	294	490	312	178	147	31	116
All other and unspecified congenital anomalies (744,757,759)	486	252	234	362	225	136	124	26	98
Certain conditions originating in the perinatal period (760-779)	11,060	6,470	4,590	8,701	5,933	2,768	2,359	537	1,822
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	83	52	31	61	47	14	22	5	17
Newborn affected by maternal complications of pregnancy (761)	875	509	366	699	458	235	182	51	131
Newborn affected by complications of placenta, cord, and membranes (762)	615	343	272	464	306	158	151	37	114
Newborn affected by other complications of labor and delivery (763)	40	19	21	25	16	9	15	3	12
Slow fetal growth and fetal malnutrition (764)	20	8	12	14	7	7	6	1	5
Disorders relating to short gestation and unspecified low birthweight (765)	1,726	986	740	1,372	918	454	354	68	286
Disorders relating to long gestation and high birthweight (766)	—	—	—	—	—	—	—	—	—
Birth trauma (767)	148	80	68	114	72	42	34	8	26
Intrauterine hypoxia and birth asphyxia (768)	527	280	247	409	255	154	118	25	93
Fetal distress in liveborn infant (768.2-768.4)	132	69	63	102	60	42	30	9	21
Birth asphyxia (768.5-768.9)	395	211	184	307	195	112	88	16	72
Respiratory distress syndrome (769)	2,148	1,281	867	1,652	1,151	501	496	130	366
Other respiratory conditions of newborn (770)	2,269	1,341	928	1,763	1,240	523	508	101	405
Infections specific to the perinatal period (771)	574	327	247	448	303	145	126	24	102
Neonatal hemorrhage (772)	198	113	85	158	105	53	40	8	32
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	34	22	12	27	18	8	7	3	4
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	7	3	4	5	3	2	2	—	2
Hemorrhagic disease of newborn (776.0)	1	1	—	1	1	—	—	—	—
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	1,795	1,105	690	1,495	1,032	463	300	73	227
Symptoms, signs, and ill-defined conditions (780-799)	4,342	2,368	1,974	3,202	2,107	1,095	1,140	261	879
Sudden infant death syndrome (798.0)	3,771	1,988	1,773	2,731	1,765	966	1,040	233	807
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799)	571	370	201	471	342	129	100	28	72
Accidents and adverse effects (E800-E949)	638	303	335	412	257	155	226	46	180
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	85	31	54	49	26	23	46	5	41
Accidental mechanical suffocation (E913)	120	63	57	74	49	25	46	14	32
Other accidental causes and adverse effects (E800-E910,E914-E949)	423	209	214	289	182	107	134	27	107
Homicide (E960-E969)	180	106	74	141	96	45	39	10	29
Child battering and other maltreatment (E967)	71	36	35	54	33	21	17	3	14
Other homicide (E960-E966,E968-E969)	109	70	39	87	63	24	22	7	15
All other causes (Residual)	1,172	659	513	875	590	285	297	69	228

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Table 2-15. Deaths Under 1 Year and Under 28 Days, From 61 Selected Causes, by Race, for Population-Size Groups in Metropolitan and Nonmetropolitan Counties: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix. "All other infants" includes "Black infants." Urban places in metropolitan counties are those with populations of 10,000 or more; urban places in nonmetropolitan counties are those with populations of 10,000 or more but less than 50,000 as enumerated in 1980. For definition of areas see Technical Appendix.]

Cause of death, age, and race	All counties			Metropolitan counties			Nonmetropolitan counties		
	Total	Urban places	Balance of area	Total	Urban places	Balance of area	Total	Urban places	Balance of area
All other infants under 1 year									
All causes .....	12,985	10,042	2,943	10,869	9,478	1,391	2,116	564	1,552
Certain intestinal infections (008-009) .....	40	29	11	31	25	6	9	4	5
Whooping cough (033) .....	1	1	-	1	-	-	-	-	-
Meningococcal infection (036) .....	18	16	2	16	15	1	2	1	1
Septicemia (036) .....	90	69	21	76	68	8	14	1	13
Viral diseases (045-079) .....	30	22	8	24	20	4	6	2	4
Congenital syphilis (090) .....	13	12	1	13	12	1	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-*044, 080-088, 091-139) .....	96	80	16	85	77	8	11	3	8
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	19	15	4	16	14	2	3	1	2
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	7	5	2	6	5	1	1	-	1
Diseases of thymus gland (254) .....	1	1	-	1	1	-	-	-	-
Cystic fibrosis (277.0) .....	1	1	-	1	1	-	-	-	-
Diseases of blood and blood-forming organs (280-289) .....	28	20	8	25	19	6	3	1	2
Meningitis (320-322) .....	70	49	21	49	41	8	21	8	13
Other diseases of nervous system and sense organs (323-389) .....	120	96	24	103	84	19	17	2	15
Acute upper respiratory infections (460-465) .....	19	9	10	10	9	1	9	-	9
Bronchitis and bronchiolitis (465,480-491) .....	42	35	7	39	35	4	3	-	3
Pneumonia and influenza (480-487) .....	254	195	59	205	181	24	49	14	35
Pneumonia (480-486) .....	251	193	58	204	180	24	47	13	34
Influenza (487) .....	3	2	1	1	1	-	2	1	1
Remainder of diseases of respiratory system (470-478,492-519) .....	158	122	36	121	106	15	37	16	21
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	28	22	6	23	21	2	5	1	4
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	44	28	16	32	27	5	12	1	11
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	68	53	15	56	49	7	12	4	8
Congenital anomalies (740-759) .....	1,699	1,280	419	1,385	1,197	188	314	89	231
Anencephalus and similar anomalies (740) .....	84	63	21	70	59	11	14	4	10
Spina bifida (741) .....	15	11	4	10	9	1	5	2	3
Congenital hydrocephalus (742.3) .....	41	35	6	34	32	2	7	3	4
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	68	42	26	56	42	14	12	-	12
Congenital anomalies of heart (745-746) .....	520	384	136	416	358	58	104	26	78
Other congenital anomalies of circulatory system (747) .....	159	122	37	133	114	19	26	8	18
Congenital anomalies of respiratory system (748) .....	253	196	57	205	185	20	48	11	37
Congenital anomalies of digestive system (749-751) .....	35	31	4	28	28	-	7	3	4
Congenital anomalies of genitourinary system (752-753) .....	77	59	18	64	56	8	13	3	10
Congenital anomalies of musculoskeletal system (754-756) .....	113	90	23	100	87	13	13	3	10
Down's syndrome (759.0) .....	29	16	13	24	16	8	5	7	5
Other chromosomal anomalies (759.1-759.9) .....	158	110	48	122	103	19	36	7	29
All other and unspecified congenital anomalies (744,757,759) .....	147	121	26	123	108	15	24	13	11
Certain conditions originating in the perinatal period (760-779) .....	6,976	5,453	1,523	5,958	5,180	778	1,018	273	745
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	64	46	18	53	46	7	11	-	11
Newborn affected by maternal complications of pregnancy (761) .....	536	413	123	461	391	70	75	22	53
Newborn affected by complications of placenta, cord, and membranes (762) .....	292	228	64	242	212	30	50	16	34
Newborn affected by other complications of labor and delivery (763) .....	20	16	4	16	15	1	4	1	3
Slow fetal growth and fetal malnutrition (764) .....	18	15	3	15	14	1	3	1	2
Disorders relating to short gestation and unspecified low birthweight (765) .....	1,542	1,201	341	1,341	1,148	193	201	53	148
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	68	55	13	58	51	7	10	4	6
Intrauterine hypoxia and birth asphyxia (769) .....	250	185	65	206	177	29	44	8	36
Fetal distress in liveborn infant (768.2-768.4) .....	61	40	21	49	39	10	12	1	11
Birth asphyxia (768.5-768.9) .....	189	145	44	157	138	19	32	7	25
Respiratory distress syndrome (769) .....	1,033	816	217	867	765	102	166	51	115
Other respiratory conditions of newborn (770) .....	1,319	1,024	295	1,107	973	134	212	51	161
Infections specific to the perinatal period (771) .....	304	238	66	255	220	35	49	18	31
Neonatal hemorrhage (772) .....	126	102	24	113	99	14	13	3	10
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	11	9	2	9	8	1	2	1	1
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	1	-	1	-	-	-	1	-	1
Hemorrhagic disease of newborn (776.0) .....	2	2	-	2	2	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	1,390	1,103	287	1,213	1,059	154	177	44	133
Symptoms, signs, and ill-defined conditions (780-799) .....	2,144	1,646	498	1,780	1,562	218	364	84	280
Sudden infant death syndrome (788.0) .....	1,705	1,271	434	1,376	1,192	184	329	79	250
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799) .....	439	375	64	404	370	34	35	5	30
Accidents and adverse effects (E800-E949) .....	298	213	85	229	197	32	69	16	53
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	50	30	20	30	25	5	20	5	15
Accidental mechanical suffocation (E913) .....	78	65	13	69	61	8	9	4	5
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	170	118	52	130	111	19	40	7	33
Homicide (E960-E969) .....	135	116	19	119	111	8	16	5	11
Child battering and other maltreatment (E967) .....	37	30	7	32	28	4	5	2	3
Other homicide (E960-E966,E968-E969) .....	98	86	12	87	83	4	11	3	8
All other causes (Residual) .....	586	454	132	465	410	55	121	44	77



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Table 2-15. Deaths Under 1 Year and Under 28 Days, From 61 Selected Causes, by Race, for Population-Size Groups in Metropolitan and Nonmetropolitan Counties: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix. "All other infants" includes "Black infants." Urban places in metropolitan counties are those with populations of 10,000 or more; urban places in nonmetropolitan counties are those with populations of 10,000 or more but less than 50,000 as enumerated in 1980. For definition of areas see Technical Appendix.]

Cause of death, age, and race	All counties			Metropolitan counties			Nonmetropolitan counties		
	Total	Urban places	Balance of area	Total	Urban places	Balance of area	Total	Urban places	Balance of area
<b>Black infants under 1 year</b>									
All causes	11,840	9,392	2,508	10,061	8,815	1,246	1,779	517	1,262
Certain intestinal infections (008-009)	39	28	11	30	24	6	9	4	5
Whooping cough (033)	1	1	-	1	1	-	-	-	-
Meningococcal infection (036)	16	15	1	15	14	1	1	1	-
Septicemia (038)	82	65	17	72	64	8	10	1	9
Viral diseases (045-079)	25	20	5	21	18	3	4	2	2
Congenital syphilis (090)	13	12	1	13	12	1	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-044, 080-088, 091-139)	94	79	15	84	76	8	10	3	7
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	18	14	4	15	13	2	3	1	2
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	4	2	2	3	2	1	1	-	1
Diseases of thymus gland (254)	1	1	-	1	1	-	-	-	-
Cystic fibrosis (277.0)	1	1	-	1	1	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	19	12	7	17	12	5	2	-	2
Meningitis (320-322)	62	45	17	46	39	7	16	6	10
Other diseases of nervous system and sense organs (323-389)	104	86	18	90	84	6	14	2	12
Acute upper respiratory infections (460-465)	16	8	8	9	8	1	7	-	7
Bronchitis and bronchiolitis (466, 470-491)	37	31	6	35	31	4	4	-	2
Pneumonia and influenza (480-487)	224	183	41	192	171	21	32	12	20
Pneumonia (480-486)	222	181	41	191	170	21	31	11	20
Influenza (487)	2	2	-	1	1	-	1	1	-
Remainder of diseases of respiratory system (470-478, 492-519)	135	109	26	108	94	14	27	15	12
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553, 560)	27	21	6	22	20	2	5	1	4
Gastritis, duodenitis, and noninfective enteritis and colitis (535, 555-558)	40	28	12	32	27	5	8	1	7
Remainder of diseases of digestive system (520-534, 536-543, 562-579)	63	51	12	53	47	6	10	4	6
Congenital anomalies (740-759)	1,410	1,077	333	1,161	1,004	157	249	73	176
Anencephalus and similar anomalies (740)	62	46	16	52	43	9	10	3	7
Spina bifida (741)	14	10	4	10	9	1	4	1	3
Congenital hydrocephalus (742.5)	36	30	6	29	27	2	7	3	4
Other congenital anomalies of central nervous system and eye (742.0-742.2, 742.4-742.9, 743)	55	34	21	46	34	12	9	-	9
Congenital anomalies of heart (745-746)	434	329	105	352	307	45	82	22	60
Other congenital anomalies of circulatory system (747)	138	107	31	116	100	16	22	7	15
Congenital anomalies of respiratory system (748)	217	168	49	176	158	18	41	10	31
Congenital anomalies of digestive system (749-751)	26	24	2	21	21	-	5	3	2
Congenital anomalies of genitourinary system (752-753)	64	51	13	55	48	7	9	3	6
Congenital anomalies of musculoskeletal system (754-756)	89	72	17	79	69	10	10	3	7
Down's syndrome (758.0)	24	14	10	20	14	6	4	-	4
Other chromosomal anomalies (758.1-758.9)	127	90	37	100	83	17	27	7	20
All other and unspecified congenital anomalies (744, 757, 759)	124	102	22	105	91	14	19	11	8
Certain conditions originating in the perinatal period (760-779)	6,566	5,181	1,385	5,644	4,925	719	922	256	666
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	57	43	14	50	43	7	7	-	7
Newborn affected by maternal complications of pregnancy (761)	509	395	114	440	375	65	69	20	49
Newborn affected by complications of placenta, cord, and membranes (762)	268	210	58	222	195	27	46	15	31
Newborn affected by other complications of labor and delivery (763)	18	15	3	14	14	-	4	1	3
Slow fetal growth and fetal malnutrition (764)	18	15	3	15	14	1	3	1	2
Disorders relating to short gestation and unspecified low birthweight (765)	1,478	1,157	321	1,290	1,107	183	188	50	138
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-
Birth trauma (767)	59	51	8	53	48	5	6	3	3
Intrauterine hypoxia and birth asphyxia (768)	232	175	57	192	167	25	40	8	32
Fetal distress in liveborn infant (768.2-768.4)	56	39	18	45	37	8	11	1	10
Birth asphyxia (768.5-768.9)	176	137	39	147	130	17	29	7	22
Respiratory distress syndrome (769)	957	760	197	807	712	95	150	48	102
Other respiratory conditions of newborn (770)	1,241	976	265	1,048	927	121	193	49	144
Infections specific to the perinatal period (771)	278	225	54	236	208	28	43	17	26
Neonatal hemorrhage (772)	116	95	21	104	92	12	12	3	9
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	10	8	2	9	8	1	1	-	1
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	1	-	1	-	-	-	1	-	1
Hemorrhagic disease of newborn (776.0)	2	2	-	2	2	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9, 776.1-779)	1,321	1,054	267	1,162	1,013	149	169	41	118
Symptoms, signs, and ill-defined conditions (780-799)	1,918	1,533	385	1,639	1,458	181	279	75	204
Sudden infant death syndrome (798.0)	1,520	1,184	336	1,286	1,113	153	254	71	183
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799)	398	349	49	373	345	28	25	4	21
Accidents and adverse effects (E800-E949)	281	204	77	220	188	32	61	18	45
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	48	30	18	30	25	5	18	5	13
Accidental mechanical suffocation (E913)	72	61	11	65	57	8	7	4	3
Other accidental causes and adverse effects (E800-E910, E914-E949)	161	113	48	125	106	19	36	7	29
Homicide (E960-E969)	127	112	15	115	107	8	12	5	7
Child battering and other maltreatment (E967)	34	29	5	31	27	4	3	2	1
Other homicide (E960-E966, E969-E969)	93	83	10	84	80	4	9	3	6
All other causes (Residual)	517	413	104	422	374	48	95	39	56

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Table 2-15. Deaths Under 1 Year and Under 28 Days, From 61 Selected Causes, by Race, for Population-Size Groups in Metropolitan and Nonmetropolitan Counties: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix. "All other infants" includes "Black infants." Urban places in metropolitan counties are those with populations of 10,000 or more; urban places in nonmetropolitan counties are those with populations of 10,000 or more but less than 50,000 as enumerated in 1980. For definition of areas see Technical Appendix.]

Cause of death, age, and race	All counties			Metropolitan counties			Nonmetropolitan counties		
	Total	Urban places	Balance of area	Total	Urban places	Balance of area	Total	Urban places	Balance of area
All infants under 28 days									
All causes	24,690	15,921	8,769	19,771	14,763	5,008	4,919	1,158	3,761
Certain intestinal infections (008-009)	3	2	1	2	2	-	1	-	1
Whooping cough (033)	5	2	3	3	2	1	2	-	2
Meningococcal infection (036)	5	2	3	3	2	1	2	-	2
Septicemia (038)	5	2	3	3	2	1	2	-	2
Viral diseases (045-079)	30	21	9	21	17	4	9	4	5
Congenital syphilis (090)	14	13	1	14	13	1	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-*044, 080-088, 091-130)	14	6	8	8	6	2	6	-	6
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	12	6	6	10	6	4	2	-	2
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	30	17	13	21	14	7	9	3	6
Diseases of thyroid gland (254)	3	-	3	-	-	-	-	-	-
Cystic fibrosis (277.0)	3	1	2	2	1	1	1	-	1
Diseases of blood and blood-forming organs (280-289)	22	15	7	17	14	3	5	1	4
Meningitis (320-322)	38	20	18	25	18	8	12	2	10
Other diseases of nervous system and sense organs (323-389)	45	21	24	32	19	13	13	2	11
Acute upper respiratory infections (460-465)	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466, 490-491)	3	3	-	3	3	-	-	-	-
Pneumonia and influenza (480-487)	124	85	39	105	81	24	19	4	15
Pneumonia (480-486)	124	85	39	105	81	24	19	4	15
Influenza (487)	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478, 492-519)	54	32	22	42	27	15	12	5	7
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553, 560)	30	16	14	19	13	6	11	3	8
Gastritis, duodenitis, and noninfective enteritis and colitis (535, 555-558)	15	6	9	11	5	6	4	1	3
Remainder of diseases of digestive system (520-534, 536-543, 562-579)	36	24	12	25	18	7	11	6	5
Congenital anomalies (740-759)	5,887	3,528	2,359	4,533	3,232	1,301	1,354	296	1,058
Anencephalus and similar anomalies (740)	516	300	216	398	276	122	118	24	94
Spina bifida (741)	47	32	15	35	28	7	12	4	8
Congenital hydrocephalus (742.3)	86	58	28	70	53	17	16	5	11
Other congenital anomalies of central nervous system and eye (742.0-742.2, 742.4-742.9, 743)	193	111	82	145	89	46	48	12	36
Congenital anomalies of heart (745-746)	1,471	879	592	1,124	804	320	347	75	272
Other congenital anomalies of circulatory system (747)	425	262	163	333	239	94	92	23	69
Congenital anomalies of respiratory system (748)	1,006	637	369	794	593	201	212	44	168
Congenital anomalies of digestive system (749-751)	55	37	18	43	32	11	12	5	7
Congenital anomalies of genitourinary system (752-753)	470	266	204	344	243	101	126	23	103
Congenital anomalies of musculoskeletal system (754-756)	537	323	214	418	303	115	119	20	99
Down's syndrome (758.0)	46	29	17	38	28	10	8	1	7
Other chromosomal anomalies (758.1-758.9)	555	313	242	422	285	137	133	28	105
All other and unspecified congenital anomalies (744, 757, 759)	480	281	199	369	249	120	111	32	79
Certain conditions originating in the perinatal period (760-779)	16,942	11,207	5,735	13,788	10,444	3,344	3,154	763	2,391
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	137	91	46	106	86	20	31	5	26
Newborn affected by maternal complications of pregnancy (761)	1,402	916	486	1,147	843	304	256	73	182
Newborn affected by complications of placenta, cord, and membranes (762)	899	565	334	698	512	186	201	53	148
Newborn affected by other complications of labor and delivery (763)	58	34	24	39	30	9	19	4	15
Slow fetal growth and fetal malnutrition (764)	36	22	14	27	20	7	9	2	7
Disorders relating to short gestation and unspecified low birthweight (765)	3,198	2,139	1,059	2,654	2,021	633	544	118	426
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-
Birth trauma (767)	209	131	78	167	120	47	42	11	31
Intrauterine hypoxia and birth asphyxia (768)	724	438	286	570	405	165	154	33	121
Fetal distress in liveborn infant (768.2-768.4)	178	101	77	137	91	46	41	10	31
Birth asphyxia (768.5-768.9)	546	337	209	433	314	119	113	23	90
Respiratory distress syndrome (769)	2,958	1,947	1,011	2,339	1,777	562	619	170	449
Other respiratory conditions of newborn (770)	3,008	1,984	1,024	2,413	1,855	558	595	129	466
Infections specific to the perinatal period (771)	833	535	298	674	497	177	159	38	121
Neonatal hemorrhage (772)	321	214	107	268	203	65	53	11	42
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	39	27	12	32	23	9	7	4	3
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	8	3	5	5	3	2	3	-	3
Hemorrhagic disease of newborn (776.0)	3	3	-	3	3	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9, 776.1-779)	3,109	2,158	951	2,646	2,046	600	463	112	351
Symptoms, signs, and ill-defined conditions (780-789)	587	383	204	457	355	102	130	28	102
Sudden infant death syndrome (788.0)	368	218	150	266	198	68	102	20	82
Symptoms, signs, and all other ill-defined conditions (780-787, 788.1-789)	219	165	54	191	157	34	28	8	20
Accidents and adverse effects (E800-E949)	74	44	30	62	41	11	22	3	19
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	7	2	5	2	2	-	5	-	5
Accidental mechanical suffocation (E913)	11	9	2	9	8	1	2	1	1
Other accidental causes and adverse effects (E800-E910, E914-E949)	56	33	23	41	31	10	15	2	13
Homicide (E980-E989)	60	45	15	48	41	7	12	4	8
Child battering and other maltreatment (E967)	8	7	1	8	7	1	-	-	-
Other homicide (E980-E988, E988-E989)	52	38	14	40	34	6	12	4	8
All other causes (Residual)	662	424	238	592	391	141	130	33	97

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Table 2-15. Deaths Under 1 Year and Under 28 Days, From 61 Selected Causes, by Race, for Population-Size Groups in Metropolitan and Nonmetropolitan Counties: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix. "All other infants" includes "Black infants." Urban places in metropolitan counties are those with populations of 10,000 or more; urban places in nonmetropolitan counties are those with populations of 10,000 or more but less than 50,000 as enumerated in 1980. For definition of areas see Technical Appendix.]

Cause of death, age, and race	All counties			Metropolitan counties			Nonmetropolitan counties		
	Total	Urban places	Balance of area	Total	Urban places	Balance of area	Total	Urban places	Balance of area
White infants under 28 days									
All causes	16,346	9,410	6,936	12,670	8,590	4,080	3,676	820	2,856
Certain intestinal infections (008-009)	2	2	-	2	2	-	-	-	-
Whooping cough (033)	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	3	1	2	2	1	1	1	-	1
Septicemia (038)	-	-	-	-	-	-	-	-	-
Viral diseases (045-079)	21	13	8	13	9	4	8	4	4
Congenital syphilis (090)	4	3	1	4	3	1	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-*044, 080-088, 091-139)	9	2	7	4	2	2	5	-	5
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	10	4	6	8	4	4	2	-	2
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	26	14	12	18	11	7	8	3	5
Diseases of thymus gland (254)	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	2	-	2	1	-	1	1	-	1
Diseases of blood and blood-forming organs (280-289)	12	6	6	8	6	2	4	-	4
Meningitis (320-322)	26	13	13	16	12	4	10	1	9
Other diseases of nervous system and sense organs (323-389)	37	17	20	27	15	12	10	2	8
Acute upper respiratory infections (460-465)	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466, 490-491)	-	-	-	-	-	-	-	-	-
Pneumonia and influenza (480-487)	79	49	30	63	48	17	16	3	13
Pneumonia (480-486)	79	49	30	63	46	17	16	3	13
Influenza (487)	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478, 492-519)	35	17	18	25	13	12	10	4	6
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553, 560)	21	8	13	12	6	6	9	2	7
Gastritis, duodenitis, and noninfective enteritis and colitis (535, 555-558)	8	4	4	6	3	3	2	1	1
Remainder of diseases of digestive system (520-534, 536-543, 562-579)	21	11	10	15	8	7	6	3	3
Congenital anomalies (740-759)	4,737	2,659	2,078	3,588	2,414	1,174	1,149	245	904
Anocephalus and similar anomalies (740)	441	242	199	334	221	113	107	21	86
Spina bifida (741)	38	24	14	29	22	7	9	2	7
Congenital hydrocephalus (742.3)	71	47	24	59	43	16	12	4	8
Other congenital anomalies of central nervous system and eye (742.0-742.2, 742.4-742.9, 743)	156	85	71	112	73	39	44	12	32
Congenital anomalies of heart (745-746)	1,202	673	529	902	609	293	300	64	236
Other congenital anomalies of circulatory system (747)	303	173	130	234	155	79	69	18	51
Congenital anomalies of respiratory system (748)	787	473	314	618	436	182	169	37	132
Congenital anomalies of digestive system (749-751)	39	23	16	31	20	11	8	3	5
Congenital anomalies of genitourinary system (752-753)	404	214	190	289	194	95	115	20	95
Congenital anomalies of musculoskeletal system (754-756)	435	242	193	329	225	104	106	17	89
Down's syndrome (758.0)	42	27	15	35	26	9	7	1	6
Other chromosomal anomalies (758.1-758.9)	447	242	205	338	218	120	109	24	85
All other and unspecified congenital anomalies (744, 767, 769)	372	194	178	278	172	106	94	22	72
Certain conditions originating in the perinatal period (760-779)	10,378	6,069	4,309	8,166	5,562	2,604	2,212	507	1,705
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	81	51	30	59	46	13	22	5	17
Newborn affected by maternal complications of pregnancy (761)	871	505	366	689	454	235	182	51	131
Newborn affected by complications of placenta, cord, and membranes (762)	608	338	270	457	301	156	151	37	114
Newborn affected by other complications of labor and delivery (763)	39	19	20	24	16	8	15	3	12
Slow fetal growth and fetal malnutrition (764)	18	7	11	12	6	6	6	1	5
Disorders relating to short gestation and unspecified low birthweight (765)	1,684	959	725	1,337	893	444	347	68	281
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-
Birth trauma (767)	143	77	66	111	70	41	32	7	25
Intrauterine hypoxia and birth asphyxia (768)	481	256	225	368	231	137	113	25	88
Fetal distress in liveborn infant (768.2-768.4)	119	62	57	90	53	37	29	9	20
Birth asphyxia (768.5-768.9)	362	194	168	278	178	100	84	16	68
Respiratory distress syndrome (769)	2,004	1,195	809	1,536	1,072	464	468	123	345
Other respiratory conditions of newborn (770)	1,913	1,134	779	1,490	1,046	444	423	88	335
Infections specific to the perinatal period (771)	546	308	238	429	286	143	117	22	95
Neonatal hemorrhage (772)	196	112	84	156	104	52	40	8	32
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	31	21	10	26	18	8	5	3	2
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	7	3	4	5	3	2	2	-	2
Hemorrhagic disease of newborn (776.0)	1	1	-	1	1	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9, 776.1-779)	1,755	1,083	672	1,466	1,015	451	289	68	221
Symptoms, signs, and ill-defined conditions (780-799)	369	208	161	270	187	83	99	21	78
Sudden infant death syndrome (798.0)	248	128	120	169	113	56	79	15	64
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799)	121	80	41	101	74	27	20	6	14
Accidents and adverse effects (E800-E949)	52	27	25	36	25	11	16	2	14
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	4	-	4	-	-	-	4	-	4
Accidental mechanical suffocation (E913)	8	6	2	6	5	1	2	1	1
Other accidental causes and adverse effects (E800-E910, E914-E949)	40	21	19	30	20	10	10	1	9
Homicide (E960-E969)	34	25	9	28	23	5	6	2	4
Child battering and other maltreatment (E967)	5	4	1	5	4	1	-	-	-
Other homicide (E960-E966, E968-E969)	29	21	8	23	19	4	6	2	4
All other causes (Residual)	460	258	202	358	238	120	102	20	82

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Table 2-15. Deaths Under 1 Year and Under 28 Days, From 61 Selected Causes, by Race, for Population-Size Groups in Metropolitan and Nonmetropolitan Counties: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix. "All other infants" includes "Black infants." Urban places in metropolitan counties are those with populations of 10,000 or more; urban places in nonmetropolitan counties are those with populations of 10,000 or more but less than 50,000 as enumerated in 1980. For definition of areas see Technical Appendix.]

Cause of death, age, and race	All counties			Metropolitan counties			Nonmetropolitan counties		
	Total	Urban places	Balance of area	Total	Urban places	Balance of area	Total	Urban places	Balance of area
<b>All other infants under 28 days</b>									
All causes .....	8,344	6,511	1,833	7,101	6,173	928	1,243	398	905
Certain intestinal infections (008-009) .....	1	-	1	-	-	-	1	-	1
Whooping cough (033) .....	-	-	-	-	-	-	-	-	-
Meningococcal infection (036) .....	2	1	1	1	1	-	1	-	1
Septicemia (038) .....	-	-	-	-	-	-	-	-	-
Viral diseases (045-079) .....	9	8	1	8	8	-	1	-	1
Congenital syphilis (090) .....	10	10	-	10	10	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-*044, 080-088, 091-139)	5	4	1	4	4	-	1	-	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	2	2	-	2	2	-	-	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	4	3	1	3	3	-	1	-	1
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	1	1	-	1	1	-	-	-	-
Diseases of blood and blood-forming organs (280-289) .....	10	9	1	9	8	1	1	1	1
Meningitis (320-322) .....	12	7	5	10	6	4	2	1	1
Other diseases of nervous system and sense organs (323-389) .....	8	4	4	5	4	1	3	-	3
Acute upper respiratory infections (460-465) .....	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491) .....	3	3	-	3	3	-	-	-	-
Pneumonia and influenza (480-487) .....	45	36	9	42	35	7	3	1	2
Pneumonia (480-486) .....	45	36	9	42	35	7	3	1	2
Influenza (487) .....	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-476,492-519) .....	19	15	4	17	14	3	2	1	1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	9	8	1	7	7	-	2	1	1
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	7	2	5	5	2	3	2	-	2
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	15	13	2	10	10	-	5	3	2
Congenital anomalies (740-759) .....	1,150	869	281	945	818	127	205	51	154
Anocephalus and similar anomalies (740) .....	75	58	17	64	55	9	11	3	8
Spina bifida (741) .....	9	8	1	6	6	-	3	2	1
Congenital hydrocephalus (742.3) .....	15	11	4	11	10	1	4	1	3
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	37	26	11	33	26	7	4	-	4
Congenital anomalies of heart (745-746) .....	269	206	63	222	195	27	47	11	36
Other congenital anomalies of circulatory system (747) .....	122	89	33	99	84	15	23	5	18
Congenital anomalies of respiratory system (748) .....	219	164	55	176	157	19	43	7	36
Congenital anomalies of digestive system (749-751) .....	16	14	2	12	12	-	4	2	2
Congenital anomalies of genitourinary system (752-753) .....	68	52	14	55	49	6	11	3	8
Congenital anomalies of musculoskeletal system (754-756) .....	102	81	21	89	78	11	13	3	10
Down's syndrome (758.0) .....	4	2	2	3	2	1	1	-	1
Other chromosomal anomalies (758.1-758.9) .....	108	71	37	84	67	17	24	4	20
All other and unspecified congenital anomalies (744,757,759) .....	108	87	21	91	77	14	17	10	7
Certain conditions originating in the perinatal period (760-779) .....	6,564	5,138	1,426	5,622	4,882	740	942	256	686
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	56	40	16	47	40	7	9	-	9
Newborn affected by maternal complications of pregnancy (761) .....	531	411	120	458	389	69	73	22	51
Newborn affected by complications of placenta, cord, and membranes (762) .....	291	227	64	241	211	30	50	18	34
Newborn affected by other complications of labor and delivery (763) .....	19	15	4	15	14	1	1	1	3
Slow fetal growth and fetal malnutrition (764) .....	18	15	3	15	14	1	3	1	2
Disorders relating to short gestation and unspecified low birthweight (765) .....	1,514	1,180	334	1,317	1,128	189	197	52	145
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	66	54	12	56	50	6	10	4	6
Intrauterine hypoxia and birth asphyxia (768) .....	243	182	61	202	174	28	41	8	33
Fetal distress in liveborn infant (768.2-768.4) .....	59	39	20	47	38	9	12	1	11
Birth asphyxia (768.5-768.9) .....	184	143	41	155	136	19	29	7	22
Respiratory distress syndrome (769) .....	954	752	202	803	705	98	151	47	104
Other respiratory conditions of newborn (770) .....	1,095	850	245	923	809	114	172	41	131
Infections specific to the perinatal period (771) .....	297	227	60	245	211	34	42	16	26
Neonatal hemorrhage (772) .....	125	102	23	112	99	13	13	3	10
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	8	6	2	6	5	1	2	1	1
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	1	-	1	-	-	-	1	-	1
Hemorrhagic disease of newborn (776.0) .....	2	2	-	2	2	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	1,354	1,075	279	1,180	1,031	149	174	44	130
Symptoms, signs, and ill-defined conditions (780-799) .....	218	175	43	187	168	19	31	7	24
Sudden infant death syndrome (788.0) .....	120	90	30	97	85	12	23	5	18
Symptoms, signs, and all other ill-defined conditions (760-797, 798.1-799) .....	98	85	13	90	83	7	8	2	6
Accidents and adverse effects (E800-E949) .....	22	17	5	16	16	-	6	1	5
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	3	2	1	2	2	-	1	-	1
Accidental mechanical suffocation (E913) .....	3	3	-	3	3	-	-	-	-
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	16	12	4	11	11	-	5	1	4
Homicide (E960-E969) .....	26	20	6	20	18	2	6	2	4
Child battering and other maltreatment (E967) .....	3	3	-	3	3	-	-	-	-
Other homicide (E960-E966,E968-E969) .....	23	17	6	17	15	2	6	2	4
All other causes (Residual) .....	202	166	36	174	153	21	28	13	15

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Table 2-15. Deaths Under 1 Year and Under 28 Days, From 61 Selected Causes, by Race, for Population-Size Groups in Metropolitan and Nonmetropolitan Counties: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix. "All other infants" includes "Black infants." Urban places in metropolitan counties are those with populations of 10,000 or more; urban places in nonmetropolitan counties are those with populations of 10,000 or more but less than 50,000 as enumerated in 1980. For definition of areas see Technical Appendix]

Cause of death, age, and race	All counties			Metropolitan counties			Nonmetropolitan counties		
	Total	Urban places	Balance of area	Total	Urban places	Balance of area	Total	Urban places	Balance of area
<b>Black infants under 28 days</b>									
All causes .....	7,695	6,066	1,629	6,600	5,755	845	1,095	311	784
Certain intestinal infections (008-009) .....	1	-	1	-	-	-	1	-	1
Whooping cough (033) .....	-	-	-	-	-	-	-	-	-
Meningococcal infection (036) .....	1	1	-	1	1	-	-	-	-
Septicemia (038) .....	-	-	-	-	-	-	-	-	-
Viral diseases (045-079) .....	9	8	1	8	8	-	1	-	1
Congenital syphilis (090) .....	10	10	-	10	10	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042,*044,080-088,091-139) .....	5	4	1	4	4	-	1	-	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	2	2	-	2	2	-	-	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	3	2	1	2	2	-	1	-	1
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	1	1	-	1	1	-	-	-	-
Diseases of blood and blood-forming organs (280-289) .....	2	2	-	2	2	-	-	-	-
Meningitis (320-322) .....	12	7	5	10	6	4	2	1	1
Other diseases of nervous system and sense organs (323-389) .....	7	4	3	4	4	-	3	-	3
Acute upper respiratory infections (460-465) .....	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491) .....	3	3	-	3	3	-	-	-	-
Pneumonia and influenza (480-487) .....	41	33	8	38	32	6	3	1	2
Pneumonia (480-486) .....	41	33	8	38	32	6	3	1	2
Influenza (487) .....	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519) .....	18	14	4	16	13	3	2	1	1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	8	7	1	6	6	-	2	1	1
Gastritis, duodenitis, and noninfective enteritis and colitis (535,565-568) .....	6	2	4	5	2	3	-	-	1
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	15	13	2	10	10	-	5	3	2
Congenital anomalies (740-759) .....	954	729	225	792	684	108	162	45	117
Anencephalus and similar anomalies (740) .....	54	42	12	47	40	7	7	2	5
Spina bifida (741) .....	8	7	1	6	6	-	2	1	1
Congenital hydrocephalus (742.3) .....	12	8	4	8	7	1	4	1	3
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	31	22	9	28	22	6	3	-	3
Congenital anomalies of heart (745-746) .....	231	181	50	193	172	21	38	9	29
Other congenital anomalies of circulatory system (747) .....	106	78	28	86	73	13	20	5	15
Congenital anomalies of respiratory system (748) .....	187	140	47	151	134	17	36	6	30
Congenital anomalies of digestive system (749-751) .....	12	12	-	10	10	-	2	2	-
Congenital anomalies of genitourinary system (752-753) .....	54	44	10	46	41	5	8	3	5
Congenital anomalies of musculoskeletal system (754-756) .....	81	65	16	71	62	9	10	3	7
Down's syndrome (758.0) .....	4	2	2	3	2	1	1	-	1
Other chromosomal anomalies (758.1-758.9) .....	85	56	29	67	52	15	18	4	14
All other and unspecified congenital anomalies (744,757,759) .....	89	72	17	76	63	13	13	9	4
<b>Certain conditions originating in the perinatal period (760-779) .....</b>	<b>6,183</b>	<b>4,881</b>	<b>1,302</b>	<b>5,328</b>	<b>4,642</b>	<b>686</b>	<b>855</b>	<b>239</b>	<b>616</b>
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	52	38	14	45	38	7	7	-	7
Newborn affected by maternal complications of pregnancy (761) .....	504	393	111	437	373	64	67	20	47
Newborn affected by complications of placenta, cord, and membranes (762) .....	267	209	58	221	194	27	46	15	31
Newborn affected by other complications of labor and delivery (763) .....	17	14	3	13	13	-	4	1	3
Slow fetal growth and fetal malnutrition (764) .....	18	15	3	15	14	1	3	1	2
Disorders relating to short gestation and unspecified low birthweight (765) .....	1,451	1,138	315	1,268	1,087	179	185	49	136
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	58	51	7	52	48	4	6	3	3
Intrauterine hypoxia and birth asphyxia (768) .....	227	172	55	189	164	25	38	8	30
Fetal distress in liveborn infant (768.2-768.4) .....	55	37	18	44	36	8	11	1	10
Birth asphyxia (768.5-768.9) .....	172	135	37	145	128	17	27	7	20
Respiratory distress syndrome (769) .....	884	700	184	749	656	93	135	44	91
Other respiratory conditions of newborn (770) .....	1,030	809	221	873	770	103	157	39	118
Infections specific to the perinatal period (771) .....	253	214	49	226	199	27	37	15	22
Neonatal hemorrhage (772) .....	115	95	20	103	92	11	12	3	9
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	7	5	2	6	5	1	1	-	1
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	1	-	1	-	-	-	1	-	1
Hemorrhagic disease of newborn (776.0) .....	2	2	-	2	2	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	1,287	1,028	259	1,131	987	144	156	41	115
Symptoms, signs, and ill-defined conditions (780-799) .....	195	163	32	172	157	15	23	6	17
Sudden infant death syndrome (785.0) .....	108	85	23	90	80	10	18	5	13
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799) .....	87	78	9	82	77	5	5	1	4
<b>Accidents and adverse effects (E800-E949) .....</b>	<b>20</b>	<b>15</b>	<b>5</b>	<b>14</b>	<b>14</b>	<b>-</b>	<b>6</b>	<b>1</b>	<b>5</b>
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E811-E912) .....	3	2	1	2	2	-	1	-	1
Accidental mechanical suffocation (E813) .....	3	3	-	3	3	-	-	-	-
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	14	10	4	9	9	-	5	1	4
<b>Homicide (E960-E969) .....</b>	<b>24</b>	<b>20</b>	<b>4</b>	<b>20</b>	<b>18</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>2</b>
Child battering and other maltreatment (E967) .....	3	3	-	3	3	-	2	-	2
Other homicide (E960-E966,E968-E969) .....	21	17	4	17	15	2	4	2	2
All other causes (Residual) .....	175	145	30	152	134	18	23	11	12

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total, under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
All races, both sexes - All causes	38,910	4,088	10,183	2,465	1,498	837	594	459	387	20,471	2,029	1,247	943	24,690
Certain intestinal infections (008-009)	85	1	-	-	-	-	-	-	-	1	1	-	1	3
Whooping cough (033)	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	72	-	-	-	-	1	-	-	-	1	-	2	2	5
Septicemia (038)	245	-	-	-	-	-	-	-	-	-	-	-	-	-
Viral diseases (045-079)	110	-	-	-	1	-	-	1	2	4	16	7	3	30
Congenital syphilis (090)	17	-	4	3	-	1	1	-	1	10	1	2	1	14
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042,*044,080-088,091-139)	207	2	4	-	-	-	-	-	1	7	1	4	2	14
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	89	-	4	1	-	1	1	-	-	7	3	1	1	12
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	60	8	6	8	-	3	1	-	-	26	2	2	-	30
Diseases of thymus gland (254)	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	10	1	-	-	-	-	-	-	-	1	-	1	1	3
Diseases of blood and blood-forming organs (280-289)	75	6	2	-	1	2	1	-	-	12	7	3	-	22
Meningitis (320-322)	205	-	-	-	2	2	-	1	-	3	9	15	11	38
Other diseases of nervous system and sense organs (323-389)	454	1	6	5	5	1	-	1	-	19	12	7	7	45
Acute upper respiratory infections (460-465)	43	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491)	115	-	-	-	-	-	-	-	-	-	-	-	-	3
Pneumonia and influenza (480-487)	641	3	22	11	10	8	4	1	3	62	25	20	17	124
Pneumonia (480-486)	635	3	22	11	10	8	4	1	3	62	25	20	17	124
Influenza (487)	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	420	4	17	3	1	1	1	1	-	28	9	5	12	54
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	77	4	8	3	1	-	1	2	-	19	6	2	3	30
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	101	-	-	-	2	-	-	1	1	4	5	4	2	15
Remainder of diseases of digestive system (520-534,536-543,562-579)	203	-	3	1	2	-	2	-	-	8	13	9	6	36
Congenital anomalies (740-769)	8,141	799	1,935	680	450	273	221	166	152	4,676	631	334	246	5,887
Anencephalus and similar anomalies (740)	533	169	250	31	18	8	10	4	4	494	11	8	3	516
Spina bifida (741)	69	14	19	2	1	-	1	-	1	38	5	3	1	47
Congenital hydrocephalus (742.3)	171	19	19	7	6	5	6	3	-	65	10	7	4	86
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	393	35	53	23	8	7	3	8	4	141	23	17	12	193
Congenital anomalies of heart (745-746)	2,582	37	147	145	177	118	106	78	84	892	324	147	108	1,471
Other congenital anomalies of circulatory system (747)	584	4	48	69	61	37	19	20	15	273	77	44	31	425
Congenital anomalies of respiratory system (748)	1,109	146	528	166	69	22	15	5	3	954	32	10	10	1,008
Congenital anomalies of digestive system (749-751)	107	7	9	5	6	1	2	2	1	33	12	6	4	55
Congenital anomalies of genitourinary system (752-753)	505	72	313	46	11	8	1	2	2	455	7	3	5	470
Congenital anomalies of musculoskeletal system (754-756)	601	73	227	98	40	12	8	6	6	470	32	20	15	537
Down's syndrome (758.0)	119	9	17	5	1	3	2	1	1	39	3	-	4	46
Other chromosomal anomalies (758.1-758.9)	795	58	116	45	34	41	41	29	29	393	77	46	39	555
All other and unspecified congenital anomalies (744,757,759)	633	156	189	38	18	11	7	8	2	429	18	23	10	480
Certain conditions originating in the perinatal period (760-779)	18,036	3,132	7,961	1,638	922	458	314	245	192	14,862	1,080	615	385	16,942
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	147	40	52	8	10	6	2	3	1	122	13	1	1	137
Newborn affected by maternal complications of pregnancy (761)	1,411	569	760	40	16	2	1	2	1	1,391	6	3	2	1,402
Newborn affected by complications of placenta, cord, and membranes (762)	807	383	397	41	25	7	10	6	4	673	16	8	2	899
Newborn affected by other complications of labor and delivery (763)	60	21	22	7	1	1	2	-	-	54	2	2	-	58
Slow fetal growth and fetal malnutrition (764)	38	6	17	3	4	2	-	1	1	34	2	-	-	36
Disorders relating to short gestation and unspecified low birthweight (765)	3,268	963	2,011	143	31	15	6	1	2	3,172	17	7	2	3,188
Disorders relating to long gestation and high birthweight (766)	216	7	36	22	40	15	13	8	8	149	40	12	8	209
Birth trauma (767)	777	123	233	81	50	32	32	24	10	585	76	36	27	724
Intrauterine hypoxia and birth asphyxia (768)	193	21	39	15	17	9	11	10	3	125	29	14	10	178
Fetal distress in liveborn infant (768.2-768.4)	584	102	194	66	33	23	21	14	7	460	47	22	17	548
Birth asphyxia (768.5-768.9)	193	21	39	15	17	9	11	10	3	125	29	14	10	178
Respiratory distress syndrome (769)	3,181	79	1,131	519	313	169	89	81	53	2,434	298	140	86	2,958
Other respiratory conditions of newborn (770)	3,588	359	1,429	386	191	87	64	36	44	2,596	205	123	84	3,008
Infections specific to the perinatal period (771)	878	42	233	106	73	28	18	26	14	540	138	105	50	833
Neonatal hemorrhage (772)	324	14	58	55	50	31	18	10	12	248	40	20	13	321
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	45	6	15	6	2	2	-	1	3	35	1	2	1	39
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	8	2	3	1	1	-	-	-	-	7	-	1	-	8
Hemorrhagic disease of newborn (776.0)	3	-	1	-	-	-	-	-	-	1	2	-	-	3
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	3,185	518	1,564	219	115	61	59	46	39	2,621	224	155	109	3,109
Symptoms, signs, and ill-defined conditions (780-799)	6,486	35	57	24	24	16	8	14	12	190	89	131	177	587
Sudden infant death syndrome (798.0)	5,476	1	6	5	13	9	7	8	8	57	56	102	153	368
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	1,010	34	51	19	11	7	1	6	4	133	33	29	24	219
Accidents and adverse effects (E800-E949)	936	12	8	5	3	2	5	1	4	40	11	11	12	74
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	145	-	-	1	-	-	-	1	-	2	2	2	1	7
Accidental mechanical suffocation (E913)	198	-	-	1	-	-	1	-	1	3	1	3	4	11
Other accidental causes and adverse effects (E800-E910,E914-E949)	593	12	8	4	2	2	4	-	3	35	8	6	7	56
Homicide (E960-E969)	315	27	13	2	1	2	-	-	-	45	5	3	7	60
Child battering and other maltreatment (E967)	108	2	-	-	-	1	-	-	-	3	1	-	4	8
Other homicide (E960-E966,E968-E969)	207	25	13	2	1	1	-	-	-	42	4	3	3	52
All other causes (Residual)	1,758	33	113	81	75	66	34	25	19	446	103	69	44	662

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
All races, both sexes - All causes	3,413	3,080	2,145	1,457	1,042	777	608	526	443	360	369
Certain intestinal infections (008-009)	42	13	9	9	6	-	2	-	-	1	-
Whooping cough (033)	7	2	3	10	11	7	4	4	3	1	3
Meningococcal infection (036)	92	39	29	25	11	8	5	9	11	5	11
Septicemia (038)	19	21	11	5	6	4	2	1	3	3	5
Viral diseases (045-079)	1	2	-	-	-	-	-	-	-	-	-
Congenital syphilis (090)	40	26	16	28	20	14	14	10	12	6	7
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042,*044,080-086,091-139)	12	6	8	5	6	2	4	4	12	5	13
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	3	5	3	-	1	2	5	-	5	3	3
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	1	2	-	2	-	-	-	-	-	-	-
Diseases of thymus gland (254)	1	3	-	-	1	-	1	-	-	1	-
Cystic fibrosis (277.0)	7	10	3	8	4	7	1	6	1	3	3
Diseases of blood and blood-forming organs (280-289)	24	25	21	22	18	10	13	19	5	7	3
Meningitis (320-322)	65	35	47	46	51	37	33	24	27	21	23
Other diseases of nervous system and sense organs (323-389)	7	11	2	8	7	1	5	1	1	-	-
Acute upper respiratory infections (460-465)	10	28	16	19	12	9	4	6	1	5	2
Bronchitis and bronchiolitis (488,490-491)	97	118	79	69	43	31	21	17	11	25	6
Pneumonia and influenza (480-487)	97	118	79	68	42	30	21	16	10	24	6
Pneumonia (480-486)	-	-	-	1	1	-	-	-	1	1	-
Influenza (487)	82	65	45	41	35	36	19	16	9	8	10
Remainder of diseases of respiratory system (470-478,492-519)	9	5	5	7	5	2	4	-	4	3	3
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	38	14	10	5	8	2	4	4	-	-	1
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	33	35	14	19	15	13	8	7	10	6	7
Remainder of diseases of digestive system (520-534,536-543,562-579)	577	370	304	218	160	147	122	105	94	81	76
Congenital anomalies (740-759)	5	3	2	2	-	-	-	-	2	1	1
Anencephalus and similar anomalies (740)	11	4	-	1	-	-	1	2	3	-	-
Spina bifida (741)	15	18	12	5	7	5	6	4	1	6	6
Congenital hydrocephalus (742.9)	32	19	17	14	15	6	6	13	8	4	6
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,749)	270	177	151	104	80	85	67	53	45	44	35
Congenital anomalies of heart (745-748)	45	29	27	9	10	10	10	4	4	5	6
Other congenital anomalies of circulatory system (747)	26	13	9	17	7	5	6	9	4	4	3
Congenital anomalies of respiratory system (748)	9	10	6	6	4	6	1	2	5	2	3
Congenital anomalies of digestive system (749-751)	7	6	5	3	2	2	1	2	2	2	1
Congenital anomalies of genitourinary system (752-753)	20	10	10	11	3	-	5	1	1	2	1
Congenital anomalies of musculoskeletal system (754-756)	11	8	8	10	6	6	7	4	6	2	5
Down's syndrome (758.0)	98	45	31	25	12	9	7	6	4	4	5
Other chromosomal anomalies (758.1-758.6)	28	28	26	11	14	12	10	6	9	5	4
All other and unspecified congenital anomalies (744,757,759)	315	150	114	119	110	84	65	50	40	23	24
Certain conditions originating in the perinatal period (760-779)	3	2	1	-	1	1	2	-	-	-	-
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	2	1	2	-	3	-	1	-	-	-	-
Newborn affected by maternal complications of pregnancy (761)	6	-	-	-	1	-	-	-	-	1	-
Newborn affected by complications of placenta, cord, and membranes (762)	1	1	-	-	-	-	-	-	-	-	-
Newborn affected by other complications of labor and delivery (763)	-	1	1	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764)	25	11	9	10	6	5	-	2	2	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to long gestation and high birthweight (766)	1	3	-	2	1	-	-	-	-	-	-
Birth trauma (767)	16	3	6	6	6	3	5	1	5	1	1
Intrauterine hypoxia and birth asphyxia (768)	4	1	1	2	2	3	1	-	1	-	-
Fetal distress in liveborn infant (768.2-768.4)	12	2	5	4	4	-	4	1	4	1	1
Birth asphyxia (768.5-768.9)	89	33	18	27	20	9	6	10	6	4	1
Respiratory distress syndrome (769)	102	73	63	66	68	65	48	31	27	16	21
Other respiratory conditions of newborn (770)	26	6	6	-	1	-	2	-	-	-	-
Infections specific to the perinatal period (771)	1	2	-	-	-	-	-	-	-	-	-
Neonatal hemorrhage (772)	2	-	-	-	-	-	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	2	1	1	1	-	-	-	1	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	41	15	5	7	3	1	1	1	-	1	1
Symptoms, signs, and ill-defined conditions (780-799)	1,510	1,709	1,155	693	335	226	133	112	58	36	32
Sudden infant death syndrome (798.0)	1,347	1,497	1,007	519	287	191	102	76	40	25	17
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	163	212	148	74	48	35	31	36	18	11	15
Accidents and adverse effects (E800-E949)	108	121	76	72	79	67	70	52	73	64	80
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	25	21	27	12	12	8	11	8	6	4	4
Accidental mechanical suffocation (E913)	29	34	17	19	23	18	18	12	7	4	6
Other accidental causes and adverse effects (E800-E910,E914-E949)	54	66	32	41	44	41	41	32	60	56	70
Homicide (E960-E969)	34	53	34	31	21	8	14	22	10	13	15
Child battering and other maltreatment (E967)	10	27	16	10	4	3	7	8	5	5	5
Other homicide (E960-E966,E968-E969)	24	26	18	21	17	5	7	14	5	8	10
All other causes (Residual)	279	204	133	96	77	60	55	57	53	40	42



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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total, under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
All races, male - All causes	22,007	2,244	5,791	1,410	838	499	338	250	225	11,535	1,164	709	503	13,911
Certain intestinal infections (008-009)	46	-	-	-	-	-	-	-	-	-	1	-	1	2
Whooping cough (033)	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	40	-	-	-	-	1	-	-	-	1	-	1	1	3
Septicemia (038)	135	-	-	-	-	-	-	-	-	-	-	-	-	-
Viral diseases (045-079)	62	-	-	-	1	-	-	-	1	2	10	7	1	20
Congenital syphilis (090)	8	-	3	2	-	1	-	-	-	6	-	-	-	6
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-086,091-139)	119	2	3	-	-	-	-	-	-	5	1	1	-	7
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	46	-	2	1	-	1	-	-	-	4	2	-	1	7
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	26	2	2	4	-	1	-	-	-	9	1	1	-	11
Diseases of thymus gland (254)	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	7	1	-	-	-	-	-	-	-	1	-	-	-	2
Diseases of blood and blood-forming organs (280-289)	47	2	1	-	1	1	1	-	-	6	5	3	-	14
Meningitis (320-322)	110	-	-	-	-	2	-	1	-	3	5	5	3	16
Other diseases of nervous system and sense organs (323-389)	258	-	5	3	3	1	-	-	-	12	3	6	3	24
Acute upper respiratory infections (460-465)	25	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491)	73	-	-	-	-	-	-	-	-	-	-	-	2	2
Pneumonia and influenza (480-487)	381	1	12	6	7	7	2	1	2	38	15	12	7	72
Pneumonia (480-486)	378	1	12	6	7	7	2	1	2	38	15	12	7	72
Influenza (487)	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	287	1	9	-	1	-	-	1	-	12	5	3	4	24
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	36	2	3	2	-	-	-	1	-	8	1	2	2	13
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	58	-	-	-	-	-	-	-	1	1	4	3	2	10
Remainder of diseases of digestive system (520-534,536-543,562-579)	122	-	1	1	-	-	-	-	-	2	8	3	3	18
Congenital anomalies (740-759)	4,384	427	1,083	395	266	163	121	80	81	2,616	349	180	125	3,270
Anencephalus and similar anomalies (740)	201	60	90	18	8	7	4	1	-	188	3	5	1	197
Spina bifida (741)	27	7	9	-	1	-	1	-	1	19	2	1	-	22
Congenital hydrocephalus (742.3)	94	16	8	1	3	4	4	2	-	38	6	4	-	48
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	168	17	27	12	3	2	2	1	2	66	16	15	6	103
Congenital anomalies of heart (745-746)	1,422	19	84	89	114	75	60	45	45	531	184	79	58	852
Other congenital anomalies of circulatory system (747)	323	3	24	36	43	20	12	9	10	157	45	21	16	239
Congenital anomalies of respiratory system (748)	683	89	331	97	43	11	9	2	2	584	15	9	8	616
Congenital anomalies of digestive system (749-751)	52	5	5	2	2	1	2	2	1	20	5	3	2	30
Congenital anomalies of genitourinary system (752-753)	355	52	223	37	7	5	-	2	2	328	4	1	4	337
Congenital anomalies of musculoskeletal system (754-756)	318	41	116	53	20	7	4	1	3	245	19	11	6	281
Down's syndrome (758.0)	69	5	11	4	1	2	2	1	-	26	3	-	2	31
Other chromosomal anomalies (758.1-758.9)	336	32	66	23	10	19	17	8	14	189	36	18	17	280
All other and unspecified congenital anomalies (744,757,759)	336	81	89	23	11	10	4	6	1	225	11	13	5	254
Certain conditions originating in the perinatal period (760-779)	10,280	1,752	4,513	929	509	271	181	142	124	8,421	692	366	216	9,635
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	77	18	34	5	6	3	1	1	-	68	4	1	-	73
Newborn affected by maternal complications of pregnancy (761)	786	334	399	24	12	1	1	2	-	773	3	1	2	779
Newborn affected by complications of placenta, cord, and membranes (762)	502	209	234	18	18	3	3	2	1	488	8	3	1	500
Newborn affected by other complications of labor and delivery (769)	30	11	11	3	1	1	1	-	-	28	-	1	-	29
Slow fetal growth and fetal malnutrition (764)	25	4	12	2	1	1	-	-	1	21	2	-	-	23
Disorders relating to short gestation and unspecified low birthweight (765)	1,859	565	1,127	80	18	11	2	-	1	1,804	8	6	1	1,819
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	123	3	22	12	19	8	9	6	5	84	25	10	3	122
Intrauterine hypoxia and birth asphyxia (768)	441	62	132	50	28	21	19	11	6	329	41	21	16	407
Fetal distress in liveborn infant (768.2-768.4)	103	10	20	9	9	4	5	4	2	63	16	9	5	93
Birth asphyxia (768.5-768.9)	338	52	112	41	19	17	14	7	4	266	25	12	11	314
Respiratory distress syndrome (769)	1,914	37	700	301	172	93	51	53	39	1,446	196	83	54	1,779
Other respiratory conditions of newborn (770)	2,086	202	816	213	98	57	42	20	27	1,475	128	74	54	1,731
Infections specific to the perinatal period (771)	481	19	132	64	44	17	10	16	7	309	72	53	24	458
Neonatal hemorrhage (772)	184	4	35	33	25	18	13	5	8	141	24	14	4	183
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	29	4	8	4	1	1	-	1	2	21	1	2	-	24
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	3	1	2	-	-	-	-	-	-	3	-	-	-	3
Hemorrhagic disease of newborn (776.0)	2	-	-	1	-	-	-	-	-	1	1	-	-	2
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	1,738	279	849	119	66	36	29	25	27	1,430	119	97	57	1,703
Symptoms, signs, and ill-defined conditions (780-789)	3,861	18	30	17	9	7	4	10	6	101	53	72	104	330
Sudden infant death syndrome (788.0)	3,295	1	4	4	4	2	3	6	3	27	34	56	92	209
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	566	17	26	13	5	5	1	4	3	74	19	16	12	121
Accidents and adverse effects (E800-E949)	530	9	5	3	2	2	2	-	1	24	8	7	6	45
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	89	-	-	1	-	-	-	-	-	1	-	1	1	3
Accidental mechanical suffocation (E913)	111	-	-	-	-	-	1	-	-	1	1	1	1	4
Other accidental causes and adverse effects (E800-E910,E914-E949)	330	9	5	2	2	2	1	-	1	22	7	5	4	38
Homicide (E960-E969)	151	9	5	-	1	1	-	-	-	16	3	2	5	26
Child battering and other maltreatment (E967)	53	-	-	-	-	1	-	-	-	1	1	-	3	5
Other homicide (E960-E966,E968-E969)	98	9	5	-	1	-	-	-	-	15	2	2	2	21
All other causes (Residual)	960	18	54	47	38	40	27	14	9	247	58	34	17	356

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
All races, male - All causes	1,911	1,768	1,267	852	601	452	330	287	237	205	186
Certain intestinal infections (008-009)	21	6	5	6	4	-	1	-	-	1	-
Whooping cough (033)	-	1	1	-	-	-	-	-	-	-	-
Meningococcal infection (036)	6	4	6	7	5	4	2	1	1	1	-
Septicemia (038)	44	22	18	14	7	4	3	3	8	4	8
Viral diseases (045-079)	10	11	7	3	2	2	-	-	2	2	3
Congenital syphilis (090)	-	2	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139)	20	17	8	16	11	11	7	7	9	-	6
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	7	3	3	2	2	2	2	2	7	3	6
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	2	3	2	-	-	-	2	-	2	1	3
Diseases of thymus gland (254)	-	1	-	2	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	1	2	-	-	1	-	-	-	-	1	-
Diseases of blood and blood-forming organs (280-289)	5	7	1	4	3	4	-	4	-	2	3
Meningitis (320-322)	12	12	11	17	9	4	8	13	1	6	1
Other diseases of nervous system and sense organs (323-389)	32	17	30	30	37	21	17	15	13	13	9
Acute upper respiratory infections (460-465)	7	5	2	5	3	-	2	1	-	-	-
Bronchitis and bronchiolitis (466,490-491)	7	18	9	12	9	3	2	6	-	5	-
Pneumonia and influenza (480-487)	59	75	45	44	29	15	14	7	5	13	3
Pneumonia (480-486)	59	75	45	43	28	14	14	7	5	13	3
Influenza (487)	-	-	-	1	1	1	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	47	39	31	23	19	22	12	8	6	3	3
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	4	2	2	3	4	2	2	-	1	1	2
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	19	9	7	3	4	-	4	1	-	-	1
Remainder of diseases of digestive system (520-534,536-543,562-579)	21	18	12	12	11	10	4	5	6	3	4
Congenital anomalies (740-759)	286	171	151	105	80	84	63	54	42	45	33
Anencephalus and similar anomalies (740)	2	1	1	1	-	-	-	-	-	-	-
Spina bifida (741)	2	1	-	-	-	-	-	1	1	-	-
Congenital hydrocephalus (742.3)	7	11	7	-	6	3	3	2	1	3	3
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	15	8	6	10	9	3	2	5	3	1	3
Congenital anomalies of heart (745-746)	141	86	75	51	41	50	34	27	24	25	16
Other congenital anomalies of circulatory system (747)	23	12	16	3	5	7	6	2	3	4	3
Congenital anomalies of respiratory system (748)	17	7	7	12	2	3	6	6	2	2	3
Congenital anomalies of digestive system (749-751)	1	6	4	2	2	3	-	1	1	1	1
Congenital anomalies of genitourinary system (752-759)	5	4	3	1	1	1	1	-	-	2	-
Congenital anomalies of musculoskeletal system (754-756)	13	8	3	6	1	3	-	-	1	2	-
Down's syndrome (758.0)	8	5	2	7	3	3	4	2	-	1	3
Other chromosomal anomalies (758.1-758.9)	33	11	13	4	5	6	-	3	1	1	-
All other and unspecified congenital anomalies (744,757,759)	19	12	14	8	5	5	4	5	6	3	1
Certain conditions originating in the perinatal period (760-779)	175	88	64	68	68	53	42	30	29	14	14
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	2	1	-	-	-	-	1	-	-	-	-
Newborn affected by maternal complications of pregnancy (761)	1	1	2	-	2	-	1	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	2	-	-	-	-	-	-	-	-	-	-
Newborn affected by other complications of labor and delivery (763)	1	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	1	1	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	10	8	4	8	4	3	-	2	1	-	-
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	1	-	-	-	-	-	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	9	3	3	4	5	1	3	1	3	1	1
Fetal distress in liveborn infant (768.2-768.4)	2	1	1	1	2	1	1	-	1	-	-
Birth asphyxia (768.5-768.9)	7	2	2	3	3	-	2	1	2	1	1
Respiratory distress syndrome (769)	55	21	11	16	12	6	4	5	3	2	-
Other respiratory conditions of newborn (770)	58	44	37	34	43	43	31	19	22	11	13
Infections specific to the perinatal period (771)	17	2	-	-	1	-	1	2	-	-	-
Neonatal hemorrhage (772)	-	-	1	-	-	-	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	1	1	1	1	-	-	-	1	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	18	6	4	5	1	-	1	-	-	-	-
Symptoms, signs, and ill-defined conditions (780-799)	907	1,026	709	364	193	138	68	60	29	24	15
Sudden infant death syndrome (788.0)	806	899	632	320	172	121	52	41	16	18	9
Symptoms, signs, and all other ill-defined conditions (780-797,798,1-799)	101	127	77	44	21	17	14	19	13	6	6
Accidents and adverse effects (E800-E949)	55	69	47	37	45	35	44	29	39	40	45
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	15	15	15	8	9	2	8	4	4	3	3
Accidental mechanical suffocation (E913)	13	20	12	8	11	13	11	9	4	1	5
Other accidental causes and adverse effects (E800-E910,E914-E949)	27	34	20	21	25	20	25	16	31	36	37
Homicide (E960-E969)	13	29	18	19	9	5	8	12	3	3	6
Child battering and other maltreatment (E967)	2	13	7	6	3	3	4	5	3	1	1
Other homicide (E960-E966,E968-E969)	11	16	11	13	6	2	4	7	-	2	5
All other causes (Residual)	151	111	78	56	46	33	25	29	34	20	21

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total, under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
All races, female - All causes	16,903	1,824	4,432	1,055	660	338	256	209	162	8,936	865	538	440	10,779
Certain intestinal infections (008-009)	39	1	-	-	-	-	-	-	-	1	-	-	-	1
Whooping cough (033)	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	32	-	-	-	-	-	-	-	-	-	-	1	1	2
Septicemia (038)	110	-	-	-	-	-	-	-	-	-	-	-	-	-
Viral diseases (045-079)	48	-	-	-	-	-	-	1	1	2	6	-	2	10
Congenital syphilis (090)	9	1	1	-	-	-	1	-	-	4	1	2	1	8
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139)	88	-	1	-	-	-	-	-	1	2	-	3	2	7
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	43	-	2	-	-	-	1	-	-	3	1	1	-	5
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	34	6	4	4	-	2	1	-	-	17	1	1	-	19
Diseases of thymus gland (254)	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	3	-	-	-	-	-	-	-	-	-	-	-	-	1
Diseases of blood and blood-forming organs (280-289)	28	4	1	-	-	1	-	-	-	6	2	-	1	8
Meningitis (320-322)	95	-	-	-	-	-	-	-	-	-	4	10	8	22
Other diseases of nervous system and sense organs (323-389)	186	1	1	2	2	-	-	1	-	7	9	1	4	21
Acute upper respiratory infections (460-465)	18	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491)	42	-	-	-	-	-	-	-	-	-	-	-	-	1
Pneumonia and influenza (480-487)	260	2	10	5	3	1	2	-	1	24	10	8	10	52
Pneumonia (480-486)	257	2	10	5	3	1	2	-	1	24	10	8	10	52
Influenza (487)	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	183	3	8	3	-	1	1	-	-	16	4	2	8	30
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	41	2	5	1	1	-	1	1	-	11	5	-	1	17
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	43	-	-	-	2	-	-	1	-	3	1	1	-	5
Remainder of diseases of digestive system (520-534,536-543,562-578)	81	-	2	-	2	-	2	-	-	6	5	6	3	20
Congenital anomalies (740-759)	3,757	372	852	285	184	110	100	86	71	2,060	282	154	121	2,617
Anencephalus and similar anomalies (740)	332	109	160	13	10	1	6	3	4	306	8	3	2	319
Spina bifida (741)	42	7	10	2	-	-	-	-	-	19	3	2	1	25
Congenital hydrocephalus (742.3)	77	3	11	6	3	1	2	1	-	27	4	3	4	38
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	165	18	26	11	5	5	1	7	2	75	7	2	6	90
Congenital anomalies of heart (745-746)	1,160	18	63	56	63	43	46	33	39	361	140	68	50	619
Other congenital anomalies of circulatory system (747)	261	1	24	33	18	17	7	11	5	116	32	23	15	186
Congenital anomalies of respiratory system (748)	426	57	197	69	26	11	6	3	1	370	17	1	2	390
Congenital anomalies of digestive system (749-751)	55	2	4	3	4	-	-	-	-	13	7	3	2	25
Congenital anomalies of genitourinary system (752-753)	150	20	90	9	4	3	1	-	-	127	3	2	1	133
Congenital anomalies of musculoskeletal system (754-756)	283	32	111	45	20	5	4	5	3	225	13	9	9	258
Down's syndrome (758.0)	50	4	6	1	-	1	-	-	1	13	-	-	-	15
Other chromosomal anomalies (758.1-758.9)	459	26	50	22	24	22	24	21	15	204	41	28	22	295
All other and unspecified congenital anomalies (744,757,759)	297	75	100	15	7	1	3	2	1	204	7	10	5	226
Certain conditions originating in the perinatal period (760-779)	7,756	1,380	3,448	709	413	187	133	103	68	6,441	448	249	169	7,307
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	70	22	18	3	4	3	1	2	1	54	9	-	1	64
Newborn affected by maternal complications of pregnancy (761)	625	235	361	16	4	1	-	-	1	618	3	2	-	623
Newborn affected by complications of placenta, cord, and membranes (762)	405	174	163	23	7	4	7	4	3	385	8	5	1	399
Newborn affected by other complications of labor and delivery (763)	30	10	11	4	-	1	-	-	-	26	2	1	-	29
Slow fetal growth and fetal malnutrition (764)	13	2	5	1	3	1	-	1	-	13	-	-	-	13
Disorders relating to short gestation and unspecified low birthweight (765)	1,409	398	884	63	13	4	4	1	1	1,368	9	1	1	1,379
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	93	4	14	10	21	7	4	2	3	65	15	2	5	87
Intrauterine hypoxia and birth asphyxia (768)	336	61	101	31	22	11	13	13	4	256	35	15	11	317
Fetal distress in liveborn infant (768.2-768.4)	90	11	19	6	8	5	6	6	1	62	13	5	5	85
Birth asphyxia (768.5-768.9)	246	50	82	25	14	6	7	7	3	194	22	10	6	232
Respiratory distress syndrome (769)	1,267	42	431	218	141	76	38	28	14	988	102	57	32	1,179
Other respiratory conditions of newborn (770)	1,502	157	613	173	93	30	22	16	17	1,121	77	49	30	1,277
Infections specific to the perinatal period (771)	397	23	101	42	29	11	8	10	7	231	68	52	26	375
Neonatal hemorrhage (772)	140	10	23	22	25	13	5	5	4	107	16	6	9	138
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	16	2	7	2	1	1	-	-	1	14	-	-	1	15
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	5	1	1	1	1	-	-	-	-	4	-	1	-	5
Hemorrhagic disease of newborn (776.0)	1	-	-	-	-	-	-	-	-	-	1	-	-	1
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	1,447	239	715	100	49	25	30	21	12	1,191	105	58	52	1,406
Symptoms, signs, and ill-defined conditions (780-799)	2,625	17	27	7	15	9	4	4	6	89	36	59	73	257
Sudden infant death syndrome (798.0)	2,181	-	2	1	9	7	4	2	5	30	22	46	61	159
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	444	17	25	6	6	2	-	2	1	59	14	13	12	98
Accidents and adverse effects (E800-E949)	406	3	3	2	1	-	3	1	3	16	3	4	6	29
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	56	-	-	-	-	-	-	1	-	1	2	1	-	4
Accidental mechanical suffocation (E913)	87	-	-	-	1	-	-	-	1	2	-	2	3	7
Other accidental causes and adverse effects (E800-E910,E914-E949)	263	3	3	2	-	-	3	-	2	13	1	1	3	18
Homicide (E960-E969)	164	18	8	2	-	1	-	-	-	29	2	1	2	34
Child battering and other maltreatment (E967)	55	2	-	-	-	-	-	-	-	2	-	-	1	3
Other homicide (E960-E966,E968-E969)	109	16	8	2	-	1	-	-	-	27	2	1	1	31
All other causes (Residual)	798	15	59	34	37	26	7	11	10	199	45	35	27	306

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
All races, female - All causes	1,502	1,312	878	605	441	325	278	239	206	155	183
Certain intestinal infections (008-009)	21	7	4	3	2	-	1	-	-	-	-
Whooping cough (033)	-	1	1	-	-	-	-	-	-	-	-
Meningococcal infection (036)	1	4	3	3	6	3	2	3	2	-	3
Septicemia (038)	48	17	11	11	4	4	2	6	3	1	3
Viral diseases (045-079)	9	10	4	2	4	2	2	1	1	1	2
Congenital syphilis (090)	1	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139)	20	9	8	12	9	3	7	3	3	6	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	5	3	5	3	4	-	2	2	5	2	7
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	1	2	1	-	1	2	3	-	3	2	-
Diseases of thymus gland (254)	1	1	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	-	1	-	-	-	-	1	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	2	3	2	4	1	3	1	2	1	1	-
Meningitis (320-322)	12	13	10	5	9	6	5	6	4	1	2
Other diseases of nervous system and sense organs (323-389)	33	18	17	16	14	16	16	9	14	8	14
Acute upper respiratory infections (460-465)	-	6	-	3	4	1	3	-	1	-	-
Bronchitis and bronchiolitis (466,490-491)	3	10	7	7	3	6	2	1	1	-	2
Pneumonia and influenza (480-487)	38	43	34	25	14	16	7	10	6	12	3
Pneumonia (480-486)	38	43	34	25	14	16	7	9	5	11	3
Influenza (487)	-	-	-	-	-	-	-	1	1	1	-
Remainder of diseases of respiratory system (470-478,492-519)	35	26	14	18	16	14	7	8	3	5	7
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	5	3	3	4	1	-	2	-	3	2	1
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	19	5	3	2	4	2	-	3	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579)	12	17	2	7	4	3	4	2	4	3	8
Congenital anomalies (740-759)	291	199	153	113	80	63	59	51	52	36	43
Anencephalus and similar anomalies (740)	3	3	1	1	-	1	-	-	2	1	1
Spina bifida (741)	9	3	-	1	-	-	1	1	2	-	-
Congenital hydrocephalus (742.3)	8	7	5	5	1	2	3	2	-	3	3
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	17	11	11	4	6	3	4	8	5	3	3
Congenital anomalies of heart (745-746)	129	91	76	53	39	35	33	26	21	19	19
Other congenital anomalies of circulatory system (747)	22	17	11	6	5	3	4	2	1	1	3
Congenital anomalies of respiratory system (748)	9	6	2	5	5	2	-	3	2	2	-
Congenital anomalies of digestive system (749-751)	6	4	2	4	2	3	1	1	4	1	2
Congenital anomalies of genitourinary system (752-753)	4	2	2	2	1	1	1	2	-	-	1
Congenital anomalies of musculoskeletal system (754-756)	7	2	7	5	2	-	2	1	-	-	1
Down's syndrome (758.0)	3	3	6	3	3	3	3	2	6	1	2
Other chromosomal anomalies (758.1-758.9)	65	34	18	21	7	3	1	3	4	3	5
All other and unspecified congenital anomalies (744,757,759)	9	16	12	3	9	7	6	1	3	2	3
Certain conditions originating in the perinatal period (760-779)	140	62	50	51	42	31	23	20	11	9	10
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	1	1	1	-	1	1	1	-	-	-	-
Newborn affected by maternal complications of pregnancy (761)	1	-	-	-	1	-	-	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	4	-	-	-	1	-	-	-	-	1	-
Newborn affected by other complications of labor and delivery (763)	-	1	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	15	3	5	2	2	2	-	-	1	-	-
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	-	3	-	2	1	-	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	7	-	3	2	1	2	2	-	2	-	-
Fetal distress in liveborn infant (768.2-768.4)	2	-	1	-	2	-	-	-	-	-	-
Birth asphyxia (768.5-768.9)	5	-	3	1	1	-	2	-	2	-	-
Respiratory distress syndrome (769)	34	12	7	11	6	3	2	5	3	2	1
Other respiratory conditions of newborn (770)	44	29	26	32	25	22	17	12	5	5	8
Infections specific to the perinatal period (771)	9	4	6	-	-	-	1	2	-	-	-
Neonatal hemorrhage (772)	1	-	1	-	-	-	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	1	-	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	23	9	1	2	2	1	-	1	-	1	1
Symptoms, signs, and ill-defined conditions (780-799)	603	683	446	229	142	88	67	52	29	12	17
Sudden infant death syndrome (798.0)	541	598	375	199	115	70	50	35	24	7	8
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	62	85	71	30	27	18	17	17	5	5	9
Accidents and adverse effects (E800-E949)	53	52	29	35	34	32	26	23	34	24	35
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	10	6	12	4	3	6	3	4	2	1	1
Accidental mechanical suffocation (E913)	16	14	5	11	12	5	7	3	3	3	1
Other accidental causes and adverse effects (E800-E910,E914-E949)	27	32	12	20	19	21	16	16	29	20	33
Homicide (E960-E969)	21	24	16	12	12	3	6	10	7	10	9
Child battering and other maltreatment (E967)	8	14	9	4	1	-	3	3	2	4	4
Other homicide (E960-E966,E968-E969)	13	10	7	8	11	3	3	7	5	6	5
All other causes (Residual)	128	93	55	40	31	27	30	28	19	20	21

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
White, both sexes - All causes .....	25,925	2,696	6,344	1,660	1,048	609	491	349	271	13,408	1,456	865	617	16,346
Certain intestinal infections (008-009) .....	45	1	-	-	-	-	-	-	-	1	1	-	-	2
Whooping cough (033) .....	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036) .....	54	-	-	-	-	1	-	-	-	1	-	2	-	3
Septicemia (036) .....	155	...	...	...	...	...	...	...	...	...	...	...	...	...
Viral diseases (045-079) .....	80	-	-	-	1	-	-	1	2	4	9	6	2	21
Congenital syphilis (090) .....	4	-	2	1	-	-	-	-	-	3	-	1	-	4
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-044,060-088,091-139) .....	111	1	3	-	-	-	-	-	1	5	-	3	1	9
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	70	-	3	1	-	1	-	-	-	5	3	1	1	10
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	53	7	6	6	-	3	1	-	-	23	2	1	-	26
Diseases of thymus gland (254) .....	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	9	1	-	-	-	-	-	-	-	1	-	-	-	2
Diseases of blood and blood-forming organs (280-289) .....	47	-	1	-	-	-	2	1	-	4	6	3	-	12
Meningitis (320-322) .....	135	-	-	-	-	2	2	-	-	2	6	10	9	26
Other diseases of nervous system and sense organs (323-369) .....	334	1	4	4	5	-	-	-	-	14	10	6	7	37
Acute upper respiratory infections (460-465) .....	24	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491) .....	73	-	-	-	-	5	4	-	-	-	-	-	-	-
Pneumonia and influenza (480-487) .....	367	3	17	7	2	5	4	-	2	40	14	16	9	79
Pneumonia (480-486) .....	384	3	17	7	2	5	4	-	2	40	14	16	9	79
Influenza (487) .....	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519) .....	262	2	9	-	1	1	1	1	-	15	9	3	8	35
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	49	3	6	2	1	-	1	2	-	15	5	-	1	21
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	57	-	-	-	2	-	-	-	-	2	2	3	1	8
Remainder of diseases of digestive system (520-534,536-543,562-579) ..	135	-	3	1	2	-	1	-	-	7	6	5	3	21
Congenital anomalies (740-759) .....	6,442	653	1,562	538	378	216	174	141	123	3,784	510	252	191	4,737
Anencephalus and similar anomalies (740) .....	449	148	212	27	15	6	8	4	4	424	10	5	2	441
Spina bifida (741) .....	54	9	18	2	-	-	1	-	1	31	4	2	1	38
Congenital hydrocephalus (742.3) .....	130	17	16	7	6	4	6	3	-	59	7	4	1	71
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	265	28	42	16	8	6	3	7	4	114	19	13	10	156
Congenital anomalies of heart (745-746) .....	2,062	28	119	120	151	95	79	68	68	726	275	114	85	1,202
Other congenital anomalies of circulatory system (747) .....	425	2	29	47	41	26	14	17	12	188	57	35	23	303
Congenital anomalies of respiratory system (748) .....	856	111	402	136	63	17	13	6	2	749	24	6	8	787
Congenital anomalies of digestive system (749-751) .....	72	5	7	2	6	-	2	1	1	24	8	4	3	39
Congenital anomalies of genitourinary system (752-753) .....	428	93	276	35	9	6	-	2	2	393	5	2	4	404
Congenital anomalies of musculoskeletal system (754-756) .....	488	59	184	77	34	11	6	4	6	381	25	17	12	435
Down's syndrome (758.0) .....	90	9	14	4	1	3	2	1	1	35	3	-	4	42
Other chromosomal anomalies (758.1-758.9) .....	637	50	97	37	29	31	34	23	20	321	62	34	30	447
All other and unspecified congenital anomalies (744,757,759) .....	486	124	146	28	15	10	6	6	2	337	11	18	8	372
Certain conditions originating in the perinatal period (760-779) .....	11,060	1,956	4,609	1,032	593	319	211	180	116	9,016	731	369	242	10,378
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	83	28	31	6	2	1	2	2	1	73	6	1	1	81
Newborn affected by maternal complications of pregnancy (761) .....	875	375	451	24	12	1	-	-	-	883	4	3	1	871
Newborn affected by complications of placenta, cord, and membranes (762) .....	615	270	256	25	20	6	7	6	3	593	10	4	1	608
Newborn affected by other complications of labor and delivery (763) ..	40	15	13	6	1	-	1	-	-	36	1	2	-	39
Slow fetal growth and fetal malnutrition (764) .....	20	5	8	1	-	1	-	-	1	16	2	-	-	18
Disorders relating to short gestation and unspecified low birthweight (765) .....	1,726	547	1,024	68	14	10	3	1	1	1,668	11	5	-	1,684
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	148	5	22	13	29	9	10	4	6	98	32	6	7	143
Intrauterine hypoxia and birth asphyxia (768) .....	527	78	147	55	37	23	25	16	7	388	52	22	19	481
Fetal distress in liveborn infant (768.2-768.4) .....	132	13	23	12	13	8	8	7	2	86	17	8	8	119
Birth asphyxia (768.5-768.9) .....	395	65	124	43	24	15	17	9	5	302	35	14	11	362
Respiratory distress syndrome (769) .....	2,148	49	739	329	213	127	67	66	31	1,621	225	105	53	2,004
Other respiratory conditions of newborn (770) .....	2,269	232	881	255	114	63	37	26	28	1,636	145	77	55	1,913
Infections specific to the perinatal period (771) .....	574	30	149	81	43	19	10	18	10	360	87	65	34	546
Neonatal hemorrhage (772) .....	198	8	33	31	32	18	14	8	7	151	24	15	6	186
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	34	6	11	6	-	2	-	1	2	28	1	2	-	31
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	7	2	3	1	1	-	-	-	-	7	-	-	-	7
Hemorrhagic disease of newborn (776.0) .....	1	-	-	-	-	-	-	-	-	-	1	-	-	1
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	1,795	306	841	131	75	39	35	32	19	1,478	130	82	65	1,765
Symptoms, signs, and ill-defined conditions (780-789) .....	4,342	22	29	11	15	11	6	7	9	110	57	100	102	369
Sudden infant death syndrome (798.0) .....	3,771	-	3	2	8	6	5	2	7	33	40	81	94	248
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	571	22	26	9	7	5	1	5	2	77	17	19	8	121
Accidents and adverse effects (E800-E949) .....	638	5	5	2	3	2	4	1	3	25	10	8	9	52
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	95	-	-	-	-	-	-	1	-	1	2	1	-	4
Accidental mechanical suffocation (E913) .....	120	-	-	-	1	-	1	-	1	3	-	3	2	8
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	423	5	5	2	2	2	3	-	2	21	8	4	7	40
Homicide (E960-E969) .....	180	12	10	2	1	1	-	-	-	26	2	3	3	34
Child battering and other maltreatment (E967) .....	71	1	-	-	-	1	-	-	-	2	-	-	3	5
Other homicide (E960-E966,E968-E969) .....	109	11	10	2	1	-	-	-	-	24	2	3	-	29
All other causes (Residual) .....	1,172	29	75	53	44	46	27	16	15	305	75	53	27	460

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
White, both sexes - All causes .....	2,296	2,089	1,475	966	660	531	422	347	310	239	244
Certain intestinal infections (008-009) .....	21	8	3	4	4	-	2	-	-	1	-
Whooping cough (033) .....	-	2	1	-	-	-	-	-	-	-	-
Meningococcal infection (036) .....	2	6	7	9	9	7	4	2	2	1	2
Septicemia (038) .....	52	29	18	16	5	4	5	7	9	4	6
Viral diseases (045-079) .....	12	17	8	3	4	3	2	1	3	2	4
Congenital syphilis (090) .....	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-044,080-088,091-139) .....	24	12	8	10	10	6	10	6	6	4	6
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	9	6	8	3	6	1	3	4	9	3	8
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	3	3	3	-	1	2	5	-	6	3	2
Diseases of thymus gland (254) .....	1	1	-	2	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	1	3	-	-	1	-	1	-	-	1	-
Diseases of blood and blood-forming organs (280-289) .....	5	6	2	5	3	4	1	5	1	2	1
Meningitis (320-322) .....	14	16	13	14	12	6	10	13	3	6	2
Other diseases of nervous system and sense organs (323-389) .....	49	28	33	36	34	25	24	17	21	18	17
Acute upper respiratory infections (460-465) .....	4	7	1	3	5	-	3	1	-	-	-
Bronchitis and bronchiolitis (466,490-491) .....	5	19	10	12	8	6	3	5	-	4	1
Pneumonia and influenza (480-487) .....	51	76	46	45	22	22	13	10	6	14	3
Pneumonia (480-486) .....	51	76	46	44	22	21	13	9	6	14	3
Influenza (487) .....	-	-	-	1	-	1	-	1	-	-	-
Remainder of diseases of respiratory system (470-478,492-519) .....	49	37	32	23	18	25	12	13	4	6	8
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	6	4	3	3	2	2	2	-	3	2	1
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	24	6	5	3	4	-	4	2	-	-	1
Remainder of diseases of digestive system (520-534,536-543,562-579) ..	20	28	9	15	10	10	4	3	7	4	4
Congenital anomalies (740-759) .....	437	285	231	166	113	115	91	81	67	60	59
Anencephalus and similar anomalies (740) .....	1	3	2	-	-	-	-	-	2	-	-
Spina bifida (741) .....	7	3	-	1	-	-	-	-	-	-	-
Congenital hydrocephalus (742.3) .....	13	12	10	2	2	4	5	2	2	1	5
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	21	14	13	14	11	5	6	10	6	4	5
Congenital anomalies of heart (745-746) .....	201	145	111	86	63	63	54	43	34	31	29
Other congenital anomalies of circulatory system (747) .....	34	19	22	7	9	10	7	4	3	3	4
Congenital anomalies of respiratory system (748) .....	21	7	7	11	2	5	2	6	3	3	2
Congenital anomalies of digestive system (749-751) .....	4	8	3	5	2	4	1	1	1	1	3
Congenital anomalies of genitourinary system (752-753) .....	5	4	4	2	2	2	1	1	-	2	1
Congenital anomalies of musculoskeletal system (754-756) .....	18	9	8	8	2	4	1	3	4	2	3
Down's syndrome (758.0) .....	9	3	6	6	4	6	2	3	4	2	3
Other chromosomal anomalies (758.1-758.9) .....	80	35	25	20	8	6	1	5	3	3	4
All other and unspecified congenital anomalies (744,757,759) .....	23	23	20	4	6	10	7	3	8	4	4
Certain conditions originating in the perinatal period (760-779) .....	204	95	58	68	70	57	42	34	26	13	16
Newborn affected by normal conditions which may be unrelated to present pregnancy (780) .....	1	1	-	-	-	-	-	-	-	-	-
Newborn affected by maternal complications of pregnancy (761) .....	1	1	-	-	2	-	-	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762) .....	5	1	-	-	1	-	-	-	-	1	-
Newborn affected by other complications of labor and delivery (763) ..	-	1	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764) .....	-	1	1	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765) .....	15	6	5	6	3	3	-	2	2	-	-
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	1	3	-	1	-	-	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768) .....	14	3	2	6	6	2	5	1	5	1	1
Fetal distress in liveborn infant (768.2-768.4) .....	3	1	1	2	2	2	1	1	1	-	1
Birth asphyxia (768.5-768.9) .....	11	2	1	4	4	4	4	1	4	1	1
Respiratory distress syndrome (769) .....	66	22	9	12	14	6	4	4	5	2	-
Other respiratory conditions of newborn (770) .....	64	46	33	36	41	46	32	22	14	8	14
Infections specific to the perinatal period (771) .....	15	5	3	-	1	-	-	4	-	-	-
Neonatal hemorrhage (772) .....	1	-	1	-	-	-	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	-	-	1	1	-	-	-	1	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	21	6	3	6	2	-	1	-	-	1	-
Symptoms, signs, and ill-defined conditions (780-799) .....	1,025	1,157	816	394	206	140	92	69	36	22	16
Sudden infant death syndrome (788.0) .....	927	1,026	727	354	183	129	74	49	25	19	10
Symptoms, signs, and all other ill-defined conditions (780-787,788.1-789) .....	98	131	89	40	23	11	18	20	11	3	6
Accidents and adverse effects (E800-E949) .....	75	78	43	43	54	45	51	35	57	45	60
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	14	18	15	7	8	6	9	4	4	3	3
Accidental mechanical suffocation (E913) .....	18	15	10	14	14	8	12	8	7	2	4
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	43	45	18	22	32	31	30	23	46	40	53
Homicide (E960-E969) .....	23	29	20	21	13	7	7	11	6	4	5
Child battering and other maltreatment (E967) .....	9	18	12	8	3	2	5	3	4	1	1
Other homicide (E960-E966,E968-E969) .....	14	11	8	13	10	5	2	8	2	3	4
All other causes (Residual) .....	180	131	97	68	46	44	31	28	39	25	23

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	Total, under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
White, male - All causes	14,878	1,499	3,617	955	596	358	256	194	152	7,827	849	484	336	9,296
Certain intestinal infections (008-009)	22	-	-	-	-	-	-	-	-	-	1	-	-	1
Whooping cough (033)	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	31	-	-	-	-	1	-	-	-	1	-	1	-	2
Septicemia (038)	91	-	-	-	-	-	-	-	-	-	-	-	-	-
Viral diseases (045-079)	44	-	-	-	1	-	-	-	1	2	5	6	1	14
Congenital syphilis (090)	3	-	2	1	-	-	-	-	-	3	-	-	-	3
Remainder of infectious and parasitic diseases (001-007, 010-032,034-036,037,039-041,*042-*044,080-088,091-139)	71	1	2	-	-	-	-	-	-	3	-	1	-	4
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	37	-	2	1	-	1	-	-	-	4	2	-	1	7
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	21	1	2	3	-	1	-	-	-	7	1	-	-	8
Diseases of thymus gland (254)	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	6	1	-	-	-	-	-	-	-	1	-	-	-	1
Diseases of blood and blood-forming organs (280-289)	35	-	1	-	-	1	1	-	-	3	4	3	-	10
Meningitis (320-322)	74	-	-	-	-	2	-	-	-	2	4	4	2	12
Other diseases of nervous system and sense organs (323-389)	187	-	3	3	3	-	-	-	-	9	2	6	3	20
Acute upper respiratory infections (460-465)	14	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491)	48	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and influenza (480-487)	239	1	10	4	1	4	2	-	1	23	11	10	4	48
Pneumonia (480-486)	237	1	10	4	1	4	2	-	1	23	11	10	4	48
Influenza (487)	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	147	-	4	-	1	-	-	1	-	6	5	2	1	14
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	23	1	2	1	-	-	-	1	-	5	1	-	1	7
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	32	-	-	-	-	-	-	-	-	-	1	2	1	4
Remainder of diseases of digestive system (520-534,536-543,562-579)	79	-	1	1	-	-	-	-	-	2	4	-	1	7
Congenital anomalies (740-759)	3,474	345	887	321	223	126	100	67	64	2,133	281	125	94	2,833
Anencephalus and similar anomalies (740)	171	53	77	17	7	6	4	1	-	165	3	2	-	170
Spina bifida (741)	19	4	9	-	-	-	1	-	1	15	2	-	-	17
Congenital hydrocephalus (742.3)	72	14	7	1	3	3	4	2	-	34	5	1	-	40
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	131	13	19	9	3	1	2	1	2	50	12	11	5	78
Congenital anomalies of heart (745-748)	1,140	15	65	77	97	60	48	38	35	435	158	59	45	697
Other congenital anomalies of circulatory system (747)	236	1	15	25	28	14	10	7	9	110	32	16	12	170
Congenital anomalies of respiratory system (748)	532	69	256	82	41	8	7	2	1	466	10	5	6	487
Congenital anomalies of digestive system (749-751)	37	4	3	1	2	-	2	1	1	14	3	1	2	20
Congenital anomalies of genitourinary system (752-753)	312	46	202	30	6	4	-	2	2	292	3	-	4	299
Congenital anomalies of musculoskeletal system (754-756)	263	33	99	42	19	6	3	1	3	206	14	9	4	233
Down's syndrome (758.0)	54	5	9	4	1	2	2	1	-	24	3	-	2	29
Other chromosomal anomalies (758.1-758.9)	259	29	56	18	7	13	13	6	9	151	28	13	11	203
All other and unspecified congenital anomalies (744,757,759)	248	59	70	15	8	9	4	5	1	171	8	8	3	190
Certain conditions originating in the perinatal period (760-779)	6,407	1,115	2,639	582	333	188	128	110	75	5,168	437	237	144	5,986
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	43	12	20	3	2	-	1	-	-	38	2	1	-	41
Newborn affected by maternal complications of pregnancy (761)	491	228	231	15	9	1	-	-	-	484	2	1	1	488
Newborn affected by complications of placenta, cord, and membranes (762)	354	153	158	12	13	3	3	2	1	345	5	1	1	352
Newborn affected by other complications of labor and delivery (763)	18	6	6	3	1	-	1	-	-	17	-	1	-	18
Slow fetal growth and fetal malnutrition (764)	15	3	6	-	-	1	-	-	1	11	2	-	-	13
Disorders relating to short gestation and unspecified low birthweight (765)	985	317	571	40	10	7	1	-	1	947	4	4	-	955
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	80	3	15	4	14	4	7	3	4	54	18	5	2	79
Intrauterine hypoxia and birth asphyxia (768)	308	40	84	36	19	15	16	9	4	222	31	13	11	277
Fetal distress in liveborn infant (768.2-768.4)	78	6	14	8	6	4	4	3	1	46	12	6	4	68
Birth asphyxia (768.5-768.9)	230	34	70	28	13	11	11	6	3	176	19	7	7	209
Respiratory distress syndrome (769)	1,336	22	471	193	116	74	41	47	24	988	154	65	34	1,241
Other respiratory conditions of newborn (770)	1,334	133	516	140	60	40	24	14	16	943	89	47	37	1,116
Infections specific to the perinatal period (771)	322	12	83	50	26	12	7	12	5	207	50	33	19	309
Neonatal hemorrhage (772)	109	1	18	16	16	11	10	6	6	83	11	11	3	106
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	22	4	5	4	-	1	-	1	1	16	1	2	-	19
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	3	1	2	-	-	-	-	-	-	3	-	-	-	3
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	987	180	453	66	47	19	16	17	12	810	68	53	36	967
Symptoms, signs, and ill-defined conditions (780-799)	2,680	10	19	9	6	5	3	5	4	61	35	51	68	215
Sudden infant death syndrome (798.0)	2,345	-	3	2	3	1	2	1	3	15	26	40	63	144
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	335	10	16	7	3	4	1	4	1	46	9	11	5	71
Accidents and adverse effects (E800-E949)	360	4	4	1	2	2	2	-	1	16	7	6	5	34
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	60	-	-	-	-	-	-	-	-	-	-	1	-	1
Accidental mechanical suffocation (E913)	68	-	-	-	-	-	1	-	-	1	-	1	-	3
Other accidental causes and adverse effects (E800-E910,E914-E949)	232	4	4	1	2	2	1	-	1	15	7	4	4	30
Homicide (E960-E969)	89	3	3	-	1	1	-	-	-	8	2	2	2	14
Child battering and other maltreatment (E967)	38	-	-	-	-	1	-	-	-	1	-	-	-	3
Other homicide (E960-E966,E968-E969)	51	3	3	-	1	-	-	-	-	7	2	2	2	11
All other causes (Residual)	660	17	36	28	25	26	22	10	6	170	46	28	8	252

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
White, male - All causes	1,305	1,207	908	601	380	313	233	195	170	138	122
Certain intestinal infections (008-009)	8	3	2	3	3	-	1	-	-	1	-
Whooping cough (033)	-	1	1	-	-	-	-	-	-	-	-
Meningococcal infection (036)	1	4	5	6	5	4	2	1	-	1	-
Septicemia (038)	26	18	11	9	4	2	3	3	7	3	5
Viral diseases (045-079)	5	9	5	2	1	2	-	-	2	2	2
Congenital syphilis (090)	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139)	13	9	5	8	6	5	5	5	6	-	5
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	6	3	3	1	2	1	1	2	5	1	5
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	2	2	2	-	-	-	2	-	2	1	2
Diseases of thymus gland (254)	-	-	-	2	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	1	2	-	1	1	-	-	-	-	1	-
Diseases of blood and blood-forming organs (280-289)	4	5	1	3	3	3	-	4	-	1	1
Meningitis (320-322)	7	6	6	13	5	3	6	9	1	5	1
Other diseases of nervous system and sense organs (323-389)	25	12	22	24	24	13	12	12	10	8	5
Acute upper respiratory infections (460-465)	4	3	1	2	2	-	1	1	-	-	-
Bronchitis and bronchiolitis (466,490-491)	4	12	5	9	6	2	1	5	-	4	-
Pneumonia and influenza (480-487)	34	51	27	31	13	10	10	5	3	6	1
Pneumonia (480-486)	34	51	27	30	13	9	10	5	3	6	1
Influenza (487)	-	-	-	1	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	26	24	24	16	8	14	7	7	2	3	2
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	3	2	1	3	1	2	1	-	1	1	1
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	12	4	3	1	3	-	4	-	-	-	1
Remainder of diseases of digestive system (520-534,536-543,562-579)	14	16	8	10	8	7	2	1	4	1	1
Congenital anomalies (740-759)	208	131	120	82	58	63	46	40	34	34	25
Anencephalus and similar anomalies (740)	-	-	1	-	-	-	-	-	-	-	-
Spina bifida (741)	-	-	-	-	-	-	-	1	1	-	-
Congenital hydrocephalus (742.3)	5	9	6	-	2	2	3	1	1	2	1
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	9	6	5	10	8	2	2	4	3	1	3
Congenital anomalies of heart (745-746)	102	70	61	44	31	35	28	20	20	20	12
Other congenital anomalies of circulatory system (747)	17	7	14	2	5	7	5	2	2	2	3
Congenital anomalies of respiratory system (748)	13	4	6	8	1	3	2	4	1	1	2
Congenital anomalies of digestive system (749-751)	1	5	2	2	2	2	-	1	-	1	1
Congenital anomalies of genitourinary system (752-753)	3	3	2	1	1	1	-	-	-	2	-
Congenital anomalies of musculoskeletal system (754-756)	12	7	2	4	1	-	2	-	-	2	-
Down's syndrome (758.0)	7	2	2	4	1	3	1	2	-	1	2
Other chromosomal anomalies (758.1-758.9)	25	9	9	3	3	4	-	3	-	2	-
All other and unspecified congenital anomalies (744,757,759)	14	9	10	4	3	4	3	2	6	2	1
Certain conditions originating in the perinatal period (760-779)	121	54	37	42	42	42	28	20	17	8	10
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	1	1	-	-	-	-	-	-	-	-	-
Newborn affected by maternal complications of pregnancy (761)	1	1	-	-	1	-	-	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	2	-	-	-	-	-	-	-	-	-	-
Newborn affected by other complications of labor and delivery (763)	-	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	1	1	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	7	6	3	6	2	3	-	2	1	-	-
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	1	-	-	-	-	-	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	8	3	1	4	5	1	3	1	3	1	1
Fetal distress in liveborn infant (768.2-768.4)	2	1	1	1	2	1	1	1	1	1	1
Birth asphyxia (768.5-768.9)	6	2	-	3	3	-	2	1	2	1	1
Respiratory distress syndrome (769)	45	14	6	7	10	5	3	2	2	1	-
Other respiratory conditions of newborn (770)	38	25	21	19	23	33	21	12	11	6	9
Infections specific to the perinatal period (771)	9	1	-	-	1	-	-	2	-	-	-
Neonatal hemorrhage (772)	-	-	1	-	-	-	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	-	-	1	1	-	-	-	1	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	9	2	3	5	-	-	1	-	-	-	-
Symptoms, signs, and ill-defined conditions (780-799)	630	701	523	257	131	88	51	41	19	15	9
Sudden infant death syndrome (798.0)	567	626	475	228	118	84	42	30	10	14	7
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	63	75	48	29	13	4	9	11	9	1	2
Accidents and adverse effects (E800-E949)	42	42	25	23	32	23	31	18	27	30	33
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	10	13	8	5	5	2	6	2	3	2	3
Accidental mechanical suffocation (E913)	8	8	7	8	7	6	6	6	4	1	4
Other accidental causes and adverse effects (E800-E910,E914-E949)	24	21	10	10	20	15	19	10	20	27	26
Homicide (E960-E969)	7	18	11	14	6	4	6	6	3	-	-
Child battering and other maltreatment (E967)	1	10	5	6	2	2	4	2	3	-	-
Other homicide (E960-E966,E968-E969)	6	8	6	8	4	2	2	4	-	-	-
All other causes (Residual)	102	75	60	40	26	25	13	15	27	12	13



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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total, under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
White, female - All causes	11,047	1,197	2,727	705	452	251	175	155	119	5,781	607	381	281	7,050
Certain intestinal infections (008-009)	23	1	-	-	-	-	-	-	-	1	-	-	-	1
Whooping cough (033)	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	23	-	-	-	-	-	-	-	-	-	-	1	-	1
Septicemia (038)	64	-	-	-	-	-	-	-	-	-	-	-	-	-
Viral diseases (045-079)	38	-	-	-	-	-	-	1	1	2	4	-	1	7
Congenital syphilis (090)	1	-	-	-	-	-	-	-	-	-	-	1	-	1
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139)	40	-	1	-	-	-	-	-	1	2	-	2	1	5
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	33	-	1	-	-	-	-	-	-	1	1	1	-	3
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	32	6	4	3	-	2	1	-	-	16	1	1	-	18
Diseases of thymus gland (254)	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	3	-	-	-	-	-	-	-	-	-	-	-	1	1
Diseases of blood and blood-forming organs (280-289)	12	-	-	-	-	-	1	-	-	1	1	-	-	2
Meningitis (320-322)	61	-	-	-	-	-	-	-	-	-	1	6	7	14
Other diseases of nervous system and sense organs (323-389)	147	1	1	1	2	-	-	-	-	5	8	-	4	17
Acute upper respiratory infections (460-465)	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491)	25	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and influenza (480-487)	148	2	7	3	1	1	2	-	1	17	3	6	5	31
Pneumonia (480-486)	147	2	7	3	1	1	2	-	1	17	3	6	5	31
Influenza (487)	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	115	2	5	-	-	1	1	-	-	9	4	1	7	21
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	26	2	4	1	1	-	1	1	-	10	4	-	-	14
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	25	-	-	-	2	-	-	-	-	2	1	1	-	4
Remainder of diseases of digestive system (520-534,536-543,562-579)	56	-	2	-	2	-	1	-	-	5	2	5	2	14
Congenital anomalies (740-759)	2,968	308	675	217	155	89	74	74	59	1,651	229	127	87	2,104
Anencephalus and similar anomalies (740)	278	95	135	10	8	-	4	3	4	259	7	3	2	271
Spina bifida (741)	35	5	9	2	-	-	-	-	-	16	2	2	1	21
Congenital hydrocephalus (742.3)	58	3	9	6	3	1	2	1	-	25	2	3	1	31
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	134	15	23	7	5	5	1	6	2	64	7	2	5	78
Congenital anomalies of heart (745-746)	922	13	54	43	54	35	31	30	33	293	117	55	40	505
Other congenital anomalies of circulatory system (747)	189	1	14	22	12	12	4	10	3	78	25	19	11	133
Congenital anomalies of respiratory system (748)	324	42	146	54	22	9	6	3	1	283	14	1	2	300
Congenital anomalies of digestive system (749-751)	35	1	4	1	4	-	-	-	-	10	5	3	1	19
Congenital anomalies of genitourinary system (752-753)	116	17	74	5	3	2	2	-	-	101	2	2	-	105
Congenital anomalies of musculoskeletal system (754-756)	225	26	85	35	15	5	3	3	3	175	11	8	8	202
Down's syndrome (758.0)	36	4	5	-	-	-	-	-	-	11	1	-	2	13
Other chromosomal anomalies (758.1-758.9)	378	21	41	19	22	18	21	17	11	170	34	21	19	244
All other and unspecified congenital anomalies (744,757,759)	238	65	76	13	7	1	2	1	1	166	3	8	5	182
Certain conditions originating in the perinatal period (760-779)	4,853	841	1,970	450	260	131	85	70	41	3,848	294	152	98	4,392
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	40	16	11	3	-	1	1	2	1	35	4	-	1	40
Newborn affected by maternal complications of pregnancy (761)	384	147	220	9	3	-	-	-	-	379	2	2	-	383
Newborn affected by complications of placenta, cord, and membranes (762)	261	117	98	13	7	3	4	4	2	248	5	3	-	256
Newborn affected by other complications of labor and delivery (763)	22	9	7	3	-	-	-	-	-	19	1	1	-	21
Slow fetal growth and fetal malnutrition (764)	5	2	2	1	-	-	-	-	-	5	-	-	-	5
Disorders relating to short gestation and unspecified low birthweight (765)	741	230	453	26	4	3	2	1	-	721	7	1	-	729
Disorders relating to long gestation and high birthweight (766)	68	2	7	9	15	5	3	1	2	44	14	1	5	64
Birth trauma (767)	219	38	63	19	18	8	10	7	3	166	21	9	8	204
Intrauterine hypoxia and birth asphyxia (768)	54	7	9	4	7	4	4	4	1	40	5	2	4	51
Fetal distress in liveborn infant (768.2-768.4)	165	31	54	15	11	4	6	3	2	126	16	7	4	153
Birth asphyxia (768.5-768.9)	812	27	268	136	97	53	26	19	7	639	71	40	19	763
Other respiratory conditions of newborn (770)	935	99	365	115	54	23	13	12	12	698	55	30	18	797
Infections specific to the perinatal period (771)	252	18	66	31	17	7	3	6	5	153	37	32	15	237
Neonatal hemorrhage (772)	89	7	15	15	16	7	4	3	1	68	13	4	3	88
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	12	2	6	2	-	1	-	-	1	12	-	-	-	12
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	4	1	1	1	1	-	-	-	-	4	-	-	-	4
Hemorrhagic disease of newborn (776.0)	1	-	-	-	-	-	-	-	-	-	1	-	-	1
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	808	126	368	65	28	20	19	15	7	668	62	29	29	768
Symptoms, signs, and ill-defined conditions (780-799)	1,662	12	10	2	9	6	3	2	5	49	22	49	34	154
Sudden infant death syndrome (798.0)	1,426	-	-	5	5	3	1	1	4	18	14	41	31	104
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	236	12	10	2	4	1	-	1	1	31	8	8	3	50
Accidents and adverse effects (E800-E949)	278	1	1	1	1	-	2	1	2	9	3	2	4	18
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	35	-	-	-	-	-	-	1	-	1	2	-	-	3
Accidental mechanical suffocation (E913)	52	-	-	-	1	-	-	-	1	2	-	2	1	5
Other accidental causes and adverse effects (E800-E910,E914-E949)	191	1	1	1	-	-	2	-	1	6	1	-	3	10
Homicide (E960-E969)	91	9	7	2	-	-	-	-	-	18	-	1	1	20
Child battering and other maltreatment (E967)	33	1	-	-	-	-	-	-	-	1	-	-	-	2
Other homicide (E960-E966,E968-E969)	58	8	7	2	-	-	-	-	-	17	-	1	-	18
All other causes (Residual)	512	12	39	25	19	20	5	6	9	135	29	25	19	208

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
White, female - All causes	991	882	567	365	270	218	189	152	140	101	122
Certain intestinal infections (008-009)	13	5	1	1	1	-	1	-	-	-	-
Whooping cough (033)	-	1	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	1	2	2	3	4	3	2	1	2	-	2
Septicemia (038)	26	11	7	7	1	2	2	4	2	1	1
Viral diseases (045-078)	7	8	3	1	3	1	2	1	1	-	2
Congenital syphilis (090)	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139)	11	3	3	2	4	1	5	1	-	4	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	3	3	5	2	4	-	2	2	4	2	3
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	1	1	1	-	1	2	3	-	3	2	-
Diseases of thymus gland (254)	1	1	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	-	1	-	-	-	-	1	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	1	1	1	2	-	1	1	1	1	1	-
Meningitis (320-322)	7	10	7	1	7	3	4	4	2	1	1
Other diseases of nervous system and sense organs (323-389)	24	16	11	12	10	12	12	5	11	5	12
Acute upper respiratory infections (460-465)	-	4	-	1	3	-	2	-	-	-	-
Bronchitis and bronchiolitis (466,490-491)	1	7	5	3	2	4	2	-	-	-	1
Pneumonia and influenza (480-487)	17	25	19	14	9	12	3	5	3	8	2
Pneumonia (480-488)	17	25	19	14	9	12	3	4	3	8	2
Influenza (487)	-	-	-	-	-	-	-	1	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	23	13	8	7	10	11	5	6	2	3	6
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	3	2	2	-	1	-	1	-	2	1	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	12	2	2	2	1	-	2	2	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579)	6	12	1	5	2	3	2	2	3	3	3
Congenital anomalies (740-759)	229	154	111	84	55	52	45	41	33	26	34
Anencephalus and similar anomalies (740)	1	3	1	-	-	-	-	-	2	-	-
Spina bifida (741)	7	3	-	1	-	-	1	1	-	-	-
Congenital hydrocephalus (742.3)	8	3	4	2	-	2	2	1	-	3	2
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	12	8	8	4	3	3	4	6	3	3	2
Congenital anomalies of heart (745-746)	99	75	50	42	32	28	28	23	14	11	17
Other congenital anomalies of circulatory system (747)	17	12	8	5	4	3	2	2	1	1	1
Congenital anomalies of respiratory system (748)	8	3	1	3	1	2	-	2	2	2	-
Congenital anomalies of digestive system (749-751)	3	3	1	3	-	2	1	1	1	-	2
Congenital anomalies of genitourinary system (752-753)	2	1	2	1	1	1	1	1	-	-	1
Congenital anomalies of musculoskeletal system (754-756)	6	2	6	4	1	-	2	1	-	-	1
Down's syndrome (758.0)	2	1	4	2	3	3	1	1	4	1	1
Other chromosomal anomalies (758.1-758.9)	55	26	16	17	5	2	1	2	3	3	4
All other and unspecified congenital anomalies (744,757,759)	9	14	10	-	5	6	4	1	2	2	3
Certain conditions originating in the perinatal period (760-779)	83	41	21	26	28	15	14	14	9	5	5
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	-	-	-	-	-	-	-	-	-	-	-
Newborn affected by maternal complications of pregnancy (761)	-	-	-	-	1	-	-	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	3	-	-	-	1	-	-	-	-	1	-
Newborn affected by other complications of labor and delivery (763)	-	1	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	8	-	2	-	1	-	-	-	1	-	-
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	-	3	-	1	-	-	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	6	-	1	2	1	1	2	-	2	-	-
Fetal distress in liveborn infant (768.2-768.4)	1	-	-	1	-	1	-	-	-	-	-
Birth asphyxia (768.5-768.9)	5	-	1	1	1	1	2	-	2	-	-
Respiratory distress syndrome (769)	21	8	3	5	4	1	1	2	3	1	-
Other respiratory conditions of newborn (770)	26	21	12	17	18	13	11	10	3	2	5
Infections specific to the perinatal period (771)	6	4	3	-	-	-	-	2	-	-	-
Neonatal hemorrhage (772)	1	-	-	-	-	-	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	-	-	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	12	4	-	1	2	-	-	-	-	1	-
Symptoms, signs, and ill-defined conditions (780-789)	395	456	293	137	75	52	41	28	17	7	7
Sudden infant death syndrome (788.0)	360	400	252	126	65	45	32	19	15	5	3
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	35	56	41	11	10	7	9	9	2	2	4
Accidents and adverse effects (E800-E949)	33	36	18	20	22	22	20	17	30	15	27
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	4	5	7	2	3	4	3	2	1	1	-
Accidental mechanical suffocation (E913)	10	7	3	6	7	2	6	2	3	1	-
Other accidental causes and adverse effects (E800-E910,E914-E949)	19	24	8	12	12	16	11	13	26	13	27
Homicide (E960-E969)	16	11	9	7	7	3	1	5	3	4	5
Child battering and other maltreatment (E967)	8	8	7	2	1	-	1	1	1	1	1
Other homicide (E960-E966,E968-E969)	8	3	2	5	6	3	-	4	2	3	4
All other causes (Residual)	78	56	37	28	20	19	18	13	12	13	10

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total, under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
All other, both sexes - All causes	12,985	1,372	3,819	805	450	228	163	110	116	7,063	573	382	326	8,344
Certain intestinal infections (008-009)	40	-	-	-	-	-	-	-	-	-	-	-	1	1
Whooping cough (033)	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	18	-	-	-	-	-	-	-	-	-	-	-	2	2
Septicemia (038)	90	-	-	-	-	-	-	-	-	-	-	-	-	-
Viral diseases (045-079)	30	-	-	-	-	-	-	-	-	-	-	-	1	9
Congenital syphilis (090)	13	-	2	2	-	1	1	-	1	7	1	1	1	10
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-044,080-088,091-139)	96	1	1	-	-	-	-	-	-	2	1	1	1	5
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	19	-	1	-	-	-	1	-	-	2	-	-	-	2
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	7	1	-	2	-	-	-	-	-	3	-	1	-	4
Diseases of thymus gland (254)	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	28	6	1	-	1	-	-	-	-	8	2	-	-	10
Meningitis (320-322)	70	-	-	-	-	-	-	1	-	1	5	5	2	12
Other diseases of nervous system and sense organs (323-389)	120	-	2	1	-	1	-	-	-	5	2	1	-	8
Acute upper respiratory infections (460-465)	19	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491)	42	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and influenza (480-487)	254	-	5	4	8	3	-	1	1	22	11	4	8	45
Pneumonia (480-486)	251	-	5	4	8	3	-	1	1	22	11	4	8	45
Influenza (487)	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	158	2	8	3	-	-	-	-	-	13	-	2	4	19
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (560-563,560)	28	1	2	1	-	-	-	-	-	4	1	2	2	9
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	44	-	-	-	-	-	-	1	1	2	3	1	1	7
Remainder of diseases of digestive system (520-534,536-543,562-579)	68	-	-	-	-	-	1	-	-	1	7	4	3	15
Congenital anomalies (740-759)	1,699	146	373	142	72	58	47	25	29	892	121	82	55	1,160
Anencephalus and similar anomalies (740)	84	21	38	4	3	2	2	-	-	70	1	3	1	75
Spina bifida (741)	15	5	1	-	1	-	-	-	-	7	1	1	-	9
Congenital hydrocephalus (742.3)	41	2	3	-	-	1	-	-	-	6	3	3	3	15
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	68	7	11	7	-	1	-	1	-	27	4	4	2	37
Congenital anomalies of heart (745-746)	520	9	28	25	26	23	27	10	16	164	48	33	23	269
Other congenital anomalies of circulatory system (747)	159	2	19	22	20	11	5	3	3	85	20	9	8	122
Congenital anomalies of respiratory system (748)	253	35	126	30	6	5	2	-	1	205	8	4	2	219
Congenital anomalies of digestive system (749-751)	95	2	2	11	-	1	-	-	-	9	4	2	1	16
Congenital anomalies of genitourinary system (752-753)	77	9	37	11	2	2	1	-	-	62	2	2	1	68
Congenital anomalies of musculoskeletal system (754-756)	113	14	43	21	6	1	2	-	-	89	7	3	3	102
Down's syndrome (758.0)	29	-	3	1	5	-	-	-	-	4	-	-	-	4
Other chromosomal anomalies (758.1-758.9)	158	8	19	8	5	10	7	6	9	72	15	12	9	108
All other and unspecified congenital anomalies (744,757,759)	147	32	43	10	3	1	1	2	-	92	7	7	2	108
Certain conditions originating in the perinatal period (760-779)	6,976	1,176	3,352	606	329	139	103	65	76	5,848	349	226	143	6,564
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	64	12	21	2	8	5	-	1	-	49	7	-	-	56
Newborn affected by maternal complications of pregnancy (761)	536	194	309	16	4	1	1	2	1	528	2	-	1	531
Newborn affected by complications of placenta, cord, and membranes (762)	292	113	141	16	5	1	3	-	1	280	6	4	1	291
Newborn affected by other complications of labor and delivery (763)	20	6	9	1	-	1	1	-	-	18	1	-	-	19
Slow fetal growth and fetal malnutrition (764)	18	1	9	2	4	1	-	1	-	18	-	-	-	18
Disorders relating to short gestation and unspecified low birthweight (765)	1,542	416	987	75	17	5	3	-	1	1,504	6	2	2	1,514
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	68	2	14	9	11	6	3	4	2	51	8	6	1	68
Intrauterine hypoxia and birth asphyxia (768)	250	45	86	26	13	9	7	8	3	197	24	14	8	243
Fetal distress in liveborn infant (768.2-768.4)	61	8	16	3	4	1	3	3	1	39	12	6	2	59
Birth asphyxia (768.5-768.9)	189	37	70	23	9	8	4	5	2	158	12	8	6	184
Respiratory distress syndrome (769)	1,033	30	392	190	100	42	22	15	22	813	73	35	33	954
Other respiratory conditions of newborn (770)	1,319	127	548	131	77	24	27	10	16	960	60	48	29	1,095
Infections specific to the perinatal period (771)	304	12	84	25	30	9	8	4	4	180	51	40	16	287
Neonatal hemorrhage (772)	126	6	25	24	18	13	4	2	5	97	16	5	7	125
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	11	-	4	-	2	-	-	-	1	7	-	-	1	8
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	1	-	-	-	-	-	-	-	-	-	-	1	-	1
Hemorrhagic disease of newborn (776.0)	2	-	-	1	-	-	-	-	-	1	1	-	-	2
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	1,390	212	723	88	40	22	24	14	20	1,143	94	73	44	1,354
Symptoms, signs, and ill-defined conditions (780-799)	2,144	13	28	13	9	5	2	7	3	80	32	31	75	218
Sudden infant death syndrome (798.0)	1,705	1	3	3	5	3	2	6	1	24	16	21	59	120
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	439	12	25	10	4	2	-	1	2	56	16	10	16	98
Accidents and adverse effects (E800-E949)	298	7	3	3	-	-	1	-	1	15	1	3	3	22
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	50	-	-	1	-	-	-	-	-	1	-	1	1	3
Accidental mechanical suffocation (E913)	78	-	-	-	-	-	-	-	-	-	1	-	2	3
Other accidental causes and adverse effects (E800-E910,E914-E949)	170	7	3	2	-	-	1	-	1	14	-	2	-	16
Homicide (E960-E969)	135	15	3	-	-	1	-	-	-	19	3	-	4	26
Child battering and other maltreatment (E967)	37	1	-	-	-	-	-	-	-	1	1	-	1	3
Other homicide (E960-E966,E968-E969)	98	14	3	-	-	1	-	-	-	18	2	-	3	23
All other causes (Residual)	586	4	38	28	31	20	7	9	4	141	28	16	17	202

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
All other, both sexes - All causes	1,117	991	670	491	392	246	186	179	133	121	125
Certain intestinal infections (008-009)	21	5	6	5	2	-	-	-	-	-	-
Whooping cough (033)	-	-	1	-	-	-	-	-	-	-	-
Meningococcal infection (036)	5	2	2	1	2	-	-	2	1	-	1
Septicemia (038)	40	10	11	9	6	4	-	2	2	1	5
Viral diseases (045-079)	7	4	3	2	2	1	-	-	-	1	1
Congenital syphilis (090)	1	2	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139)	16	14	8	18	10	8	4	4	6	2	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	3	-	-	2	-	1	1	-	3	2	5
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	-	2	-	-	-	-	-	-	-	-	1
Diseases of thyroid gland (254)	-	1	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	2	4	1	3	1	3	-	1	-	1	2
Meningitis (320-322)	10	9	8	8	6	4	3	6	2	1	1
Other diseases of nervous system and sense organs (323-389)	16	7	14	10	17	12	9	7	6	8	6
Acute upper respiratory infections (460-465)	3	4	1	5	2	1	2	-	1	-	-
Bronchitis and bronchiolitis (466,490-491)	5	9	6	7	4	3	1	1	1	1	1
Pneumonia and influenza (480-487)	46	42	33	24	21	9	8	7	6	11	3
Pneumonia (480-486)	46	42	33	24	20	9	8	7	4	10	3
Influenza (487)	-	-	-	-	1	-	-	-	1	1	-
Remainder of diseases of respiratory system (470-478,492-519)	33	28	13	18	17	11	7	3	5	2	2
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	3	1	2	4	3	-	2	-	1	1	2
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	14	8	5	2	4	2	-	2	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579)	13	7	5	4	5	3	4	4	3	2	3
Congenital anomalies (740-759)	140	85	73	52	47	32	31	24	27	21	17
Anencephalus and similar anomalies (740)	4	-	-	2	-	1	-	-	-	1	1
Spina bifida (741)	4	1	-	-	-	-	-	-	1	-	-
Congenital hydrocephalus (742.3)	2	6	2	3	5	1	1	2	-	1	3
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	11	5	4	-	4	1	-	3	2	-	1
Congenital anomalies of heart (745-748)	69	32	40	18	17	22	13	10	11	13	6
Other congenital anomalies of circulatory system (747)	11	10	5	2	1	-	3	-	1	2	2
Congenital anomalies of respiratory system (748)	5	6	2	6	5	-	4	3	1	1	1
Congenital anomalies of digestive system (749-751)	3	2	3	1	2	2	-	1	4	1	-
Congenital anomalies of genitourinary system (752-753)	4	2	1	1	-	-	-	-	2	-	-
Congenital anomalies of musculoskeletal system (754-756)	2	1	2	3	1	-	1	-	1	-	-
Down's syndrome (758.0)	2	5	2	4	2	-	5	-	2	-	2
Other chromosomal anomalies (758.1-758.9)	18	10	6	5	4	3	-	1	1	1	1
All other and unspecified congenital anomalies (744,757,759)	5	5	6	7	6	2	3	3	1	1	-
Certain conditions originating in the perinatal period (760-779)	111	55	56	51	40	27	23	16	14	10	9
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	2	1	1	-	1	1	2	-	-	-	-
Newborn affected by maternal complications of pregnancy (761)	1	-	2	-	1	-	1	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	1	-	-	-	-	-	-	-	-	-	-
Newborn affected by other complications of labor and delivery (763)	1	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	10	5	4	4	3	2	-	-	-	-	-
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	-	-	-	1	1	-	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	2	-	4	-	-	1	-	-	-	-	-
Fetal distress in liveborn infant (768.2-768.4)	1	-	-	-	-	1	-	-	-	-	-
Birth asphyxia (768.5-768.9)	1	-	4	-	-	-	-	-	-	-	-
Respiratory distress syndrome (769)	23	11	9	15	6	3	2	6	1	2	1
Other respiratory conditions of newborn (770)	38	27	30	30	27	19	16	9	13	8	7
Infections specific to the perinatal period (771)	11	1	3	-	-	-	2	-	-	-	-
Neonatal hemorrhage (772)	-	-	1	-	-	-	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	2	1	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	20	9	2	1	1	1	-	1	-	-	1
Symptoms, signs, and ill-defined conditions (780-799)	485	552	339	199	129	86	41	43	22	14	15
Sudden infant death syndrome (798.0)	420	471	280	165	104	62	28	27	15	6	7
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	65	81	59	34	25	24	13	16	7	8	9
Accidents and adverse effects (E800-E949)	33	43	33	29	25	22	19	17	16	19	20
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	11	3	12	5	4	2	2	4	2	1	1
Accidental mechanical suffocation (E913)	11	19	7	5	9	10	6	4	-	2	2
Other accidental causes and adverse effects (E800-E910,E914-E949)	11	21	14	19	12	10	11	9	14	16	17
Homicide (E960-E969)	11	24	14	10	8	1	7	11	4	9	10
Child battering and other maltreatment (E967)	1	9	4	2	1	1	2	5	1	4	4
Other homicide (E960-E966,E968-E969)	10	15	10	8	7	-	5	6	3	5	6
All other causes (Residual)	99	73	36	28	31	16	24	29	14	15	19

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total, under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
All other, male - All causes	7,129	745	2,114	455	242	141	82	56	73	3,908	315	225	167	4,615
Certain Intestinal Infections (008-009)	24	-	-	-	-	-	-	-	-	-	-	-	1	1
Whooping cough (033)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	9	-	-	-	-	-	-	-	-	-	-	-	1	1
Septicemia (038)	44	...	...	...	...	...	...	...	...	...	...	...	...	...
Viral diseases (045-079)	18	-	-	-	-	-	-	-	-	-	5	1	-	6
Congenital syphilis (090)	5	-	1	1	-	1	-	-	-	3	-	-	-	3
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-044, 080-088, 091-139)	48	1	1	-	-	-	-	-	-	2	1	-	-	3
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	9	-	-	-	-	-	-	-	-	-	-	-	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	5	1	-	1	-	-	-	-	-	2	-	1	-	3
Diseases of thymus gland (254)	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	1	-	-	-	-	-	-	-	-	-	-	1	-	1
Diseases of blood and blood-forming organs (280-289)	12	2	-	-	1	-	-	-	-	3	1	1	1	4
Meningitis (320-322)	36	-	-	-	-	-	-	1	-	1	1	-	-	4
Other diseases of nervous system and sense organs (323-389)	71	-	2	-	-	1	-	-	-	3	1	-	-	4
Acute upper respiratory infections (460-465)	11	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491)	25	-	-	-	-	-	-	-	-	-	-	-	2	2
Pneumonia and influenza (480-487)	142	-	2	2	6	3	-	1	1	15	4	2	3	24
Pneumonia (480-486)	141	-	2	2	6	3	-	1	1	15	4	2	3	24
Influenza (487)	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-476,492-519)	90	1	5	-	-	-	-	-	-	6	-	1	3	10
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	13	1	1	1	-	-	-	-	-	3	-	2	1	6
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	26	-	-	-	-	-	-	-	1	1	3	1	1	6
Remainder of diseases of digestive system (520-534,536-543,562-579)	43	-	-	-	-	-	-	-	-	-	4	3	2	9
Congenital anomalies (740-759)	910	82	196	74	43	37	21	13	17	483	68	55	31	637
Anencephalus and similar anomalies (740)	30	7	13	1	1	1	-	-	-	23	-	3	1	27
Spina bifida (741)	8	3	-	-	1	-	-	-	-	4	-	1	-	5
Congenital hydrocephalus (742.3)	22	2	1	-	-	1	-	-	-	4	1	3	-	8
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	37	4	8	3	-	1	-	-	-	16	4	4	1	25
Congenital anomalies of heart (745-746)	282	4	19	12	17	15	12	7	10	96	26	20	13	155
Other congenital anomalies of circulatory system (747)	87	2	9	11	14	6	2	2	1	47	13	5	4	69
Congenital anomalies of respiratory system (748)	151	20	75	15	2	3	2	-	1	118	6	4	2	129
Congenital anomalies of digestive system (749-751)	15	1	2	1	-	1	-	1	-	6	2	2	-	10
Congenital anomalies of genitourinary system (752-753)	43	6	21	7	1	1	-	-	-	36	1	1	-	38
Congenital anomalies of musculoskeletal system (754-756)	55	8	17	11	1	1	1	-	-	39	5	2	2	48
Down's syndrome (758.0)	15	-	2	-	-	-	-	-	-	2	-	-	-	2
Other chromosomal anomalies (758.1-758.9)	77	3	10	5	3	6	4	2	5	38	8	5	6	57
All other and unspecified congenital anomalies (744,757,759)	88	22	19	8	3	1	-	1	-	54	3	5	2	64
Certain conditions originating in the perinatal period (760-779)	3,873	637	1,874	347	176	83	55	32	49	3,253	195	129	72	3,649
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	34	6	14	2	4	3	-	1	-	30	2	-	-	32
Newborn affected by maternal complications of pregnancy (761)	295	106	168	9	3	-	1	2	-	289	1	-	1	291
Newborn affected by complications of placenta, cord, and membranes (762)	148	56	76	6	5	-	-	-	-	143	3	2	-	148
Newborn affected by other complications of labor and delivery (763)	12	5	5	-	-	1	-	-	-	11	-	-	-	11
Slow fetal growth and fetal malnutrition (764)	10	1	6	2	1	-	-	-	-	10	-	-	-	10
Disorders relating to short gestation and unspecified low birthweight (765)	874	248	556	40	8	4	1	-	-	857	4	2	1	864
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	43	-	7	8	5	4	2	3	1	30	7	5	1	43
Intrauterine hypoxia and birth asphyxia (768)	133	22	48	14	9	6	4	2	2	107	10	8	5	130
Fetal distress in liveborn infant (768.2-768.4)	25	4	6	1	3	-	1	1	1	17	4	3	1	25
Birth asphyxia (768.5-768.9)	108	18	42	13	6	6	3	1	1	90	6	5	4	105
Respiratory distress syndrome (769)	578	15	229	108	56	19	10	6	15	458	42	18	20	538
Other respiratory conditions of newborn (770)	752	69	300	73	38	17	18	6	11	532	39	27	17	615
Infections specific to the perinatal period (771)	159	7	49	14	18	5	3	4	2	102	22	20	5	149
Neonatal hemorrhage (772)	75	3	17	17	9	7	3	-	2	58	13	3	1	75
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	7	-	3	-	1	-	-	-	1	5	-	-	-	5
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	2	-	-	1	-	-	-	-	-	1	1	-	-	2
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	751	99	396	53	19	17	13	8	15	620	51	44	21	736
Symptoms, signs, and ill-defined conditions (780-799)	1,181	8	11	8	3	2	1	5	2	40	18	21	36	115
Sudden infant death syndrome (798.0)	950	1	1	2	1	1	1	5	-	12	8	16	29	85
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	231	7	10	6	2	1	-	-	2	28	10	5	7	50
Accidents and adverse effects (E800-E949)	170	5	1	2	-	-	-	-	-	8	1	1	1	11
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	29	-	-	1	-	-	-	-	-	1	-	-	1	2
Accidental mechanical suffocation (E913)	43	-	-	-	-	-	-	-	-	-	1	-	-	1
Other accidental causes and adverse effects (E800-E910,E914-E949)	98	5	1	1	-	-	-	-	-	7	-	1	-	8
Homicide (E960-E969)	62	6	2	-	-	-	-	-	-	8	1	-	3	12
Child battering and other maltreatment (E967)	15	-	-	-	-	-	-	-	-	-	-	-	-	2
Other homicide (E960-E966,E968-E969)	47	6	2	-	-	-	-	-	-	8	-	-	2	10
All other causes (Residual)	300	1	18	19	13	14	5	4	3	77	12	6	9	104

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
All other, male - All causes .....	606	561	359	251	211	139	97	92	67	67	64
Certain intestinal infections (008-009) .....	13	3	3	3	1	-	-	-	-	-	-
Whooping cough (033) .....	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036) .....	5	-	1	1	-	-	-	-	1	-	-
Septicemia (038) .....	18	4	7	5	3	2	-	-	1	1	3
Viral diseases (045-079) .....	5	2	2	1	1	-	-	-	-	-	1
Congenital syphilis (090) .....	-	2	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042,*044,080-088,091-139) .....	7	8	3	8	5	6	2	2	3	-	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	1	-	-	1	-	1	1	-	2	2	1
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	-	1	-	-	-	-	-	-	-	-	1
Diseases of thymus gland (254) .....	-	1	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289) .....	1	2	-	1	-	1	-	-	-	1	2
Meningitis (320-322) .....	5	6	5	4	4	1	2	4	-	1	-
Other diseases of nervous system and sense organs (323-389) .....	7	5	8	6	13	8	5	3	3	5	4
Acute upper respiratory infections (460-465) .....	3	2	1	3	1	-	1	-	-	-	-
Bronchitis and bronchiolitis (466,490-491) .....	3	6	4	3	3	1	1	1	-	1	-
Pneumonia and influenza (480-487) .....	25	24	18	13	16	5	4	2	2	2	2
Pneumonia (480-486) .....	25	24	18	13	15	5	4	2	2	7	2
Influenza (487) .....	-	-	-	-	1	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519) .....	21	15	7	7	11	8	5	1	4	-	1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	1	-	1	-	3	-	1	-	-	-	1
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	7	5	4	2	1	-	-	1	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579) ..	7	2	4	2	3	3	2	4	2	2	3
Congenital anomalies (740-759) .....	78	40	31	23	22	21	17	14	8	11	8
Anencephalus and similar anomalies (740) .....	2	-	-	1	-	-	-	-	-	-	-
Spina bifida (741) .....	2	1	-	-	-	-	-	-	-	-	-
Congenital hydrocephalus (742.3) .....	2	2	1	-	4	1	-	1	-	1	2
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	6	2	1	-	1	1	-	1	-	-	-
Congenital anomalies of heart (745-746) .....	39	16	14	7	10	15	6	7	4	5	4
Other congenital anomalies of circulatory system (747) .....	6	5	2	1	-	-	1	-	1	2	-
Congenital anomalies of respiratory system (748) .....	4	3	1	4	1	-	4	2	1	1	1
Congenital anomalies of digestive system (749-751) .....	2	1	2	-	1	-	1	1	1	-	-
Congenital anomalies of genitourinary system (752-753) .....	1	1	1	-	-	-	1	-	-	-	-
Congenital anomalies of musculoskeletal system (754-756) .....	2	1	1	2	-	-	1	-	1	-	-
Down's syndrome (758.0) .....	1	3	-	3	2	-	3	-	-	-	1
Other chromosomal anomalies (758.1-758.9) .....	8	2	4	1	2	2	-	-	-	1	-
All other and unspecified congenital anomalies (744,757,759) .....	5	3	4	4	2	1	1	3	-	1	-
Certain conditions originating in the perinatal period (760-779) .....	54	34	27	26	26	11	14	10	12	6	4
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	1	-	-	-	-	-	1	-	-	-	-
Newborn affected by maternal complications of pregnancy (761) .....	-	-	2	-	1	-	-	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762) .....	-	-	-	-	-	-	-	-	-	-	-
Newborn affected by other complications of labor and delivery (763) ..	1	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764) .....	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765) .....	3	2	1	2	2	-	-	-	-	-	-
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	-	-	-	-	-	-	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768) .....	1	-	2	-	-	-	-	-	-	-	-
Fetal distress in liveborn infant (768.2-768.4) .....	-	-	-	-	-	-	-	-	-	-	-
Birth asphyxia (768.5-768.9) .....	1	-	2	-	-	-	-	-	-	-	-
Respiratory distress syndrome (769) .....	10	7	5	9	2	1	1	3	1	1	-
Other respiratory conditions of newborn (770) .....	20	19	16	15	20	10	10	7	11	5	4
Infections specific to the perinatal period (771) .....	8	1	-	-	-	-	1	-	-	-	-
Neonatal hemorrhage (772) .....	-	-	-	-	-	-	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	1	1	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	9	4	1	-	1	-	-	-	-	-	-
Symptoms, signs, and ill-defined conditions (780-799) .....	277	325	186	107	62	50	15	19	10	9	6
Sudden Infant death syndrome (798.0) .....	239	273	157	92	54	37	10	11	6	4	2
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	38	52	29	15	8	13	5	8	4	5	4
Accidents and adverse effects (E800-E949) .....	13	27	22	14	13	12	13	11	12	10	12
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	5	2	7	3	4	-	2	2	1	1	-
Accidental mechanical suffocation (E913) .....	5	12	5	-	4	7	5	3	-	-	1
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	3	13	10	11	5	5	6	6	11	9	11
Homicide (E960-E969) .....	6	11	7	5	3	1	2	6	-	3	6
Child battering and other maltreatment (E967) .....	1	3	2	-	1	1	3	3	-	1	1
Other homicide (E960-E966,E968-E969) .....	5	8	5	5	2	2	2	3	-	2	5
All other causes (Residual) .....	49	36	18	16	20	8	12	14	7	8	8

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	Total, under year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
All other, female - All causes	5,856	627	1,705	350	208	87	81	54	43	3,155	258	157	159	3,729
Certain intestinal infections (008-009)	16	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (033)	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	9	-	-	-	-	-	-	-	-	-	-	-	1	1
Septicemia (038)	46	-	-	-	-	-	-	-	-	-	-	-	-	-
Viral diseases (045-079)	12	-	-	-	-	-	-	-	-	-	2	-	1	3
Congenital syphilis (090)	8	-	1	1	-	-	1	-	1	4	1	1	1	7
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139)	48	-	-	-	-	-	-	-	-	-	-	1	1	2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	10	-	1	-	-	-	1	-	-	2	-	-	-	2
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	2	-	-	1	-	-	-	-	-	1	-	-	-	1
Diseases of thymus gland (254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	16	4	1	-	-	-	-	-	-	5	1	-	-	6
Meningitis (320-322)	34	-	-	-	-	-	-	-	-	3	3	4	1	8
Other diseases of nervous system and sense organs (323-389)	49	-	-	1	-	-	-	1	-	2	1	1	-	4
Acute upper respiratory infections (460-465)	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491)	17	-	-	-	-	-	-	-	-	-	-	-	1	1
Pneumonia and influenza (480-487)	112	-	3	2	2	-	-	-	-	7	7	2	6	21
Pneumonia (480-486)	110	-	3	2	2	-	-	-	-	7	7	2	5	21
Influenza (487)	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	68	1	3	3	-	-	-	-	-	7	-	1	1	9
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	15	-	1	-	-	-	-	-	-	1	1	-	1	3
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	18	-	-	-	-	-	-	1	1	1	-	-	-	1
Remainder of diseases of digestive system (520-534,536-543,562-579)	25	-	-	-	-	-	1	-	-	1	3	1	1	6
Congenital anomalies (740-759)	789	64	177	68	29	21	26	12	12	409	53	27	24	513
Ancephalus and similar anomalies (740)	54	14	25	3	2	1	2	-	-	47	1	-	-	48
Spina bifida (741)	7	2	1	-	-	-	-	-	-	3	1	-	-	4
Congenital hydrocephalus (742.0)	19	-	2	-	-	-	-	-	-	2	2	-	3	7
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	31	3	3	4	-	-	-	1	-	11	-	-	1	12
Congenital anomalies of heart (745-748)	238	5	9	13	9	8	15	3	6	68	23	13	10	114
Other congenital anomalies of circulatory system (747)	72	-	10	11	6	5	3	1	2	38	7	4	4	53
Congenital anomalies of respiratory system (748)	102	15	51	15	4	2	-	-	-	67	3	-	-	90
Congenital anomalies of digestive system (749-751)	20	1	-	2	-	-	-	-	-	3	2	-	1	6
Congenital anomalies of genitourinary system (752-753)	34	3	16	4	1	1	1	-	-	26	1	-	-	28
Congenital anomalies of musculoskeletal system (754-756)	58	6	26	10	5	-	1	2	-	50	2	1	1	54
Down's syndrome (758.0)	14	-	1	1	-	-	-	-	-	2	-	-	-	2
Other chromosomal anomalies (758.1-758.9)	81	5	9	3	2	4	3	4	4	34	7	7	3	51
All other and unspecified congenital anomalies (744,757,759)	59	10	24	2	-	-	1	1	-	38	4	2	-	44
Certain conditions originating in the perinatal period (760-779)	3,103	539	1,478	259	153	56	48	33	27	2,593	154	97	71	2,915
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	30	6	7	-	4	2	-	-	-	19	5	-	-	24
Newborn affected by maternal complications of pregnancy (761)	241	88	141	7	1	1	-	-	1	239	1	-	-	240
Newborn affected by complications of placenta, cord, and membranes (762)	144	57	65	10	-	1	3	-	1	137	3	2	1	143
Newborn affected by other complications of labor and delivery (763)	8	1	4	1	-	1	-	-	-	7	1	-	-	8
Slow fetal growth and fetal malnutrition (764)	8	-	3	-	3	1	-	1	-	8	-	-	-	8
Disorders relating to short gestation and unspecified low birthweight (765)	668	168	431	35	9	1	2	-	1	847	2	-	1	650
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	25	2	7	1	6	2	1	1	1	21	1	1	-	23
Intrauterine hypoxia and birth asphyxia (768)	117	23	38	12	4	3	3	6	1	80	14	6	3	113
Fetal distress in liveborn infant (768.2-768.4)	36	4	10	2	1	1	2	2	-	22	8	3	1	34
Birth asphyxia (768.5-768.9)	81	19	28	10	3	2	1	4	1	68	6	3	2	79
Respiratory distress syndrome (769)	455	15	163	82	44	23	12	9	7	355	31	17	13	416
Other respiratory conditions of newborn (770)	567	58	248	58	39	7	9	4	5	428	21	19	12	480
Infections specific to the perinatal period (771)	145	5	35	11	12	4	5	4	2	78	29	20	11	138
Neonatal hemorrhage (772)	51	3	8	7	9	6	1	2	3	39	3	2	6	50
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	4	-	1	-	1	-	-	-	-	2	-	-	1	3
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	1	-	-	-	-	-	-	-	-	-	-	1	-	1
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	639	113	327	35	21	5	11	6	6	523	43	29	23	618
Symptoms, signs, and ill-defined conditions (780-799)	963	5	17	5	6	3	1	2	1	40	14	10	39	103
Sudden infant death syndrome (788.0)	755	-	2	1	4	2	1	1	1	12	8	5	30	55
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	208	5	15	4	2	1	-	1	-	28	6	5	9	48
Accidents and adverse effects (E800-E949)	128	2	2	1	-	-	1	-	1	7	-	2	2	11
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	21	-	-	-	-	-	-	-	-	-	-	1	-	1
Accidental mechanical suffocation (E913)	35	-	-	-	-	-	-	-	-	-	-	-	2	2
Other accidental causes and adverse effects (E800-E910,E914-E949)	72	2	2	1	-	-	1	-	1	7	-	1	-	8
Homicide (E960-E969)	73	9	1	-	-	1	-	-	-	11	2	-	1	14
Child battering and other maltreatment (E967)	22	1	-	-	-	-	-	-	-	1	-	-	-	1
Other homicide (E960-E966,E968-E969)	51	8	1	-	-	1	-	-	-	10	2	-	1	13
All other causes (Residual)	286	3	20	9	18	6	2	5	1	64	16	10	8	98

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
All other, female - All causes	511	430	311	240	171	107	89	87	66	54	61
Certain intestinal infections (008-009)	8	2	3	2	1	-	-	-	-	-	-
Whooping cough (033)	-	-	1	-	-	-	-	-	-	-	-
Meningococcal infection (036)	-	2	1	-	2	-	-	2	-	-	-
Septicemia (038)	22	6	4	4	3	2	-	2	1	-	2
Viral diseases (045-079)	2	2	1	1	1	1	-	-	-	1	-
Congenital syphilis (090)	1	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139)	9	6	5	10	5	2	2	2	3	2	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	2	-	-	1	-	-	-	-	1	-	4
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	-	1	-	-	-	-	-	-	-	-	-
Diseases of thymus gland (254)	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	1	2	1	2	1	2	-	1	-	-	-
Meningitis (320-322)	5	3	3	4	2	3	1	2	2	-	1
Other diseases of nervous system and sense organs (323-389)	9	2	6	4	4	4	4	4	3	3	2
Acute upper respiratory infections (460-465)	-	2	-	2	1	1	1	-	1	-	-
Bronchitis and bronchiolitis (466,490-491)	2	3	2	4	1	2	-	-	1	-	1
Pneumonia and influenza (480-487)	21	18	15	11	5	4	4	5	3	4	1
Pneumonia (480-486)	21	18	15	11	5	4	4	5	2	3	1
Influenza (487)	-	-	-	-	-	-	-	-	1	1	-
Remainder of diseases of respiratory system (470-478,492-519)	12	13	6	11	6	3	2	2	1	2	1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	2	1	1	4	-	-	1	-	1	1	1
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	7	3	1	-	3	2	-	1	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579)	6	5	1	2	2	-	2	-	1	-	-
Congenital anomalies (740-759)	62	45	42	29	25	11	14	10	19	10	9
Anencephalus and similar anomalies (740)	2	-	-	1	-	1	-	-	-	1	1
Spina bifida (741)	2	-	-	-	-	-	-	-	1	-	-
Congenital hydrocephalus (742.3)	-	4	1	3	1	-	1	1	-	-	1
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	5	3	3	-	3	-	-	2	2	-	1
Congenital anomalies of heart (745-746)	39	16	26	11	7	7	7	3	7	8	2
Other congenital anomalies of circulatory system (747)	5	5	3	1	1	-	2	-	-	-	2
Congenital anomalies of respiratory system (748)	1	3	1	2	4	-	-	1	-	-	-
Congenital anomalies of digestive system (749-751)	3	1	1	1	2	1	-	1	3	1	-
Congenital anomalies of genitourinary system (752-753)	2	1	-	1	-	-	-	-	2	-	-
Congenital anomalies of musculoskeletal system (754-756)	1	1	1	1	1	-	-	-	-	-	-
Down's syndrome (758.0)	1	2	2	1	-	-	2	1	2	-	1
Other chromosomal anomalies (758.1-758.9)	10	8	2	4	2	1	1	1	1	-	1
All other and unspecified congenital anomalies (744,757,759)	-	2	2	3	4	1	2	-	1	-	-
Certain conditions originating in the perinatal period (760-779)	57	21	29	25	14	16	9	6	2	4	5
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	1	1	1	-	1	1	1	-	-	-	-
Newborn affected by maternal complications of pregnancy (761)	1	-	-	-	-	-	-	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	1	-	-	-	-	-	-	-	-	-	-
Newborn affected by other complications of labor and delivery (763)	-	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	7	3	3	2	1	2	-	-	-	-	-
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	-	-	-	1	1	-	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	1	-	2	-	-	1	-	-	-	-	-
Fetal distress in liveborn infant (768.2-768.4)	1	-	-	-	-	1	-	-	-	-	-
Birth asphyxia (768.5-768.9)	-	-	2	-	-	-	-	-	-	-	-
Respiratory distress syndrome (769)	13	4	4	6	4	2	1	3	-	1	1
Other respiratory conditions of newborn (770)	18	8	14	15	7	9	6	2	2	3	3
Infections specific to the perinatal period (771)	3	-	3	-	-	-	1	-	-	-	-
Neonatal hemorrhage (772)	-	-	1	-	-	-	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	1	-	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-776.9,778.1-779)	11	5	1	1	-	1	-	1	-	-	1
Symptoms, signs, and ill-defined conditions (780-799)	208	227	153	92	67	36	26	24	12	5	10
Sudden infant death syndrome (798.0)	181	198	123	73	50	25	18	16	9	2	5
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	27	29	30	19	17	11	8	8	3	3	5
Accidents and adverse effects (E800-E949)	20	16	11	15	12	10	6	6	4	9	8
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	6	1	5	2	-	2	-	2	1	-	1
Accidental mechanical suffocation (E913)	6	7	2	5	5	3	1	1	-	2	1
Other accidental causes and adverse effects (E800-E910,E914-E949)	8	8	4	8	7	5	5	3	3	7	6
Homicide (E960-E969)	5	13	7	5	5	-	5	5	4	6	4
Child battering and other maltreatment (E967)	-	6	2	2	-	-	2	3	1	3	3
Other homicide (E960-E966,E968-E969)	5	7	5	3	5	-	3	3	3	3	1
All other causes (Residual)	50	37	18	12	11	8	12	15	7	7	11



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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044; see Technical Appendix]

Cause of death, race, and sex	Total, under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
<b>Black, both sexes - All causes</b> .....	<b>11,840</b>	<b>1,269</b>	<b>3,588</b>	<b>743</b>	<b>414</b>	<b>199</b>	<b>142</b>	<b>101</b>	<b>112</b>	<b>6,568</b>	<b>512</b>	<b>340</b>	<b>275</b>	<b>7,695</b>
Certain intestinal infections (008-009) .....	39	-	-	-	-	-	-	-	-	-	-	-	1	1
Whooping cough (033) .....	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036) .....	16	-	-	-	-	-	-	-	-	-	-	-	1	1
Septicemia (038) .....	62	-	-	-	-	-	-	-	-	-	-	-	-	-
Viral diseases (045-079) .....	25	-	-	-	-	-	-	-	-	-	7	1	1	9
Congenital syphilis (090) .....	13	-	2	2	-	1	1	-	1	7	1	1	1	10
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042,*044,080-088,091-139) .....	94	1	1	-	-	-	-	-	-	2	1	1	1	5
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	18	-	1	-	-	-	1	-	-	2	-	-	-	2
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	4	1	-	1	-	-	-	-	-	2	-	-	-	3
Diseases of thymus gland (254) .....	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	1	-	-	-	-	-	-	-	-	-	-	1	-	1
Diseases of blood and blood-forming organs (280-289) .....	19	-	-	-	-	-	-	-	-	-	2	-	-	2
Meningitis (320-322) .....	62	-	-	-	-	-	-	1	-	1	4	5	2	12
Other diseases of nervous system and sense organs (323-389) .....	104	-	1	1	-	1	-	1	-	4	2	1	-	7
Acute upper respiratory infections (460-465) .....	16	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491) .....	37	-	-	-	-	-	-	-	-	-	-	-	3	3
Pneumonia and influenza (480-487) .....	224	-	5	4	7	2	-	1	1	20	10	4	7	41
Pneumonia (480-486) .....	222	-	5	4	7	2	-	1	1	20	10	4	7	41
Influenza (487) .....	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519) .....	135	2	8	2	-	-	-	-	-	12	-	2	4	18
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	27	1	1	1	-	-	-	-	-	3	1	2	2	8
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	40	-	-	-	-	-	-	1	1	2	2	1	1	6
Remainder of diseases of digestive system (520-534,536-543,562-579) ..	63	-	-	-	-	-	1	-	-	1	7	4	3	15
<b>Congenital anomalies (740-759)</b> .....	<b>1,410</b>	<b>122</b>	<b>310</b>	<b>123</b>	<b>61</b>	<b>44</b>	<b>38</b>	<b>22</b>	<b>26</b>	<b>746</b>	<b>103</b>	<b>65</b>	<b>40</b>	<b>954</b>
Anencephalus and similar anomalies (740) .....	62	16	30	1	2	1	1	-	-	51	1	2	-	54
Spina bifida (741) .....	14	4	1	-	1	-	-	-	-	6	1	1	-	8
Congenital hydrocephalus (742.3) .....	36	-	3	-	-	1	-	-	-	4	3	2	3	12
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	55	6	9	6	-	1	-	1	-	23	4	3	1	31
Congenital anomalies of heart (745-746) .....	434	9	24	24	25	17	24	8	15	146	42	28	15	231
Other congenital anomalies of circulatory system (747) .....	138	2	16	20	17	10	4	3	3	75	17	8	6	108
Congenital anomalies of respiratory system (748) .....	217	32	105	26	4	4	2	-	-	173	8	4	2	187
Congenital anomalies of digestive system (749-751) .....	26	2	1	3	-	1	-	1	-	8	3	-	1	12
Congenital anomalies of genitourinary system (752-753) .....	64	5	33	10	2	-	1	-	-	51	1	1	1	54
Congenital anomalies of musculoskeletal system (754-756) .....	89	11	35	16	5	1	1	2	-	71	5	3	2	81
Down's syndrome (758.0) .....	24	-	3	-	-	-	-	-	-	4	-	-	-	4
Other chromosomal anomalies (758.1-758.9) .....	127	5	16	7	3	7	5	5	8	58	11	11	7	85
All other and unspecified congenital anomalies (744,757,759) .....	124	30	34	9	2	1	-	2	-	78	7	2	2	89
<b>Certain conditions originating in the perinatal period (760-779)</b> .....	<b>6,566</b>	<b>1,105</b>	<b>3,193</b>	<b>572</b>	<b>314</b>	<b>127</b>	<b>92</b>	<b>62</b>	<b>75</b>	<b>5,540</b>	<b>314</b>	<b>207</b>	<b>122</b>	<b>6,183</b>
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	57	11	20	2	7	5	-	1	-	46	6	-	-	52
Newborn affected by maternal complications of pregnancy (761) .....	509	185	291	16	4	1	1	2	1	501	2	-	1	504
Newborn affected by complications of placenta, cord, and membranes (762) .....	268	104	130	13	5	1	3	-	1	257	6	4	-	267
Newborn affected by other complications of labor and delivery (763) ..	18	4	9	1	-	1	1	-	-	18	1	-	-	17
Slow fetal growth and fetal malnutrition (764) .....	18	1	9	2	4	1	-	1	-	18	-	-	-	18
Disorders relating to short gestation and unspecified low birthweight (765) .....	1,478	395	950	72	16	5	3	-	1	1,442	5	2	2	1,451
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	59	1	13	9	11	6	2	4	2	48	6	3	1	58
Intrauterine hypoxia and birth asphyxia (768) .....	232	44	82	24	13	9	5	8	3	188	20	13	6	227
Fetal distress in liveborn infant (768.2-768.4) .....	56	7	16	3	4	1	2	3	1	37	11	6	1	55
Birth asphyxia (768.5-768.9) .....	176	37	66	21	9	8	3	5	2	151	9	7	5	172
Respiratory distress syndrome (769) .....	957	27	362	180	86	39	18	14	22	758	66	33	27	884
Other respiratory conditions of newborn (770) .....	1,241	118	524	123	74	19	24	9	15	906	54	43	27	1,030
Infections specific to the perinatal period (771) .....	279	10	76	24	30	8	8	4	4	168	47	34	14	263
Neonatal hemorrhage (772) .....	116	6	24	22	17	10	4	1	5	89	15	5	6	115
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	10	-	4	-	2	-	-	-	1	7	-	-	-	7
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Hemorrhagic disease of newborn (776.0) .....	2	-	-	1	-	-	-	-	-	1	1	-	-	2
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	1,321	199	699	83	35	22	23	14	20	1,095	85	69	38	1,287
Symptoms, signs, and ill-defined conditions (780-799) .....	1,918	13	26	11	6	4	2	6	3	71	29	29	66	195
Sudden infant death syndrome (798.0) .....	1,520	1	3	3	2	2	2	5	1	19	16	20	53	108
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	398	12	23	8	4	2	-	1	2	52	13	9	13	87
<b>Accidents and adverse effects (E800-E949)</b> .....	<b>281</b>	<b>7</b>	<b>3</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>14</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>20</b>
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	48	-	-	1	-	-	-	-	-	1	-	1	1	3
Accidental mechanical suffocation (E913) .....	72	-	-	-	-	-	-	-	-	-	1	-	2	3
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	161	7	3	2	-	-	-	-	1	13	-	1	-	14
<b>Homicide (E960-E969)</b> .....	<b>127</b>	<b>14</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>17</b>	<b>3</b>	<b>-</b>	<b>4</b>	<b>24</b>
Child battering and other maltreatment (E967) .....	34	-	-	-	-	-	-	-	-	1	1	-	1	3
Other homicide (E960-E966,E968-E969) .....	93	13	2	-	-	-	-	-	-	16	-	-	3	21
All other causes (Residual) .....	517	3	35	23	26	19	7	7	4	124	25	13	13	175

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
<b>Black, both sexes - All causes</b> .....	<b>1,006</b>	<b>879</b>	<b>606</b>	<b>438</b>	<b>332</b>	<b>220</b>	<b>170</b>	<b>156</b>	<b>117</b>	<b>112</b>	<b>109</b>
Certain intestinal infections (008-009) .....	21	5	5	5	2	-	-	-	-	-	-
Whooping cough (033) .....	-	-	1	-	-	-	-	-	-	-	-
Meningococcal infection (036) .....	5	2	2	1	2	-	-	2	1	-	-
Septicemia (038) .....	37	8	11	7	6	4	-	2	2	1	4
Viral diseases (045-079) .....	6	4	1	1	2	-	-	-	-	1	1
Congenital syphilis (090) .....	1	2	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139) .....	15	13	8	18	10	8	4	4	6	2	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	3	-	-	2	-	1	1	-	2	2	5
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	-	-	-	-	-	-	-	-	-	-	1
Diseases of thymus gland (254) .....	-	1	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289) .....	2	3	1	3	1	3	-	1	-	1	2
Meningitis (320-322) .....	9	8	8	6	5	4	3	4	2	1	1
Other diseases of nervous system and sense organs (323-389) .....	14	6	12	10	15	10	8	5	5	7	5
Acute upper respiratory infections (460-465) .....	3	4	1	5	1	1	1	-	-	-	-
Bronchitis and bronchiolitis (466,490-491) .....	4	9	6	4	4	3	1	1	1	-	-
Pneumonia and influenza (480-487) .....	42	33	27	23	18	8	8	7	4	10	3
Pneumonia (480-486) .....	42	33	27	23	18	8	8	7	3	9	3
Influenza (487) .....	-	-	-	-	-	-	-	-	1	1	-
Remainder of diseases of respiratory system (470-478,492-519) .....	29	24	11	16	13	10	5	2	4	1	2
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	3	1	2	4	3	-	2	-	1	1	2
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	13	7	5	2	4	2	-	1	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579) ..	12	7	5	3	4	2	4	3	3	2	3
Congenital anomalies (740-759) .....	113	70	65	41	39	27	26	21	22	20	12
Anencephalus and similar anomalies (740) .....	3	-	-	2	-	1	-	-	-	1	1
Spina bifida (741) .....	4	1	-	-	-	-	-	-	1	-	-
Congenital hydrocephalus (742.3) .....	2	6	2	3	5	-	1	1	1	1	3
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	10	2	3	-	3	1	-	2	2	2	1
Congenital anomalies of heart (745-746) .....	55	23	38	14	14	18	10	9	9	12	3
Other congenital anomalies of circulatory system (747) .....	8	10	5	1	1	-	3	1	1	2	1
Congenital anomalies of respiratory system (748) .....	4	5	1	6	4	-	4	3	1	1	1
Congenital anomalies of digestive system (749-751) .....	2	2	2	2	2	2	1	1	2	1	-
Congenital anomalies of genitourinary system (752-753) .....	4	2	1	1	-	-	-	-	1	-	-
Congenital anomalies of musculoskeletal system (754-756) .....	1	1	2	3	2	3	1	1	1	1	2
Down's syndrome (758.0) .....	2	4	2	3	3	3	3	1	1	1	-
Other chromosomal anomalies (758.1-758.9) .....	15	9	6	3	3	3	3	3	1	1	-
All other and unspecified congenital anomalies (744,757,759) .....	3	5	6	7	4	2	3	3	1	1	-
Certain conditions originating in the perinatal period (760-779) .....	103	51	52	48	37	24	21	14	14	10	9
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	2	-	-	-	1	1	1	-	-	-	-
Newborn affected by maternal complications of pregnancy (761) .....	1	-	2	-	1	-	-	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762) .....	1	-	-	-	-	-	-	-	-	-	-
Newborn affected by other complications of labor and delivery (763) ..	1	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764) .....	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765) .....	9	5	4	4	3	2	-	-	-	-	-
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	-	-	3	-	1	-	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768) .....	2	-	-	-	-	-	-	-	-	-	-
Fetal distress in liveborn infant (768.2-768.4) .....	1	-	3	-	-	-	-	-	-	-	-
Birth asphyxia (768.5-768.9) .....	1	-	-	-	-	-	-	-	-	-	-
Respiratory distress syndrome (769) .....	21	10	9	14	5	3	2	5	1	2	1
Other respiratory conditions of newborn (770) .....	35	25	28	29	25	17	15	9	13	8	7
Infections specific to the perinatal period (771) .....	10	1	-	-	-	-	2	-	-	-	-
Neonatal hemorrhage (772) .....	1	-	1	-	-	-	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	2	1	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	19	9	2	1	1	1	-	-	-	-	1
Symptoms, signs, and ill-defined conditions (780-799) .....	440	492	305	178	111	75	39	37	20	12	14
Sudden infant death syndrome (798.0) .....	380	423	250	145	88	52	28	22	13	6	7
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	60	69	55	33	23	23	13	15	7	6	7
Accidents and adverse effects (E800-E949) .....	30	41	33	26	23	21	19	17	15	18	18
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	9	3	12	5	4	2	2	4	2	1	1
Accidental mechanical suffocation (E913) .....	11	18	7	5	7	9	6	4	-	1	1
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	10	20	14	16	12	10	11	9	13	16	16
Homicide (E960-E969) .....	10	21	14	10	8	1	7	10	3	9	10
Child battering and other maltreatment (E967) .....	-	8	4	2	1	1	2	4	1	4	4
Other homicide (E960-E966,E968-E969) .....	10	13	10	8	7	-	5	6	2	5	6
All other causes (Residual) .....	81	67	91	25	24	16	21	25	13	13	16

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix.]

Cause of death, race, and sex	Total, under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
Black, male - All causes	6,503	695	1,989	423	224	122	71	52	69	3,645	280	201	137	4,263
Certain intestinal infections (008-009)	23	-	-	-	-	-	-	-	-	-	-	-	1	1
Whooping cough (035)	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	37	-	-	-	-	-	-	-	-	-	-	-	-	-
Septicemia (038)	16	-	-	-	-	-	-	-	-	-	-	-	-	-
Viral diseases (045-079)	5	-	1	1	-	1	-	-	-	3	-	-	-	3
Congenital syphilis (090)	47	1	1	-	-	-	-	-	-	2	1	-	-	3
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-044, 080-088, 091-139)	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	4	1	-	1	-	-	-	-	-	2	-	1	-	3
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of thyroid gland (254)	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	9	-	-	-	-	-	-	-	-	-	1	1	-	1
Diseases of blood and blood-forming organs (280-289)	34	-	-	-	-	-	-	1	-	1	1	1	1	4
Meningitis (320-322)	61	-	1	-	-	1	-	-	-	2	1	-	-	3
Other diseases of nervous system and sense organs (323-389)	11	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute upper respiratory infections (460-465)	23	-	-	-	-	-	-	-	-	-	-	-	2	2
Bronchitis and bronchiolitis (466, 490-491)	123	-	2	2	5	2	-	1	1	13	4	2	3	22
Pneumonia and influenza (480-487)	123	-	2	2	5	2	-	1	1	13	4	2	3	22
Influenza (487)	77	1	5	-	-	-	-	-	-	6	-	1	3	10
Remainder of diseases of respiratory system (470-478, 492-519)	13	1	1	1	-	-	-	-	-	3	-	2	1	6
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553, 560)	24	-	-	-	-	-	-	-	1	1	2	1	1	5
Gastritis, duodenitis, and noninfective enteritis and colitis (535, 555-558)	39	-	-	-	-	-	-	-	-	4	3	1	2	9
Remainder of diseases of digestive system (520-534, 536-543, 562-579)	747	66	164	66	38	27	17	11	14	403	56	42	19	520
Congenital anomalies (740-759)	19	4	10	-	-	-	-	-	-	15	-	2	-	17
Anencephalus and similar anomalies (740)	7	2	1	-	1	-	-	-	-	3	-	1	-	4
Spina bifida (741)	17	-	1	-	-	1	-	-	-	2	1	2	-	5
Congenital hydrocephalus (742.3)	31	4	7	3	-	1	-	-	-	15	4	3	-	22
Other congenital anomalies of central nervous system and eye (742.0-742.2, 742.4-742.9, 743)	227	4	15	12	17	10	9	5	9	81	21	15	7	124
Congenital anomalies of heart (745-746)	76	2	8	9	12	6	2	2	1	42	11	5	3	61
Other congenital anomalies of circulatory system (747)	130	17	61	15	1	3	-	-	-	99	5	4	2	110
Congenital anomalies of respiratory system (748)	12	1	1	1	1	1	-	1	-	5	2	-	-	7
Congenital anomalies of digestive system (749-751)	35	3	19	7	1	-	-	-	-	30	-	1	1	31
Other congenital anomalies of genitourinary system (752-753)	42	7	14	7	1	1	-	-	-	30	3	2	1	36
Congenital anomalies of musculoskeletal system (754-756)	12	-	2	-	-	-	-	-	-	2	-	-	-	2
Down's syndrome (758.0)	65	2	10	5	2	3	4	2	4	32	6	5	4	47
Other chromosomal anomalies (758.1-758.9)	74	20	16	7	2	1	-	1	-	47	3	2	2	54
All other and unspecified congenital anomalies (744, 757, 759)	3,660	605	1,785	329	170	75	48	31	48	3,091	177	122	61	3,451
Certain conditions originating in the perinatal period (760-779)	34	6	14	2	4	3	-	1	-	30	2	-	-	32
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	280	102	157	9	3	3	1	2	-	274	1	-	1	276
Newborn affected by maternal complications of pregnancy (761)	139	53	70	6	5	-	-	-	-	134	3	2	-	139
Newborn affected by complications of placenta, cord, and membranes (762)	10	3	5	1	-	1	-	-	-	9	-	-	-	9
Newborn affected by other complications of labor and delivery (763)	10	1	6	2	1	-	-	-	-	10	-	-	-	10
Slow fetal growth and fetal malnutrition (764)	837	235	535	39	7	4	1	-	-	821	3	2	1	827
Disorders relating to short gestation and unspecified low birthweight (765)	39	-	7	8	5	4	1	3	1	29	6	3	1	39
Disorders relating to long gestation and high birthweight (766)	121	22	45	13	9	6	2	2	2	101	7	7	3	118
Birth trauma (767)	22	4	6	1	3	-	-	1	1	16	3	3	-	22
Intrauterine hypoxia and birth asphyxia (768)	99	18	39	12	6	6	2	1	1	85	4	4	3	96
Fetal distress in liveborn infant (768.2-768.4)	537	14	213	102	53	17	9	5	15	423	37	17	17	499
Birth asphyxia (768.5-768.9)	704	64	287	67	38	13	16	6	10	501	34	27	16	578
Respiratory distress syndrome (769)	151	7	47	13	18	4	3	4	2	88	22	18	4	142
Other respiratory conditions of newborn (770)	71	3	17	16	9	6	3	-	2	56	12	3	-	71
Infections specific to the perinatal period (771)	7	-	3	-	1	-	-	-	1	5	-	-	-	5
Neonatal hemorrhage (772)	2	-	-	-	-	-	-	-	-	1	1	-	-	2
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	718	95	379	51	17	17	12	8	15	594	49	43	18	704
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	8	11	6	2	2	2	1	5	2	37	15	19	32	103
Hemorrhagic disease of newborn (776.0)	843	1	1	2	-	1	1	5	-	11	8	15	26	60
All other and ill-defined conditions originating in the perinatal period (775.2-775.9, 776.1-779)	207	7	10	4	2	1	-	-	2	26	7	4	6	43
Symptoms, signs, and ill-defined conditions (780-799)	1,050	8	11	6	2	2	1	5	2	37	15	19	32	103
Sudden infant death syndrome (798.0)	843	1	1	2	-	1	1	5	-	11	8	15	26	60
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799)	207	7	10	4	2	1	-	-	2	26	7	4	6	43
Accidents and adverse effects (E800-E949)	160	5	1	2	-	-	-	-	-	8	1	-	1	10
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	28	-	-	1	-	-	-	-	-	1	-	-	-	2
Accidental mechanical suffocation (E913)	40	-	-	-	-	-	-	-	-	-	1	-	-	1
Other accidental causes and adverse effects (E800-E910, E914-E949)	92	5	1	1	-	-	-	-	-	7	-	-	-	7
Homicide (E960-E969)	58	6	1	-	-	-	-	-	-	7	1	-	3	11
Child battering and other maltreatment (E967)	13	-	-	-	-	-	-	-	-	-	1	-	1	2
Other homicide (E960-E966, E968-E969)	45	6	1	-	-	-	-	-	-	7	-	-	2	9
All other causes (Residual)	264	1	16	15	9	14	5	3	3	66	11	5	7	89

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
<b>Black, male - All causes</b> .....	<b>545</b>	<b>493</b>	<b>327</b>	<b>217</b>	<b>186</b>	<b>120</b>	<b>90</b>	<b>81</b>	<b>62</b>	<b>62</b>	<b>57</b>
Certain intestinal infections (008-009) .....	13	3	2	3	1	-	-	-	-	-	-
Whooping cough (033) .....	-	-	-	1	-	-	-	-	-	-	-
Meningococcal infection (036) .....	5	3	1	3	3	2	-	-	1	1	2
Septicemia (038) .....	15	3	7	3	3	2	-	-	-	-	-
Viral diseases (045-079) .....	4	2	1	1	1	-	-	-	-	-	1
Congenital syphilis (090) .....	-	2	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139) .....	7	7	3	8	5	6	2	2	3	-	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	1	-	-	1	-	1	1	-	1	2	1
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	-	-	-	-	-	-	-	-	-	-	1
Diseases of thymus gland (254) .....	-	1	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	1	2	-	1	-	1	-	-	-	1	2
Diseases of blood and blood-forming organs (280-289) .....	5	6	5	3	4	1	2	3	-	1	-
Meningitis (320-322) .....	5	5	5	6	12	6	4	2	2	4	4
Other diseases of nervous system and sense organs (323-389) .....	7	5	6	6	-	-	-	-	-	-	-
Acute upper respiratory infections (460-465) .....	3	2	1	3	1	-	1	-	-	-	-
Bronchitis and bronchiolitis (466,490-491) .....	2	6	4	2	3	1	1	1	1	1	1
Pneumonia and influenza (480-487) .....	23	17	15	12	14	4	4	2	2	6	2
Pneumonia (480-486) .....	23	17	15	12	14	4	4	2	2	6	2
Influenza (487) .....	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519) .....	19	12	6	6	8	7	4	1	3	-	1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (560-563,560) .....	1	-	1	-	3	-	1	-	-	-	1
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	7	4	4	2	1	-	-	1	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	6	2	4	2	2	2	2	3	2	2	3
Congenital anomalies (740-758) .....	62	34	29	18	18	17	15	11	7	11	5
Anencephalus and similar anomalies (740) .....	1	-	-	1	-	-	-	-	-	-	-
Spina bifida (741) .....	2	1	-	-	-	-	-	-	-	-	-
Congenital hydrocephalus (742.3) .....	2	2	1	-	4	-	-	-	-	1	2
Other congenital anomalies of central nervous system and eyes (742.0-742.2,742.4-742.9,743) .....	6	-	1	-	1	1	-	-	-	-	-
Congenital anomalies of heart (745-746) .....	30	13	14	6	8	12	5	6	3	5	1
Other congenital anomalies of circulatory system (747) .....	4	5	2	-	-	-	1	-	1	2	-
Congenital anomalies of respiratory system (748) .....	3	3	-	4	1	-	4	2	1	1	1
Congenital anomalies of digestive system (749-751) .....	-	1	2	-	-	1	-	-	1	-	-
Congenital anomalies of genitourinary system (752-753) .....	2	1	-	-	-	-	1	-	-	-	-
Congenital anomalies of musculoskeletal system (754-756) .....	1	1	1	1	-	-	1	-	1	-	-
Down's syndrome (758.0) .....	1	2	-	2	2	-	2	-	-	-	1
Other chromosomal anomalies (758.1-758.9) .....	7	2	4	-	2	2	-	-	-	1	-
All other and unspecified congenital anomalies (744,757,759) .....	3	3	4	4	-	1	1	3	-	1	-
Certain conditions originating in the perinatal period (760-779) .....	49	32	25	24	24	10	13	10	12	6	4
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	1	-	-	-	-	-	1	-	-	-	-
Newborn affected by maternal complications of pregnancy (761) .....	-	-	2	-	1	-	1	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762) .....	1	-	-	-	-	-	-	-	-	-	-
Newborn affected by other complications of labor and delivery (763) .....	1	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764) .....	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765) .....	3	2	1	2	2	-	-	-	-	-	-
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	-	-	-	-	-	-	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768) .....	1	-	2	-	-	-	-	-	-	-	-
Fetal distress in liveborn infant (768.2-768.4) .....	-	-	-	-	-	-	-	-	-	-	-
Birth asphyxia (768.5-768.9) .....	1	-	2	-	-	-	-	-	-	-	-
Respiratory distress syndrome (769) .....	9	7	5	8	2	1	1	3	1	1	-
Other respiratory conditions of newborn (770) .....	18	17	14	14	18	9	9	7	11	5	4
Infections specific to the perinatal period (771) .....	7	1	-	-	-	-	1	-	-	-	-
Neonatal hemorrhage (772) .....	-	-	-	-	-	-	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	1	1	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	8	4	1	-	1	-	-	-	-	8	4
Symptoms, signs, and ill-defined conditions (780-799) .....	253	285	169	92	55	42	14	15	10	8	4
Sudden infant death syndrome (798.0) .....	219	240	141	77	47	30	9	8	6	4	2
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	34	45	28	15	8	12	5	7	4	4	2
Accidents and adverse effects (E800-E949) .....	12	26	22	11	12	11	13	11	11	10	11
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	4	2	7	3	4	-	2	2	1	1	-
Accidental mechanical suffocation (E913) .....	5	12	5	-	3	6	5	3	-	-	-
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	3	12	10	8	5	5	6	6	10	9	11
Homicide (E960-E989) .....	5	10	7	5	3	1	2	5	-	3	6
Child battering and other maltreatment (E967) .....	-	3	2	5	1	1	-	2	-	1	1
Other homicide (E960-E966,E968-E969) .....	5	7	5	5	2	2	2	3	-	2	5
All other causes (Residual) .....	45	32	15	13	16	8	11	14	7	6	8

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix.]

Cause of death, race, and sex	Total under 1 year	Under 1 hour	1-23 hours	1 day	2 days	3 days	4 days	5 days	6 days	Under 7 days	7-13 days	14-20 days	21-27 days	Under 28 days
<b>Black, female - All causes</b> .....	<b>5,337</b>	<b>574</b>	<b>1,599</b>	<b>320</b>	<b>190</b>	<b>77</b>	<b>71</b>	<b>49</b>	<b>43</b>	<b>2,923</b>	<b>232</b>	<b>139</b>	<b>138</b>	<b>3,432</b>
Certain intestinal infections (008-009) .....	16	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (033) .....	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036) .....	8	-	-	-	-	-	-	-	-	-	-	-	1	1
Septicemia (038) .....	45	...	...	...	...	...	...	...	...	...	...	...	...	...
Viral diseases (045-079) .....	9	-	-	-	-	-	-	-	-	-	2	-	1	3
Congenital syphilis (090) .....	8	-	1	1	-	-	1	-	1	4	1	1	1	7
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-*044, 080-088, 091-139) .....	47	-	-	-	-	-	-	-	-	-	-	1	1	2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	10	-	1	-	-	-	1	-	-	2	-	-	-	2
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289) .....	10	-	-	-	-	-	-	-	-	-	1	-	-	1
Meningitis (320-322) .....	28	-	-	-	-	-	-	-	-	-	3	4	1	8
Other diseases of nervous system and sense organs (323-389) .....	43	-	-	1	-	-	-	1	-	2	1	1	-	4
Acute upper respiratory infections (460-465) .....	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491) .....	14	-	-	-	-	-	-	-	-	-	-	-	1	1
Pneumonia and influenza (480-487) .....	101	-	3	2	2	-	-	-	-	7	6	2	4	19
Pneumonia (480-486) .....	99	-	3	2	2	-	-	-	-	7	6	2	4	19
Influenza (487) .....	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519) .....	58	1	3	2	-	-	-	-	-	6	-	1	1	8
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-563,560) .....	14	-	-	-	-	-	-	-	-	-	1	-	1	2
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	16	-	-	-	-	-	-	1	-	1	-	-	-	1
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	24	-	-	-	-	-	1	-	-	1	3	1	1	6
<b>Congenital anomalies (740-759)</b> .....	<b>663</b>	<b>56</b>	<b>146</b>	<b>57</b>	<b>23</b>	<b>17</b>	<b>21</b>	<b>11</b>	<b>12</b>	<b>343</b>	<b>47</b>	<b>23</b>	<b>21</b>	<b>434</b>
Anencephalus and similar anomalies (740) .....	43	12	20	1	1	1	1	-	-	36	1	-	-	37
Spina bifida (741) .....	7	2	1	-	-	-	-	-	-	3	1	-	-	4
Congenital hydrocephalus (742.3) .....	19	-	2	-	-	-	-	-	-	2	2	-	3	7
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	24	2	2	3	-	-	-	1	-	8	-	-	1	9
Congenital anomalies of heart (745-746) .....	207	5	9	12	8	7	15	3	6	65	21	13	8	107
Other congenital anomalies of circulatory system (747) .....	62	-	8	11	5	4	2	1	2	33	6	3	3	45
Congenital anomalies of respiratory system (748) .....	87	15	44	11	3	1	-	-	-	74	3	-	-	77
Congenital anomalies of digestive system (749-751) .....	14	1	-	2	-	-	-	-	-	3	1	-	1	6
Congenital anomalies of genitourinary system (752-753) .....	29	2	14	3	1	-	1	-	-	21	1	-	1	23
Congenital anomalies of musculoskeletal system (754-756) .....	47	4	21	9	4	-	1	2	-	41	2	1	1	45
Down's syndrome (758.0) .....	12	-	1	1	-	-	-	-	-	2	-	-	-	2
Other chromosomal anomalies (758.1-758.9) .....	62	3	6	2	1	4	1	3	4	24	5	6	3	38
All other and unspecified congenital anomalies (744,757,759) .....	50	10	18	2	-	-	-	1	-	31	4	-	-	35
<b>Certain conditions originating in the perinatal period (760-779)</b> .....	<b>2,906</b>	<b>500</b>	<b>1,408</b>	<b>243</b>	<b>144</b>	<b>62</b>	<b>44</b>	<b>31</b>	<b>27</b>	<b>2,449</b>	<b>137</b>	<b>85</b>	<b>61</b>	<b>2,792</b>
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	23	5	6	-	3	2	-	-	-	16	4	-	-	20
Newborn affected by maternal complications of pregnancy (761) .....	229	83	134	7	1	1	-	-	1	227	1	-	-	228
Newborn affected by complications of placenta, cord, and membranes (762) .....	129	51	60	7	-	1	3	-	1	123	3	2	-	128
Newborn affected by other complications of labor and delivery (763) .....	8	1	4	1	-	1	-	-	-	7	1	-	-	8
Slow fetal growth and fetal malnutrition (764) .....	8	-	3	-	3	1	-	1	-	8	-	-	-	8
Disorders relating to short gestation and unspecified low birthweight (765) .....	641	160	415	33	9	1	2	-	1	621	2	-	1	624
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	20	1	6	1	6	2	1	1	1	19	-	-	-	19
Intrauterine hypoxia and birth asphyxia (768) .....	111	22	37	11	4	3	3	6	1	87	13	6	3	109
Fetal distress in liveborn infant (768.2-768.4) .....	34	3	10	2	1	1	2	2	-	21	8	3	1	33
Birth asphyxia (768.5-768.9) .....	77	19	27	9	3	2	1	4	1	66	5	3	2	76
Respiratory distress syndrome (769) .....	420	13	149	78	43	22	9	9	7	330	29	16	10	385
Other respiratory conditions of newborn (770) .....	537	54	237	56	36	6	8	3	5	405	20	16	11	452
Infections specific to the perinatal period (771) .....	128	3	29	11	12	4	5	4	2	70	25	16	10	121
Neonatal hemorrhage (772) .....	45	3	7	6	8	4	1	1	3	33	3	2	6	44
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	3	-	1	-	1	-	-	-	-	2	-	-	-	2
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	1	-	-	-	-	-	-	-	-	-	-	1	-	1
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-776.9,776.1-779) .....	603	104	320	32	18	5	11	6	5	501	36	26	20	583
Symptoms, signs, and ill-defined conditions (780-799) .....	868	5	15	5	4	2	1	1	1	34	14	10	34	82
Sudden infant death syndrome (798.0) .....	677	-	2	1	2	1	1	-	1	8	8	5	27	48
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	191	5	13	4	2	1	-	1	-	26	6	5	7	44
Accidents and adverse effects (E800-E949) .....	121	2	2	1	-	-	-	-	1	6	-	2	2	10
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	20	-	-	-	-	-	-	-	-	-	-	1	-	1
Accidental mechanical suffocation (E913) .....	32	-	-	-	-	-	-	-	-	-	-	-	2	2
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	69	2	2	1	-	-	-	-	1	6	-	1	-	7
Homicide (E960-E969) .....	69	8	1	-	-	1	-	-	-	10	2	-	1	13
Child battering and other maltreatment (E967) .....	21	1	-	-	-	-	-	-	-	1	-	-	-	1
Other homicide (E960-E966,E968-E969) .....	48	7	1	-	-	1	-	-	-	9	2	-	1	12
All other causes (Residual) .....	253	2	19	8	17	5	2	4	1	58	14	8	6	86

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Table 2-16. Deaths Under 1 Year From 61 Selected Causes, by Age, Race, and Sex: United States, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death, race, and sex	28-59 days	2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	10 months	11 months
Black, female - All causes	461	386	279	221	146	100	80	75	55	50	52
Certain intestinal infections (008-009)	8	2	3	2	1	-	-	-	-	-	-
Whooping cough (033)	-	-	1	-	-	-	-	-	-	-	-
Meningococcal infection (036)	-	2	1	-	2	-	-	2	-	-	-
Septicemia (038)	22	5	4	4	3	2	-	2	1	-	2
Viral diseases (045-078)	2	2	-	-	1	-	-	-	-	1	-
Congenital syphilis (090)	1	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-*044, 080-089, 091-139)	8	6	5	10	5	2	2	2	3	2	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	2	-	-	1	-	-	-	-	1	-	4
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	-	-	-	-	-	-	-	-	-	-	-
Diseases of thymus gland (254)	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	1	1	1	2	1	2	-	1	-	-	-
Meningitis (320-322)	4	2	3	3	1	3	1	1	2	-	-
Other diseases of nervous system and sense organs (323-389)	7	1	6	4	3	4	4	3	3	3	1
Acute upper respiratory infections (460-465)	-	2	-	2	-	1	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491)	2	3	2	2	1	2	-	-	-	-	1
Pneumonia and influenza (480-487)	19	16	12	11	4	4	4	5	2	4	1
Pneumonia (480-486)	19	16	12	11	4	4	4	5	2	3	1
Influenza (487)	-	-	-	-	-	-	-	-	1	1	-
Remainder of diseases of respiratory system (470-478,492-519)	10	12	5	10	5	3	1	1	1	1	1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	2	1	1	4	-	-	1	-	1	1	1
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	6	3	1	-	3	2	-	-	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579)	6	5	1	1	2	-	2	-	1	-	-
Congenital anomalies (740-759)	51	36	36	23	21	10	11	10	15	9	7
Anencephalus and similar anomalies (740)	2	-	-	1	-	1	-	-	-	1	1
Spina bifida (741)	2	-	-	-	-	-	-	-	1	-	-
Congenital hydrocephalus (742.0)	-	4	1	3	1	-	1	-	-	-	1
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	4	2	2	-	2	-	-	2	2	-	1
Congenital anomalies of heart (745-746)	25	10	22	8	6	6	5	3	6	7	2
Other congenital anomalies of circulatory system (747)	4	5	3	1	-	-	2	-	-	-	1
Congenital anomalies of respiratory system (748)	1	2	1	2	3	-	-	1	-	-	-
Congenital anomalies of digestive system (749-751)	2	1	-	1	2	1	-	-	1	1	-
Congenital anomalies of genitourinary system (752-753)	2	1	-	-	-	-	-	-	2	-	-
Congenital anomalies of musculoskeletal system (754-756)	1	-	1	-	1	-	-	-	-	-	-
Down's syndrome (758.0)	1	2	2	1	1	-	1	1	1	-	1
Other chromosomal anomalies (758.1-758.9)	8	7	2	3	1	1	1	1	-	-	-
All other and unspecified congenital anomalies (744,757,759)	-	2	2	3	4	1	2	-	1	-	-
Certain conditions originating in the perinatal period (760-779)	54	19	27	24	13	14	8	4	2	4	5
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	1	-	-	-	1	1	-	-	-	-	-
Newborn affected by maternal complications of pregnancy (761)	1	-	-	-	-	-	-	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	1	-	-	-	-	-	-	-	-	-	-
Newborn affected by other complications of labor and delivery (763)	-	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	6	3	3	2	1	2	-	-	-	-	-
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	1	-	-	-	-	-	-
Birth trauma (767)	-	-	-	-	-	-	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	1	-	1	-	-	-	-	-	-	-	-
Fetal distress in liveborn infant (768.2-768.4)	1	-	-	-	-	-	-	-	-	-	-
Birth asphyxia (768.5-768.9)	-	-	1	-	-	-	-	-	-	-	-
Respiratory distress syndrome (769)	12	3	4	8	3	2	1	2	-	1	1
Other respiratory conditions of newborn (770)	17	8	14	15	7	8	6	2	2	3	3
Infections specific to the perinatal period (771)	3	-	3	-	-	-	1	-	-	-	-
Neonatal hemorrhage (772)	-	-	1	-	-	-	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	1	-	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,778.1-779)	11	5	1	1	-	1	-	-	-	-	1
Symptoms, signs, and ill-defined conditions (780-799)	187	207	138	86	56	33	25	22	10	4	10
Sudden infant death syndrome (798.0)	161	183	109	68	41	22	17	14	7	2	5
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	26	24	27	18	15	11	8	8	3	2	5
Accidents and adverse effects (E800-E949)	18	15	11	15	11	10	6	6	4	8	7
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	5	1	5	2	-	2	-	2	1	-	1
Accidental mechanical suffocation (E913)	6	6	2	5	4	3	1	1	-	1	1
Other accidental causes and adverse effects (E800-E910,E914-E949)	7	8	4	8	7	5	5	3	3	7	5
Homicide (E960-E969)	5	11	7	5	5	-	5	5	3	6	4
Child battering and other maltreatment (E967)	-	5	2	2	-	-	2	2	1	3	3
Other homicide (E960-E966,E968-E969)	5	6	5	3	5	-	3	3	2	3	1
All other causes (Residual)	46	35	16	12	8	8	10	11	6	9	8

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044; see Technical Appendix]

Cause of death	United States									Alabama						
	All races, under 1 year	Under 28 days				28 days-11 months				All races, under 1 year	Under 28 days			28 days-11 months		
		All races	White	All other		All races	White	All other			White	All other		White	All other	
				Total	Black			Total	Black			Total	Black		Total	Black
All causes	38,910	24,690	16,346	8,344	7,695	14,220	9,579	4,641	4,145	736	244	244	239	122	126	122
Certain intestinal infections (008-009)	85	3	2	1	1	82	43	39	38	4	-	-	-	-	4	4
Whooping cough (039)	4	-	-	-	-	4	3	1	1	-	-	-	-	-	-	-
Meningococcal infection (036)	72	5	3	2	1	67	51	16	15	1	-	-	-	-	1	1
Septicemia (038)	245	-	-	-	-	245	155	90	82	6	-	-	-	-	1	1
Viral diseases (045-079)	110	30	21	9	9	80	59	21	16	-	-	-	-	2	4	4
Congenital syphilis (090)	17	14	4	10	10	3	-	3	3	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042.*044, 080-088, 091-139)	207	14	9	5	5	193	102	91	89	1	-	-	-	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	89	12	10	2	2	77	60	17	16	1	-	-	-	1	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	60	30	26	4	3	30	27	3	1	3	1	1	1	1	-	-
Diseases of thymus gland (254)	5	-	-	-	-	5	4	1	1	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	10	3	2	1	1	7	7	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	75	22	12	10	2	53	35	18	17	-	-	-	-	-	-	-
Meningitis (320-322)	205	38	26	12	12	167	109	58	50	2	2	-	-	-	-	-
Other diseases of nervous system and sense organs (323-389)	454	45	37	8	7	409	297	112	97	8	1	-	-	3	4	4
Acute upper respiratory infections (460-465)	43	-	-	-	-	43	24	19	16	1	-	-	-	-	1	1
Bronchitis and bronchiolitis (466,490-491)	115	3	-	3	3	112	73	39	34	1	-	-	-	1	1	1
Pneumonia and influenza (480-487)	641	124	79	45	41	517	308	209	183	9	1	1	1	1	6	6
Pneumonia (480-486)	635	124	79	45	41	511	305	206	181	9	1	1	1	1	6	6
Influenza (487)	6	-	-	-	-	6	3	3	2	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	420	54	35	19	18	366	227	139	117	7	1	1	1	3	2	1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	77	30	21	9	8	47	28	19	19	-	-	-	-	-	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	101	15	8	7	6	86	49	37	34	-	-	-	-	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579)	203	36	21	15	15	167	114	53	48	5	1	1	1	2	1	1
Congenital anomalies (740-759)	8,141	5,897	4,797	1,150	954	2,254	1,705	549	456	152	71	35	33	26	20	19
Anencephalus and similar anomalies (740)	533	516	441	75	54	17	8	9	8	14	6	5	5	1	2	2
Spina bifida (741)	69	47	38	9	8	22	16	6	6	1	1	-	-	-	-	-
Congenital hydrocephalus (742.3)	171	86	71	15	12	85	59	26	24	2	-	1	1	1	1	1
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	333	193	156	37	31	140	109	31	24	3	1	-	-	2	-	-
Congenital anomalies of heart (745-746)	2,582	1,471	1,202	269	231	1,111	860	251	203	46	15	6	5	15	10	10
Other congenital anomalies of circulatory system (747)	584	425	303	122	106	159	122	37	32	20	10	9	9	1	-	-
Congenital anomalies of respiratory system (748)	1,109	1,006	787	219	187	103	69	34	30	20	13	5	5	2	-	-
Congenital anomalies of digestive system (749-751)	107	55	39	16	12	52	33	19	14	2	-	-	-	1	1	1
Congenital anomalies of genitourinary system (752-753)	505	470	404	66	54	35	24	11	10	8	8	-	-	-	-	-
Congenital anomalies of musculoskeletal system (754-756)	601	537	435	102	81	64	53	11	8	13	7	3	3	3	-	-
Down's syndrome (758.0)	119	46	42	4	4	73	48	25	20	2	-	-	-	2	2	2
Other chromosomal anomalies (758.1-758.9)	795	555	447	108	85	240	190	50	42	10	3	4	3	2	1	1
All other and unspecified congenital anomalies (744,757,759)	633	480	372	108	89	153	114	39	35	11	7	2	2	2	2	2
Certain conditions originating in the perinatal period (760-779)	18,036	16,942	10,378	6,564	6,183	1,094	682	412	383	365	148	193	190	9	15	15
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	147	137	81	56	52	10	2	8	5	2	1	1	1	-	-	-
Newborn affected by maternal complications of pregnancy (761)	1,411	1,402	871	531	504	9	4	5	5	24	8	14	14	-	2	2
Newborn affected by complications of placenta, cord, and membranes (762)	907	899	608	291	267	8	7	1	1	15	3	11	11	1	-	-
Newborn affected by other complications of labor and delivery (763)	60	58	39	19	17	2	1	1	1	1	-	1	1	-	-	-
Slow fetal growth and fetal malnutrition (764)	38	36	18	18	18	2	2	-	-	1	-	1	1	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	3,268	3,198	1,684	1,514	1,451	70	42	28	27	69	22	45	44	-	2	2
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	216	209	143	66	58	7	5	2	1	6	4	2	2	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	777	724	481	243	227	53	48	7	5	9	3	5	5	1	-	-
Fetal distress in liveborn infant (768.2-768.4)	193	178	119	59	55	15	13	2	1	2	-	2	2	-	-	-
Birth asphyxia (768.5-768.9)	584	546	362	184	172	38	33	5	4	7	3	3	3	1	-	-
Respiratory distress syndrome (769)	3,181	2,958	2,004	954	884	223	144	79	73	62	27	31	31	1	3	3
Other respiratory conditions of newborn (770)	3,588	3,008	1,913	1,095	1,030	580	358	224	211	82	40	31	31	5	6	6
Infections specific to the perinatal period (771)	878	833	546	287	263	45	28	17	16	27	12	14	14	1	1	1
Neonatal hemorrhage (772)	324	321	196	125	115	3	2	1	1	15	6	9	9	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	45	39	31	8	7	6	3	3	3	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	8	8	7	1	1	-	-	-	-	1	-	1	1	-	-	-
Hemorrhagic disease of newborn (776.0)	3	3	1	2	2	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	3,185	3,109	1,755	1,354	1,287	76	40	36	34	51	22	25	1	1	1	1
Symptoms, signs, and ill-defined conditions (780-799)	6,486	587	369	218	195	5,899	3,973	1,926	1,723	94	5	4	4	45	40	38
Sudden infant death syndrome (798.0)	5,476	368	248	120	108	5,108	3,523	1,585	1,412	80	3	3	3	40	34	32
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	1,010	219	121	98	87	791	450	341	311	14	2	1	1	5	6	6
Accidents and adverse effects (E800-E949)	936	74	52	22	20	862	586	276	261	22	-	-	-	9	13	13
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	145	7	4	3	3	138	91	47	45	6	-	-	-	2	4	4
Accidental mechanical suffocation (E913)	198	11	8	3	3	187	112	75	69	2	-	-	-	1	1	1
Other accidental causes and adverse effects (E800-E910,E914-E949)	593	56	40	16	14	537	383	154	147	14	-	-	-	6	8	8
Homicide (E960-E969)	315	60	34	26	24	255	146	109	103	5	2	-	-	2	1	1
Child battering and other maltreatment (E967)	108	8	5	3	3	100	66	34	31	2	-	-	-	1	1	1
Other homicide (E960-E966,E968-E969)	207	52	29	23	21	155	80	75	72	3	2	-	-	1	-	-
All other causes (Residual)	1,758	662	460	202	175	1,096	712	384	342	49	11	8	8	18	12	12

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988-Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix.]

Cause of death	Alaska							Arizona						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes .....	130	32	25	6	39	34	7	637	314	72	49	202	49	12
Certain intestinal infections (008-009) .....	-	-	-	-	-	-	-	2	-	-	-	2	-	-
Whooping cough (033) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036) .....	-	-	-	-	-	-	-	2	-	-	-	2	-	-
Septicemia (038) .....	-	-	-	-	-	-	-	5	-	-	-	2	3	2
Viral diseases (045-079) .....	-	-	-	-	-	-	-	3	1	-	-	1	1	-
Congenital syphilis (090) .....	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-*044, 080-088, 091-139) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	1	-	-	-	1	-	-	2	-	-	-	2	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	-	-	-	-	-	-	-	3	-	-	-	3	-	-
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289) .....	-	-	-	-	-	-	-	1	-	1	-	-	-	-
Meningitis (320-322) .....	1	-	-	-	1	-	-	2	-	-	-	1	1	-
Other diseases of nervous system and sense organs (323-388) ..	2	-	-	-	1	1	-	3	1	-	-	1	1	-
Acute upper respiratory infections (460-465) .....	-	-	-	-	-	-	-	3	-	-	-	3	-	-
Bronchitis and bronchiolitis (466, 490-491) .....	-	-	-	-	-	-	-	13	-	1	-	6	6	1
Pneumonia and influenza (480-487) .....	5	-	-	-	2	3	-	3	-	-	-	6	6	1
Pneumonia (480-486) .....	5	-	-	-	2	3	-	13	-	1	-	6	6	1
Influenza (487) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478, 492-519) .....	7	-	-	-	4	3	2	4	-	-	-	4	-	-
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553, 560) .....	1	-	-	-	1	-	-	1	1	-	-	-	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535, 555-558) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of digestive system (520-534, 536-543, 562-579) .....	1	-	-	-	-	1	-	2	1	-	-	-	1	-
Congenital anomalies (740-759) .....	26	10	5	-	7	4	2	153	99	15	4	31	8	2
Anocephalus and similar anomalies (740) .....	1	1	-	-	-	-	-	11	7	4	1	-	-	-
Spina bifida (741) .....	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Congenital hydrocephalus (742.3) .....	1	1	-	-	-	-	-	3	1	-	-	2	-	-
Other congenital anomalies of central nervous system and eye (742.0-742.2, 742.4-742.9, 743) .....	-	-	-	-	-	-	-	5	-	1	-	3	1	-
Congenital anomalies of heart (745-746) .....	13	2	2	-	5	4	2	61	32	2	1	21	6	1
Other congenital anomalies of circulatory system (747) .....	2	2	-	-	-	-	-	6	6	-	-	-	-	-
Congenital anomalies of respiratory system (748) .....	5	1	2	-	2	-	-	19	15	3	2	1	-	-
Congenital anomalies of digestive system (749-751) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital anomalies of genitourinary system (752-753) .....	-	-	-	-	-	-	-	9	7	2	-	-	-	-
Congenital anomalies of musculoskeletal system (754-756) .....	3	2	1	-	-	-	-	12	12	-	-	-	-	-
Down's syndrome (758.0) .....	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Other chromosomal anomalies (758.1-758.9) .....	1	1	-	-	-	-	-	15	11	2	-	1	1	1
All other and unspecified congenital anomalies (744, 757, 759) ..	-	-	-	-	-	-	-	10	6	1	-	3	-	-
Certain conditions originating in the perinatal period (760-779) .....	45	20	19	5	3	3	-	258	195	48	36	13	-	-
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	1	-	-	-	-	1	-	4	3	1	-	-	-	-
Newborn affected by maternal complications of pregnancy (761) .....	3	3	-	-	-	-	-	26	17	8	8	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762) .....	4	2	2	-	-	-	-	20	18	2	1	-	-	-
Newborn affected by other complications of labor and delivery (763) .....	-	-	-	-	-	-	-	2	2	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765) .....	9	4	5	2	-	-	-	57	45	11	11	1	-	-
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	-	-	-	-	-	-	-	3	3	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768) .....	4	1	3	1	-	-	-	12	8	2	2	2	-	-
Fetal distress in liveborn infant (768.2-768.4) .....	-	-	-	-	-	-	-	6	5	-	-	1	-	-
Birth asphyxia (768.5-768.9) .....	4	1	3	1	-	-	-	6	3	2	2	1	-	-
Respiratory distress syndrome (769) .....	12	6	4	-	1	1	-	35	22	10	6	3	-	-
Other respiratory conditions of newborn (770) .....	7	2	2	1	2	1	-	48	32	10	7	6	-	-
Infections specific to the perinatal period (771) .....	1	1	-	-	-	-	-	10	9	1	1	-	-	-
Neonatal hemorrhage (772) .....	1	-	1	1	-	-	-	3	3	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (778.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9, 776.1-779) .....	3	1	2	-	-	-	-	36	32	3	1	1	-	-
Symptoms, signs, and ill-defined conditions (780-789) .....	30	-	-	-	16	14	3	125	8	4	2	100	13	3
Sudden infant death syndrome (785.0) .....	28	-	-	-	15	13	2	117	5	3	2	97	12	3
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799) .....	2	-	-	-	1	1	1	8	3	1	-	3	1	-
Accidents and adverse effects (E800-E949) .....	4	-	-	-	1	3	-	22	-	1	1	17	4	2
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	1	-	-	-	-	1	-	2	-	-	-	2	-	-
Accidental mechanical suffocation (E913) .....	1	-	-	-	-	1	-	7	-	1	1	3	3	2
Other accidental causes and adverse effects (E800-E910, E914-E949) .....	2	-	-	-	1	1	-	13	-	-	-	12	1	-
Homicide (E960-E969) .....	1	-	-	-	-	1	-	2	-	1	-	-	1	-
Child battering and other maltreatment (E967) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other homicide (E960-E966, E968-E969) .....	1	-	-	-	-	1	-	2	-	1	-	-	1	-
All other causes (Residual) .....	6	2	1	1	2	1	-	31	6	1	-	14	10	2



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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042\*044; see Technical Appendix]

Cause of death	Arkansas							California						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes	374	194	90	90	95	55	55	4,573	2,027	720	519	1,359	467	335
Certain intestinal infections (008-009)	2	-	-	-	-	2	2	27	-	-	-	18	9	9
Whooping cough (033)	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Meningococcal infection (036)	-	-	-	-	-	-	-	15	1	-	-	11	3	3
Septicemia (038)	3	-	-	-	1	2	2	23	-	-	-	16	7	4
Viral diseases (045-079)	2	-	-	-	1	1	1	18	3	2	2	10	3	2
Congenital syphilis (090)	-	-	-	-	-	-	-	3	1	1	1	-	1	1
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042*044,080-088,091-139)	3	-	-	-	1	2	2	22	1	-	-	13	8	7
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	1	-	-	-	1	-	-	5	1	-	-	4	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	-	-	-	-	-	-	-	10	1	2	1	6	1	-
Diseases of thymus gland (254)	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Cystic fibrosis (277.0)	-	-	-	-	-	-	-	2	-	-	-	2	-	-
Diseases of blood and blood-forming organs (280-289)	-	-	-	-	-	-	-	14	2	5	1	7	-	-
Meningitis (320-322)	3	1	-	-	1	1	1	32	2	1	1	20	9	5
Other diseases of nervous system and sense organs (323-389)	6	1	-	-	4	1	1	52	4	1	1	36	11	7
Acute upper respiratory infections (460-465)	1	-	-	-	1	1	1	4	-	-	-	2	2	1
Bronchitis and bronchiolitis (466,490-491)	1	-	-	-	1	-	-	24	-	-	-	15	9	6
Pneumonia and influenza (480-487)	3	1	-	-	1	1	1	85	10	5	5	48	22	17
Pneumonia (480-486)	3	1	-	-	1	1	1	85	10	5	5	48	22	17
Influenza (487)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	1	1	-	-	-	-	-	65	4	2	1	38	21	15
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	2	-	-	-	2	-	-	7	1	2	1	4	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	1	-	-	-	1	-	-	5	-	-	-	3	2	2
Remainder of diseases of digestive system (520-534,536-543,562-579)	2	-	2	2	-	-	-	20	2	1	1	15	2	2
Congenital anomalies (740-759)	83	52	15	15	9	7	7	1,057	609	127	66	245	76	40
Anencephalus and similar anomalies (740)	2	2	-	-	-	-	-	80	67	13	5	-	-	-
Spina bifida (741)	4	2	-	-	1	1	1	3	2	-	-	1	-	-
Congenital hydrocephalus (742.3)	3	2	-	-	1	-	-	21	7	1	-	10	3	2
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	4	2	-	-	2	-	-	45	22	4	2	13	6	3
Congenital anomalies of heart (745-746)	25	15	3	3	2	5	5	302	136	27	16	105	34	17
Other congenital anomalies of circulatory system (747)	3	1	2	2	-	-	-	73	46	9	7	14	4	3
Congenital anomalies of respiratory system (748)	15	9	5	5	1	-	-	161	115	22	13	18	8	6
Congenital anomalies of digestive system (749-751)	1	-	-	-	1	-	-	22	6	2	2	9	5	1
Congenital anomalies of genitourinary system (752-753)	4	4	-	-	-	-	-	64	52	8	5	4	-	-
Congenital anomalies of musculoskeletal system (754-756)	6	6	-	-	-	-	-	55	41	7	1	5	2	1
Down's syndrome (758.0)	7	-	-	-	-	-	-	14	5	1	1	4	4	2
Other chromosomal anomalies (758.1-758.9)	7	2	4	4	1	-	-	119	56	20	9	40	3	2
All other and unspecified congenital anomalies (744,757,759)	9	7	1	1	-	1	1	98	54	13	5	24	7	3
Certain conditions originating in the perinatal period (760-779)	141	66	67	67	4	4	4	1,946	1,278	513	401	114	41	37
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	1	-	1	1	-	-	-	15	11	4	3	-	-	-
Newborn affected by maternal complications of pregnancy (761)	5	5	-	-	-	-	-	128	79	49	32	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	1	1	-	-	-	-	-	115	89	24	16	2	-	-
Newborn affected by other complications of labor and delivery (763)	1	-	1	1	-	-	-	7	4	3	3	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	-	-	-	-	-	-	3	1	2	2	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	18	9	9	9	-	-	-	271	175	79	62	11	6	6
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	3	1	2	2	-	-	-	31	20	10	8	-	1	-
Intrauterine hypoxia and birth asphyxia (768)	7	3	4	4	-	-	-	93	67	16	10	9	1	1
Fetal distress in liveborn infant (768.2-768.4)	2	1	1	1	-	-	-	25	17	5	4	3	-	-
Birth asphyxia (768.5-768.9)	5	2	3	3	-	-	-	68	50	11	6	6	1	1
Respiratory distress syndrome (769)	20	9	10	10	-	1	1	380	252	92	84	29	7	7
Other respiratory conditions of newborn (770)	45	19	22	22	3	1	1	430	254	94	71	58	24	21
Infections specific to the perinatal period (771)	14	8	5	5	-	1	1	83	66	15	12	1	1	1
Neonatal hemorrhage (772)	1	-	1	1	-	-	-	25	17	8	4	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	-	-	-	-	-	-	-	2	1	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	25	11	12	12	1	1	1	363	242	117	94	3	1	1
Symptoms, signs, and ill-defined conditions (780-799)	74	6	3	3	45	20	20	831	36	31	25	569	195	143
Sudden infant death syndrome (798.0)	58	4	3	3	34	17	17	689	19	15	13	476	159	119
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	16	2	-	-	11	3	3	162	17	16	12	93	36	24
Accidents and adverse effects (E800-E949)	24	-	1	1	15	8	8	89	4	2	1	72	11	8
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	10	-	1	1	5	4	4	4	-	-	-	4	-	-
Accidental mechanical suffocation (E913)	7	-	-	-	6	1	1	27	-	-	-	22	5	3
Other accidental causes and adverse effects (E800-E910,E914-E949)	7	-	-	-	4	3	3	58	4	2	1	46	6	5
Homicide (E960-E969)	2	-	-	-	1	1	1	35	3	3	2	23	6	5
Child battering and other maltreatment (E967)	1	-	-	-	1	-	-	12	-	-	-	10	2	1
Other homicide (E960-E966,E968-E969)	1	-	-	-	1	1	1	23	3	3	2	13	4	4
All other causes (Residual)	19	6	2	2	7	4	4	180	64	22	9	66	28	21

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	Colorado							Connecticut						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes	510	271	29	27	195	15	11	426	228	71	70	95	32	31
Certain intestinal infections (008-009)	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (033)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Septicemia (038)	8	-	-	-	8	-	-	2	-	-	-	1	1	1
Viral diseases (045-079)	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Congenital syphilis (090)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139)	1	-	-	-	1	-	-	4	-	-	-	3	1	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	3	-	-	-	3	-	-	2	-	-	-	2	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of thyroid gland (264)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Diseases of blood and blood-forming organs (280-289)	1	-	-	-	1	-	-	2	1	-	-	-	-	-
Meningitis (320-322)	5	2	-	-	3	-	-	2	1	-	-	1	-	-
Other diseases of nervous system and sense organs (323-389)	9	-	-	-	9	-	-	2	-	-	-	1	-	-
Acute upper respiratory infections (460-465)	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491)	-	-	-	-	-	-	-	1	-	-	-	2	-	-
Pneumonia and influenza (480-487)	8	2	-	-	5	1	-	2	-	-	-	2	-	-
Pneumonia (480-486)	7	2	-	-	4	1	-	2	-	-	-	2	-	-
Influenza (487)	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	4	-	-	-	4	-	-	4	-	-	-	3	1	1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579)	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Congenital anomalies (740-759)	110	77	4	4	23	6	3	79	61	2	2	10	6	6
Anencephalus and similar anomalies (740)	5	5	-	-	-	-	-	4	4	-	-	-	-	-
Spina bifida (741)	2	1	-	-	1	-	-	3	3	-	-	-	-	-
Congenital hydrocephalus (742.3)	1	1	-	-	-	-	-	4	2	-	-	-	2	2
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	5	4	-	-	1	-	-	3	2	-	-	1	-	-
Congenital anomalies of heart (745-746)	41	30	1	1	9	1	1	26	18	-	-	5	3	3
Other congenital anomalies of circulatory system (747)	5	2	-	-	2	1	-	4	1	1	1	2	-	-
Congenital anomalies of respiratory system (748)	17	13	2	2	1	1	1	10	10	-	-	-	-	-
Congenital anomalies of digestive system (749-751)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital anomalies of genitourinary system (752-753)	10	7	-	-	2	1	1	3	2	1	1	-	-	-
Congenital anomalies of musculoskeletal system (754-756)	6	5	1	1	-	-	-	7	7	-	-	-	-	-
Down's syndrome (758.0)	1	-	-	-	1	-	-	1	1	-	-	-	-	-
Other chromosomal anomalies (758.1-758.9)	14	8	-	-	4	2	-	9	7	-	-	2	-	-
All other and unspecified congenital anomalies (744,757,759)	3	1	-	-	2	-	-	5	4	-	-	-	1	1
Certain conditions originating in the perinatal period (760-779)	202	166	22	20	13	1	1	229	152	63	62	11	3	3
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	1	-	1	1	-	-	-	5	4	1	1	-	-	-
Newborn affected by maternal complications of pregnancy (761)	13	12	1	1	-	-	-	21	15	5	5	-	1	1
Newborn affected by complications of placenta, cord, and membranes (762)	14	12	2	2	-	-	-	16	10	6	6	-	-	-
Newborn affected by other complications of labor and delivery (763)	1	1	-	-	-	-	-	3	2	1	1	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	26	21	5	5	-	-	-	33	20	12	12	1	-	-
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	5	5	-	-	-	-	-	3	3	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	8	5	2	2	1	-	-	16	12	3	3	1	-	-
Fetal distress in liveborn infant (768.2-768.4)	2	2	-	-	-	-	-	3	2	1	1	1	-	-
Birth asphyxia (768.5-768.8)	6	3	2	2	1	-	-	13	10	2	2	1	-	-
Respiratory distress syndrome (769)	28	25	1	1	2	-	-	28	20	4	4	4	-	-
Other respiratory conditions of newborn (770)	66	52	4	3	9	1	1	33	19	7	6	5	2	2
Infections specific to the perinatal period (771)	11	9	1	1	1	-	-	12	8	4	4	-	-	-
Neonatal hemorrhage (772)	1	1	-	-	-	-	-	4	3	1	1	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Syndromes of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	26	21	5	5	-	-	-	54	35	19	19	-	-	-
Symptoms, signs, and ill-defined conditions (780-799)	118	9	1	1	104	4	4	66	4	2	2	44	16	15
Sudden infant death syndrome (788.0)	116	9	1	1	102	4	4	18	1	-	-	14	3	3
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	2	-	-	-	2	-	-	48	3	2	2	30	13	12
Accidents and adverse effects (E800-E949)	6	-	-	-	6	-	-	5	-	1	1	3	1	1
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental mechanical suffocation (E913)	1	-	-	-	1	-	-	3	-	1	1	1	1	1
Other accidental causes and adverse effects (E800-E910,E914-E949)	5	-	-	-	5	-	-	2	-	-	-	2	-	-
Homicide (E960-E969)	10	2	1	1	5	2	2	4	2	1	1	1	-	-
Child battering and other maltreatment (E967)	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Other homicide (E960-E966,E968-E969)	9	2	1	1	4	2	2	4	2	1	1	1	-	-
All other causes (Residual)	22	12	1	1	8	1	1	23	7	2	2	11	3	3

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1968—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	Delaware							District of Columbia						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes	123	50	42	41	21	10	10	245	21	164	164	12	48	48
Certain intestinal infections (008-009)	1	-	-	-	-	1	1	1	-	-	-	-	1	1
Whooping cough (033)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Septicemia (038)	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Viral diseases (045-079)	-	-	-	-	-	-	-	1	-	1	1	-	-	-
Congenital syphilis (090)	-	-	-	-	-	-	-	2	-	2	2	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-*044, 080-088, 091-139)	1	-	-	-	-	1	1	3	-	-	-	1	2	2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	-	-	-	-	-	-	-	1	-	-	-	-	1	1
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of thymus gland (254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	-	-	-	-	-	-	-	1	-	-	-	-	1	1
Meningitis (320-322)	-	-	-	-	-	-	-	2	-	1	1	-	-	-
Other diseases of nervous system and sense organs (323-389)	1	-	-	-	1	-	-	2	-	-	-	-	2	2
Acute upper respiratory infections (460-465)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (468,490-491)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and influenza (480-487)	-	-	-	-	-	-	-	1	-	-	-	-	1	1
Pneumonia (480-486)	-	-	-	-	-	-	-	1	-	-	-	-	1	1
Influenza (487)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-476,492-519)	-	-	-	-	-	-	-	2	-	-	-	-	2	2
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	1	-	1	1	-	-	-	1	-	-	-	1	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579)	-	-	-	-	-	-	-	2	-	-	-	1	1	1
Congenital anomalies (740-759)	26	11	11	10	2	2	2	20	6	8	8	3	3	3
Anencephalus and similar anomalies (740)	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Spina bifida (741)	1	-	-	-	-	-	-	1	-	1	1	-	-	-
Congenital hydrocephalus (742.3)	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	3	2	-	-	-	1	1	1	-	-	-	-	-	1
Congenital anomalies of heart (745-746)	4	-	3	3	1	-	-	7	3	2	2	1	1	1
Other congenital anomalies of circulatory system (747)	1	1	-	-	-	-	-	1	1	-	-	-	-	-
Congenital anomalies of respiratory system (748)	5	1	4	4	-	-	-	3	1	2	2	-	-	-
Congenital anomalies of digestive system (749-751)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital anomalies of genitourinary system (752-753)	2	1	1	1	-	-	-	2	-	2	2	-	-	-
Congenital anomalies of musculoskeletal system (754-756)	5	4	1	1	-	-	-	1	-	-	-	-	-	-
Down's syndrome (758.0)	1	-	-	-	-	1	1	-	-	-	-	1	-	-
Other chromosomal anomalies (758.1-758.9)	1	1	-	-	-	-	-	2	1	-	-	1	-	-
All other and unspecified congenital anomalies (744,757,759)	2	-	2	2	-	-	-	2	-	1	1	-	1	1
Certain conditions originating in the perinatal period (760-779)	67	36	30	30	1	-	-	172	15	147	147	1	9	9
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	-	-	-	-	-	-	-	3	-	3	3	-	-	-
Newborn affected by maternal complications of pregnancy (761)	6	2	4	4	-	-	-	7	1	6	6	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	3	2	1	1	-	-	-	4	-	4	4	-	-	-
Newborn affected by other complications of labor and delivery (763)	-	-	-	-	-	-	-	2	1	1	1	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	-	-	-	-	-	-	1	-	1	1	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	29	15	14	14	-	-	-	48	3	43	43	-	-	-
Disorders relating to long gestation and high birthweight (768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	1	-	1	1	-	-	-	2	1	1	1	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	2	2	-	-	-	-	-	11	1	11	11	-	-	-
Fetal distress in liveborn infant (768.2-768.4)	1	1	-	-	-	-	-	1	-	1	1	-	-	-
Birth asphyxia (768.5-768.9)	1	1	-	-	-	-	-	10	-	10	10	-	-	-
Respiratory distress syndrome (769)	4	1	3	3	-	-	-	32	3	26	26	-	3	3
Other respiratory conditions of newborn (770)	14	8	5	5	1	-	-	36	4	25	25	1	6	6
Infections specific to the perinatal period (771)	1	1	-	-	-	-	-	2	-	2	2	-	-	-
Neonatal hemorrhage (772)	1	1	-	-	-	-	-	1	-	1	1	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	5	3	2	2	-	-	-	25	2	23	23	-	-	-
Symptoms, signs, and ill-defined conditions (780-799)	19	-	-	-	15	4	4	23	-	3	3	3	17	17
Sudden infant death syndrome (798.0)	16	-	-	-	13	3	3	16	-	2	2	2	12	12
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	3	-	-	-	2	1	1	7	-	1	1	1	5	5
Accidents and adverse effects (E800-E949)	1	-	-	-	1	-	-	2	-	-	-	-	2	2
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	-	-	-	-	-	-	-	1	-	-	-	-	1	1
Accidental mechanical suffocation (E913)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other accidental causes and adverse effects (E800-E910,E914-E949)	1	-	-	-	1	-	-	1	-	-	-	-	1	1
Homicide (E960-E969)	1	-	-	-	-	1	1	1	-	-	-	-	1	1
Child battering and other maltreatment (E967)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other homicide (E960-E966,E968-E969)	1	-	-	-	-	1	1	1	-	-	-	-	1	1
All other causes (Residual)	4	3	-	-	-	1	1	8	-	2	2	2	4	4

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix.]

Cause of death	Florida							Georgia						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes	1,852	779	497	491	387	289	286	1,331	388	491	486	221	231	230
Certain intestinal infections (008-009)	7	-	-	-	3	4	4	8	-	-	-	4	2	2
Whooping cough (033)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	4	-	-	-	2	2	2	3	-	-	-	2	1	1
Sepsis (038)	13	1	1	1	9	4	4	4	1	1	1	1	3	3
Viral diseases (045-079)	6	2	2	2	2	2	2	5	2	1	1	1	1	1
Congenital syphilis (090)	2	-	-	2	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-044, 080-089, 091-139)	23	1	-	-	5	17	17	8	1	1	1	2	4	4
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	8	1	-	-	4	3	3	3	2	-	-	-	1	1
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	1	-	-	-	1	-	-	1	-	-	-	1	-	-
Diseases of thymus gland (254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Diseases of blood and blood-forming organs (280-289)	4	-	-	-	-	4	4	6	1	-	-	3	2	2
Meningitis (320-322)	14	1	2	2	5	6	6	3	-	1	1	1	1	1
Other diseases of nervous system and sense organs (323-389)	23	1	-	-	16	6	6	8	2	-	-	5	1	1
Acute upper respiratory infections (460-465)	9	-	-	-	1	2	2	2	-	-	-	1	1	1
Bronchitis and bronchiolitis (466,490-491)	7	-	-	-	1	6	6	1	-	-	-	-	1	1
Pneumonia and influenza (480-487)	36	7	5	5	11	13	13	32	2	2	2	9	19	19
Pneumonia (480-486)	36	7	5	5	11	13	13	32	2	2	2	9	19	19
Influenza (487)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	29	3	4	4	14	8	8	16	3	2	2	3	8	8
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	2	-	-	-	2	-	-	5	1	-	-	1	3	3
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	2	1	1	1	-	-	-	8	-	1	1	3	4	4
Remainder of diseases of digestive system (520-534,536-543,562-579)	9	-	2	2	4	3	2	10	-	-	-	6	4	4
Congenital anomalies (740-759)	379	214	63	63	68	34	33	222	104	60	59	33	25	25
Anencephalus and similar anomalies (740)	31	21	9	9	-	1	1	13	8	5	5	-	-	-
Spina bifida (741)	2	1	1	1	1	1	1	1	-	1	1	-	-	-
Congenital hydrocephalus (742.3)	11	4	1	1	5	1	1	2	1	1	1	-	-	-
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	11	7	1	1	3	-	-	7	4	1	1	2	-	-
Congenital anomalies of heart (745-746)	125	61	17	17	34	13	12	77	28	19	18	20	10	10
Other congenital anomalies of circulatory system (747)	22	14	1	1	3	4	4	20	6	6	6	5	3	3
Congenital anomalies of respiratory system (748)	47	29	14	14	2	2	2	29	13	11	11	1	4	4
Congenital anomalies of digestive system (749-751)	3	1	1	1	-	1	1	1	-	-	-	-	1	1
Congenital anomalies of genitourinary system (752-753)	27	18	4	4	3	2	2	13	11	2	2	-	1	1
Congenital anomalies of musculoskeletal system (754-756)	26	16	3	3	5	2	2	20	12	7	7	-	1	1
Down's syndrome (758.0)	5	1	-	-	2	2	2	2	-	-	-	-	2	2
Other chromosomal anomalies (759.1-759.9)	32	17	6	6	6	3	3	23	13	4	4	4	2	2
All other and unspecified congenital anomalies (744,757,759)	37	24	6	6	4	3	3	14	8	3	3	1	2	2
Certain conditions originating in the perinatal period (760-779)	836	502	402	398	16	16	16	688	248	395	392	16	29	28
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	9	3	6	6	-	-	-	4	2	2	2	-	-	-
Newborn affected by maternal complications of pregnancy (761)	98	69	29	29	-	-	-	54	21	33	33	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	33	17	16	16	-	-	-	29	10	19	19	-	-	-
Newborn affected by other complications of labor and delivery (763)	2	2	-	-	-	-	-	2	1	1	1	-	-	-
Slow fetal growth and fetal malnutrition (764)	2	1	1	1	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	198	90	104	103	2	2	2	142	45	97	95	-	-	-
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	14	10	4	4	-	-	-	6	2	3	3	1	-	-
Intrauterine hypoxia and birth asphyxia (768)	30	13	16	16	1	-	-	24	8	14	14	-	2	1
Fetal distress in liveborn infant (768.2-768.4)	12	5	7	7	-	-	-	5	3	2	2	-	-	-
Birth asphyxia (768.5-768.9)	18	8	9	9	1	-	-	19	5	12	12	-	2	1
Respiratory distress syndrome (769)	167	83	76	75	3	5	5	132	56	66	66	3	7	7
Other respiratory conditions of newborn (770)	169	93	61	58	6	9	8	138	38	76	75	10	14	14
Infections specific to the perinatal period (771)	52	32	18	17	2	-	-	31	13	17	17	1	1	1
Neonatal hemorrhage (772)	16	11	5	5	-	-	-	9	6	3	3	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	2	-	2	2	-	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	1	-	1	1	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	143	77	64	64	2	-	-	116	46	63	63	2	5	5
Symptoms, signs, and ill-defined conditions (780-799)	286	22	6	6	147	111	111	178	7	6	6	88	77	77
Sudden infant death syndrome (798.0)	257	17	5	5	132	103	103	169	5	4	4	86	74	74
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	29	6	1	1	15	8	8	9	2	2	2	2	3	3
Accidents and adverse effects (E800-E949)	61	1	-	-	41	19	19	40	3	2	2	16	19	19
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	5	-	-	-	5	-	-	14	1	2	2	4	7	7
Accidental mechanical suffocation (E913)	12	-	-	-	7	5	5	5	-	-	-	2	3	3
Other accidental causes and adverse effects (E800-E910,E914-E949)	44	1	-	-	29	14	14	21	2	-	-	10	9	9
Homicide (E960-E969)	19	2	-	-	9	8	8	7	-	-	-	3	4	4
Child battering and other maltreatment (E967)	6	1	-	-	3	2	2	3	-	-	-	2	1	1
Other homicide (E960-E966,E968-E969)	13	1	-	-	6	6	6	4	-	-	-	1	3	3
All other causes (Residual)	79	22	10	10	26	21	21	74	12	20	19	21	21	21

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix.]

Cause of death	Hawaii							Idaho						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes .....	137	23	76	6	10	28	2	198	55	4	1	73	6	1
Certain intestinal infections (008-009) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (033) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Septicemia (038) .....	2	...	...	...	1	1	1	3	...	...	...	3	-	-
Viral diseases (045-079) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital syphilis (090) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289) .....	2	-	2	-	-	-	-	-	-	-	-	-	-	-
Meningitis (320-322) .....	-	-	-	-	-	-	-	3	1	-	-	2	-	-
Other diseases of nervous system and sense organs (323-389) ..	1	-	-	-	-	1	-	5	1	-	-	3	1	-
Acute upper respiratory infections (460-465) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (486,490-491) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and influenza (480-487) .....	1	-	-	-	-	1	-	2	-	-	-	1	1	-
Pneumonia (480-486) .....	1	-	-	-	-	1	-	2	-	-	-	1	1	-
Influenza (487) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519) .....	3	-	-	-	-	3	-	2	-	-	-	2	-	-
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Congenital anomalies (740-759) .....	37	13	16	1	4	4	-	27	21	2	1	4	-	-
Anencephalus and similar anomalies (740) .....	1	-	-	-	-	-	-	1	1	-	-	-	-	-
Spina bifida (741) .....	1	-	1	-	-	-	-	1	1	-	-	-	-	-
Congenital hydrocephalus (742.3) .....	2	1	1	-	-	-	-	-	-	-	-	-	-	-
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	2	-	1	-	-	1	-	2	2	-	-	-	-	-
Congenital anomalies of heart (745-746) .....	9	4	1	-	2	2	-	5	3	-	-	2	-	-
Other congenital anomalies of circulatory system (747) .....	6	1	3	1	1	1	-	3	3	-	-	-	-	-
Congenital anomalies of respiratory system (748) .....	7	3	4	-	-	-	-	5	3	1	1	1	-	-
Congenital anomalies of digestive system (749-751) .....	1	-	1	-	-	-	-	2	2	-	-	-	-	-
Congenital anomalies of genitourinary system (752-753) .....	3	2	1	-	-	-	-	2	2	-	-	-	-	-
Congenital anomalies of musculoskeletal system (754-756) .....	1	-	1	-	-	-	-	3	1	1	-	1	-	-
Down's syndrome (758.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other chromosomal anomalies (758.1-758.9) .....	2	1	1	-	-	-	-	5	5	-	-	-	-	-
All other and unspecified congenital anomalies (744,757,759) ...	3	1	1	-	1	-	-	3	3	-	-	-	-	-
Certain conditions originating in the perinatal period (760-779) .....	65	9	52	5	-	4	1	34	29	2	-	3	-	-
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	2	-	2	1	-	-	-	-	-	-	-	-	-	-
Newborn affected by maternal complications of pregnancy (761) .....	4	1	3	-	-	-	-	2	2	-	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762) .....	2	-	2	-	-	-	-	1	1	-	-	-	-	-
Newborn affected by other complications of labor and delivery (763) .....	1	-	1	-	-	-	-	1	1	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765) .....	12	2	10	2	-	-	-	4	3	1	-	-	-	-
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	3	-	3	-	-	-	-	1	1	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768) .....	-	-	-	-	-	-	-	2	2	-	-	-	-	-
Fetal distress in liveborn infant (768.2-768.4) .....	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Birth asphyxia (768.5-768.9) .....	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Respiratory distress syndrome (769) .....	16	3	12	-	-	1	1	5	4	-	-	1	-	-
Other respiratory conditions of newborn (770) .....	13	3	7	1	-	3	-	8	6	-	-	2	-	-
Infections specific to the perinatal period (771) .....	6	-	6	-	-	-	-	-	-	-	-	-	-	-
Neonatal hemorrhage (772) .....	1	-	1	-	-	-	-	3	3	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	-	-	-	-	-	-	-	1	-	1	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	5	-	5	1	-	-	-	6	6	-	-	-	-	-
Symptoms, signs, and ill-defined conditions (780-799) .....	20	-	3	-	4	13	1	42	1	-	-	39	2	1
Sudden infant death syndrome (798.0) .....	12	-	1	-	3	8	1	42	1	-	-	39	2	1
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	8	-	2	-	1	5	-	-	-	-	-	-	-	-
Accidents and adverse effects (E800-E949) .....	1	-	-	-	1	-	-	5	-	-	-	5	-	-
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Accidental mechanical suffocation (E913) .....	1	-	-	-	1	-	-	2	-	-	-	2	-	-
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	-	-	-	-	-	-	-	2	-	-	-	2	-	-
Homicide (E960-E969) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Child battering and other maltreatment (E987) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other homicide (E960-E966,E968-E969) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other causes (Residual) .....	5	1	3	-	-	1	-	11	2	-	-	7	2	-

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	Illinois							Indiana						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes .....	2,083	793	543	528	400	347	341	899	414	116	115	295	74	73
Certain intestinal infections (008-009) .....	1	-	-	-	1	-	-	1	-	-	-	1	-	-
Whooping cough (033) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036) .....	-	-	-	-	-	-	-	3	-	-	-	3	-	-
Septicemia (038) .....	13	...	...	...	12	1	1	6	...	...	...	5	1	1
Viral diseases (045-079) .....	3	3	-	-	-	-	-	2	1	-	-	1	-	-
Congenital syphilis (090) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-044,080-088,091-139) .....	7	-	-	-	3	4	4	5	-	1	1	4	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	7	1	1	1	4	1	1	2	-	-	-	2	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	3	2	-	-	1	-	-	2	1	-	-	1	-	-
Diseases of thymus gland (254) .....	1	-	-	-	-	1	1	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289) .....	2	-	-	-	1	1	1	-	-	-	-	-	-	-
Meningitis (320-322) .....	11	-	-	-	6	5	5	4	1	-	-	3	-	-
Other diseases of nervous system and sense organs (323-369) ..	15	1	-	-	12	2	2	17	1	-	-	13	3	3
Acute upper respiratory infections (460-465) .....	1	-	-	-	1	1	1	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491) .....	4	-	-	-	2	2	2	3	-	-	-	2	1	1
Pneumonia and influenza (480-487) .....	44	7	5	4	6	26	26	21	2	-	-	17	2	2
Pneumonia (480-486) .....	44	7	5	4	6	26	26	21	2	-	-	17	2	2
Influenza (487) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519) .....	15	-	1	1	4	10	10	14	1	-	-	12	1	1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	3	1	1	1	-	1	1	2	1	-	-	1	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	7	1	-	-	2	4	4	1	-	-	-	1	-	-
Remainder of diseases of digestive system (520-534,536-543,562-578) .....	14	-	1	1	8	5	5	10	-	1	1	5	4	4
Congenital anomalies (740-769) .....	403	221	58	54	91	33	32	178	109	7	7	56	6	6
Anencephalus and similar anomalies (740) .....	27	23	4	4	-	-	-	18	15	-	-	1	1	1
Spina bifida (741) .....	3	2	-	-	-	1	1	2	-	-	-	2	-	-
Congenital hydrocephalus (742.3) .....	7	3	1	1	1	2	2	4	2	-	-	1	1	1
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	12	4	3	3	4	1	1	9	4	-	-	5	-	-
Congenital anomalies of heart (745-746) .....	134	50	12	11	58	14	13	64	28	4	4	31	1	1
Other congenital anomalies of circulatory system (747) .....	26	14	4	4	6	2	2	6	6	-	-	-	-	-
Congenital anomalies of respiratory system (748) .....	43	32	8	8	1	2	2	15	13	-	-	1	1	1
Congenital anomalies of digestive system (749-751) .....	5	-	1	1	1	3	3	4	1	1	1	2	-	-
Congenital anomalies of genitourinary system (752-753) .....	24	18	5	3	-	-	-	8	6	-	-	2	-	-
Congenital anomalies of musculoskeletal system (754-756) .....	36	25	9	9	2	-	-	8	7	1	1	-	-	-
Down's syndrome (758.0) .....	11	8	1	1	2	-	-	7	4	-	-	3	-	-
Other chromosomal anomalies (758.1-758.9) .....	47	26	4	4	12	5	5	18	10	-	-	6	2	2
All other and unspecified congenital anomalies (744,757,759) .....	28	15	6	5	4	3	3	15	13	-	-	2	-	-
Certain conditions originating in the perinatal period (760-779) .....	1,025	522	451	442	26	26	26	389	268	98	97	17	6	6
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	1	-	1	1	-	-	-	1	1	-	-	-	-	-
Newborn affected by maternal complications of pregnancy (761) .....	93	51	42	42	-	-	-	48	38	10	10	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762) .....	31	18	13	13	-	-	-	22	18	3	3	1	-	-
Newborn affected by other complications of labor and delivery (763) .....	4	3	1	1	-	-	-	2	2	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764) .....	3	1	1	1	1	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765) .....	184	81	102	100	1	-	-	61	51	29	29	1	-	-
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	19	11	7	7	1	-	-	-	-	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768) .....	46	27	17	16	2	-	-	12	9	2	2	1	-	-
Fetal distress in liveborn infant (768.2-768.4) .....	11	6	4	4	1	-	-	3	2	-	-	1	-	-
Birth asphyxia (768.5-768.9) .....	35	21	13	12	1	-	-	9	7	2	2	-	-	-
Respiratory distress syndrome (769) .....	198	114	76	74	5	3	3	62	47	13	13	2	-	-
Other respiratory conditions of newborn (770) .....	223	103	85	84	15	20	20	87	55	19	19	10	3	3
Infections specific to the perinatal period (771) .....	35	22	12	11	-	1	1	22	16	2	1	2	2	2
Neonatal hemorrhage (772) .....	37	16	21	20	-	-	-	7	7	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	2	2	-	-	-	-	-	2	2	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	149	78	73	72	1	2	2	43	22	20	20	-	1	1
Symptoms, signs, and ill-defined conditions (780-799) .....	349	12	13	12	155	189	165	173	16	4	4	113	40	39
Sudden infant death syndrome (788.0) .....	324	9	10	9	147	158	154	155	12	1	1	105	37	36
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	25	3	3	3	8	11	11	18	4	3	3	8	3	3
Accidents and adverse effects (E800-E949) .....	61	1	2	2	34	24	24	21	-	-	-	19	2	2
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	10	-	-	-	6	4	4	3	-	-	-	3	-	-
Accidental mechanical suffocation (E913) .....	23	-	-	-	9	14	14	3	-	-	-	3	-	-
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	28	1	2	2	19	6	6	15	-	-	-	13	2	2
Homicide (E960-E969) .....	23	3	2	2	6	12	12	6	1	-	-	3	2	2
Child battering and other maltreatment (E967) .....	6	-	1	1	2	3	3	4	1	-	-	3	-	-
Other homicide (E960-E966,E968-E969) .....	17	3	1	1	4	9	9	2	-	-	-	2	-	-
All other causes (Residual) .....	71	18	8	8	26	19	18	39	12	5	5	16	6	6

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	Iowa						Kansas							
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes .....	331	182	15	12	109	15	11	309	141	49	41	96	23	19
Certain intestinal infections (008-009) .....	2	-	-	-	2	-	-	3	-	-	-	3	-	-
Whooping cough (033) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036) .....	1	-	-	-	1	-	-	2	-	-	-	2	-	-
Septicemia (038) .....	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Viral diseases (045-078) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital syphilis (090) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139) .....	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	-	-	-	-	-	-	-	2	-	-	-	1	1	-
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis (320-322) .....	3	1	-	-	2	-	-	1	-	-	-	1	-	-
Other diseases of nervous system and sense organs (323-389) .....	3	-	-	-	2	1	1	3	-	-	-	3	-	-
Acute upper respiratory infections (460-465) .....	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Bronchitis and bronchiolitis (468,490-491) .....	1	-	-	-	1	-	-	1	-	-	-	1	-	-
Pneumonia and influenza (480-487) .....	4	2	-	-	1	1	-	4	-	1	-	2	1	-
Pneumonia (480-486) .....	3	2	-	-	1	-	-	4	-	1	-	2	1	-
Influenza (487) .....	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519) .....	4	-	-	-	4	-	-	7	-	-	-	6	1	1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	-	-	-	-	-	-	-	3	1	-	-	1	1	1
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	1	-	-	-	1	-	-	4	1	-	-	1	2	2
Congenital anomalies (740-759) .....	86	59	5	3	19	3	1	67	39	7	6	19	2	1
Anencephalus and similar anomalies (740) .....	5	3	2	-	-	-	-	4	3	1	1	-	-	-
Spina bifida (741) .....	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Congenital hydrocephalus (742.3) .....	3	1	-	-	2	-	-	3	1	-	-	2	-	-
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	4	3	-	-	1	-	-	1	-	-	-	1	-	-
Congenital anomalies of heart (745-746) .....	30	21	-	-	7	2	-	23	13	-	-	9	1	1
Other congenital anomalies of circulatory system (747) .....	6	4	1	1	1	-	-	11	6	3	3	1	1	-
Congenital anomalies of respiratory system (748) .....	11	8	-	-	3	-	-	7	5	2	1	-	-	-
Congenital anomalies of digestive system (749-751) .....	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Congenital anomalies of genitourinary system (752-753) .....	6	5	-	-	1	1	-	4	3	-	-	1	-	-
Congenital anomalies of musculoskeletal system (754-756) .....	6	3	1	1	2	-	-	4	3	1	1	-	-	-
Down's syndrome (758.0) .....	-	-	-	-	-	-	-	2	-	-	-	2	-	-
Other chromosomal anomalies (758.1-758.9) .....	9	7	1	1	1	-	-	1	-	-	-	1	-	-
All other and unspecified congenital anomalies (744,757,759) .....	5	3	-	-	2	-	-	6	4	-	-	2	-	-
Certain conditions originating in the perinatal period (760-779) .....	133	118	9	8	3	3	3	140	94	37	31	7	2	2
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Newborn affected by maternal complications of pregnancy (761) .....	24	20	4	3	-	-	-	16	11	5	5	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762) .....	9	9	-	-	-	-	-	9	7	2	1	-	-	-
Newborn affected by other complications of labor and delivery (763) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764) .....	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765) .....	21	19	2	2	-	-	-	30	20	10	7	-	-	-
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	-	-	-	-	-	-	-	4	3	1	1	-	-	-
Intrauterine hypoxia and birth asphyxia (768) .....	3	3	-	-	-	-	-	4	2	2	2	-	-	-
Fetal distress in liveborn infant (768.2-768.4) .....	1	1	-	-	-	-	-	2	2	-	-	-	-	-
Birth asphyxia (768.5-768.9) .....	2	2	-	-	-	-	-	2	2	2	2	-	-	-
Respiratory distress syndrome (769) .....	18	17	1	1	-	-	-	18	16	1	-	1	-	-
Other respiratory conditions of newborn (770) .....	26	21	-	-	3	2	2	30	19	9	8	2	-	-
Infections specific to the perinatal period (771) .....	4	3	1	1	-	-	-	4	3	-	-	1	-	-
Neonatal hemorrhage (772) .....	2	2	-	-	-	-	-	2	1	1	1	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	2	2	-	-	-	-	-	1	-	-	-	1	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	22	20	1	1	-	1	1	21	11	6	6	2	2	2
Symptoms, signs, and ill-defined conditions (780-799) .....	67	5	1	1	55	6	5	49	4	-	-	35	10	9
Sudden infant death syndrome (798.0) .....	64	5	1	1	53	5	4	46	2	-	-	35	9	8
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	3	-	-	-	2	1	1	3	2	-	-	-	1	1
Accidents and adverse effects (E800-E949) .....	6	1	-	-	5	-	-	5	-	-	-	5	-	-
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	2	-	-	-	2	-	-	-	-	-	-	-	-	-
Accidental mechanical suffocation (E913) .....	1	-	-	-	1	-	-	2	-	-	-	2	-	-
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	3	1	-	-	2	-	-	3	-	-	-	3	-	-
Homicide (E960-E969) .....	3	-	-	-	2	1	1	4	-	-	-	2	2	-
Child battering and other maltreatment (E967) .....	2	-	-	-	1	1	1	1	-	-	-	1	1	-
Other homicide (E960-E966,E968-E969) .....	1	-	-	-	1	-	-	3	-	-	-	2	1	-
All other causes (Residual) .....	16	6	-	-	10	-	-	13	2	2	2	6	3	3

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	Kentucky							Louisiana						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes .....	544	260	56	55	193	35	34	814	238	283	279	143	150	150
Certain intestinal infections (008-009) .....	-	-	-	-	-	-	-	4	-	-	-	-	4	4
Whooping cough (033) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036) .....	-	-	-	-	-	-	-	2	-	-	-	1	1	1
Septicemia (038) .....	-	-	-	-	-	-	-	6	-	-	-	6	2	2
Viral diseases (045-079) .....	2	2	-	-	-	-	-	2	-	-	-	1	1	1
Congenital syphilis (090) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139) .....	1	-	-	-	-	1	1	4	-	-	-	3	1	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	3	1	-	-	2	-	-	2	-	-	-	2	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	3	1	-	-	2	-	-	1	1	-	-	-	-	-
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289) .....	1	-	-	-	1	-	-	1	-	-	-	1	-	-
Meningitis (320-322) .....	2	1	-	-	1	-	-	2	-	-	-	2	-	-
Other diseases of nervous system and sense organs (323-389) .....	7	1	-	-	5	1	1	12	1	-	-	5	6	6
Acute upper respiratory infections (460-465) .....	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (468,490-491) .....	4	-	-	-	4	-	-	7	-	1	1	3	3	3
Pneumonia and influenza (480-487) .....	8	1	-	-	6	1	-	18	1	2	2	3	12	12
Pneumonia (480-486) .....	8	1	-	-	6	1	-	18	1	2	2	3	12	12
Influenza (487) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-476,492-519) .....	3	-	-	-	3	-	-	15	1	2	2	3	9	9
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	2	1	-	-	-	1	1	5	-	1	1	2	2	2
Congenital anomalies (740-759) .....	143	96	9	9	36	2	2	169	73	45	43	32	19	19
Anencephalus and similar anomalies (740) .....	11	10	-	-	1	-	-	9	7	1	-	-	1	1
Spina bifida (741) .....	1	-	-	-	-	-	-	1	1	-	-	-	-	-
Congenital hydrocephalus (742.3) .....	3	1	-	-	2	-	-	4	-	1	1	1	2	2
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	5	3	1	1	1	-	-	10	4	3	3	2	1	1
Congenital anomalies of heart (745-746) .....	45	24	3	3	16	2	2	56	23	13	12	14	6	6
Other congenital anomalies of circulatory system (747) .....	10	8	-	-	2	-	-	10	6	2	2	2	-	-
Congenital anomalies of respiratory system (748) .....	21	17	4	4	-	-	-	20	12	7	7	-	1	1
Congenital anomalies of digestive system (749-751) .....	1	1	-	-	-	-	-	3	-	1	1	1	1	1
Congenital anomalies of genitourinary system (752-753) .....	9	8	1	1	-	-	-	10	9	1	1	-	-	-
Congenital anomalies of musculoskeletal system (754-756) .....	8	6	-	-	2	-	-	10	3	6	6	1	-	-
Down's syndrome (758.0) .....	2	1	-	-	1	-	-	7	-	1	1	4	2	2
Other chromosomal anomalies (759.1-759.9) .....	14	9	-	-	5	-	-	17	4	3	3	6	4	4
All other and unspecified congenital anomalies (744,757,759) .....	13	8	-	-	5	-	-	12	4	6	6	1	1	1
Certain conditions originating in the perinatal period (760-779) .....	208	141	45	44	16	4	4	393	146	225	223	5	17	17
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	2	2	-	-	-	-	-	1	-	1	1	-	-	-
Newborn affected by maternal complications of pregnancy (761) .....	23	17	4	4	2	-	-	30	16	14	14	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762) .....	6	6	-	-	-	-	-	15	6	9	9	-	-	-
Newborn affected by other complications of labor and delivery (763) .....	2	-	1	1	1	-	-	2	2	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764) .....	1	1	-	-	-	-	-	1	-	1	1	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765) .....	43	29	14	14	-	-	-	86	29	53	53	2	2	2
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	-	-	-	-	-	-	-	3	1	2	2	-	-	-
Intrauterine hypoxia and birth asphyxia (768) .....	9	8	1	1	-	-	-	12	5	7	7	-	-	-
Fetal distress in liveborn infant (768.2-768.4) .....	-	-	-	-	-	-	-	2	-	2	2	-	-	-
Birth asphyxia (768.5-768.9) .....	9	8	1	1	-	-	-	10	5	5	5	-	-	-
Respiratory distress syndrome (769) .....	45	30	10	9	4	1	1	51	17	30	30	1	3	3
Other respiratory conditions of newborn (770) .....	36	21	6	6	7	2	2	67	20	33	32	2	12	12
Infections specific to the perinatal period (771) .....	12	7	4	4	1	-	-	25	15	10	9	-	-	-
Neonatal hemorrhage (772) .....	5	5	-	-	-	-	-	3	2	1	1	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	22	15	5	5	1	1	1	96	32	64	64	-	-	-
Symptoms, signs, and ill-defined conditions (780-799) .....	123	9	2	2	97	15	15	101	7	1	1	50	43	43
Sudden infant death syndrome (798.0) .....	116	9	2	2	91	14	14	88	6	-	-	46	36	36
Symptoms, signs, and all other ill-defined conditions (790-797,798.1-799) .....	7	-	-	-	6	1	1	13	1	1	1	4	7	7
Accidents and adverse effects (E800-E948) .....	17	1	-	-	10	6	6	19	1	1	1	5	12	12
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	3	-	-	-	3	-	-	3	-	-	-	1	2	2
Accidental mechanical suffocation (E913) .....	5	-	-	-	3	2	2	3	-	-	-	-	3	3
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	9	1	-	-	4	4	4	13	1	1	1	4	7	7
Homicide (E960-E969) .....	3	1	-	-	1	1	1	5	-	1	1	2	2	2
Child battering and other maltreatment (E967) .....	1	-	-	-	1	1	1	3	-	-	-	1	2	2
Other homicide (E960-E966,E968-E969) .....	2	1	-	-	1	-	-	2	-	1	1	1	-	-
All other causes (Residual) .....	15	4	-	-	8	3	3	42	7	4	4	15	16	16



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Table 2-17: Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044; see Technical Appendix]

Cause of death	Maine							Maryland						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes	136	89	-	-	46	1	-	854	285	318	310	130	121	114
Certain intestinal infections (008-009)	-	-	-	-	-	-	-	2	-	-	-	-	2	2
Whooping cough (033)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Septicemia (038)	-	-	-	-	-	-	-	5	-	-	-	2	3	3
Viral diseases (045-079)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital syphilis (090)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042,*044,080-086,091-139)	1	1	-	-	-	-	-	2	1	-	-	-	1	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	-	-	-	-	-	-	-	2	-	-	-	1	1	1
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of thymus gland (254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	-	-	-	-	-	-	-	2	-	-	-	-	2	2
Meningitis (320-322)	1	-	-	-	1	-	-	4	-	-	-	3	1	1
Other diseases of nervous system and sense organs (323-389)	1	-	-	-	1	-	-	10	1	-	-	7	2	2
Acute upper respiratory infections (460-465)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491)	-	-	-	-	-	-	-	2	-	-	-	2	-	-
Pneumonia and influenza (480-487)	2	-	-	-	2	-	-	6	-	-	-	2	4	4
Pneumonia (480-486)	2	-	-	-	2	-	-	6	-	-	-	2	4	4
Influenza (487)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	2	1	-	-	1	-	-	3	-	-	-	1	2	2
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	-	-	-	-	-	-	-	3	1	1	1	-	1	1
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579)	1	1	-	-	-	-	-	3	-	-	-	1	2	1
Congenital anomalies (740-759)	38	28	-	-	10	-	-	144	66	35	34	30	13	11
Anencephalus and similar anomalies (740)	2	2	-	-	-	-	-	6	4	2	2	-	-	-
Spina bifida (741)	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Congenital hydrocephalus (742.3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	2	2	-	-	-	-	-	12	4	2	1	4	2	1
Congenital anomalies of heart (745-746)	10	4	-	-	6	-	-	37	16	5	5	9	7	6
Other congenital anomalies of circulatory system (747)	3	2	-	-	1	-	-	17	6	6	6	4	1	1
Congenital anomalies of respiratory system (748)	8	8	-	-	-	-	-	12	3	7	7	2	-	-
Congenital anomalies of digestive system (749-751)	-	-	-	-	-	-	-	2	1	-	-	1	-	-
Congenital anomalies of genitourinary system (752-753)	2	2	-	-	-	-	-	14	10	3	3	1	-	-
Congenital anomalies of musculoskeletal system (754-756)	4	3	-	-	1	-	-	8	5	2	2	1	-	-
Down's syndrome (758.0)	1	1	-	-	-	-	-	2	2	-	-	-	-	-
Other chromosomal anomalies (758.1-758.9)	5	4	-	-	1	-	-	22	9	4	4	7	2	2
All other and unspecified congenital anomalies (744,757,759)	1	-	-	-	1	-	-	11	6	4	4	1	-	-
Certain conditions originating in the perinatal period (760-779)	51	48	-	-	3	-	-	480	200	259	254	14	7	7
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Newborn affected by maternal complications of pregnancy (761)	-	-	-	-	-	-	-	33	15	18	18	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	6	6	-	-	-	-	-	10	6	4	4	-	-	-
Newborn affected by other complications of labor and delivery (763)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	-	-	-	-	-	-	2	2	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	13	12	-	-	1	-	-	134	47	85	84	1	1	1
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	2	2	-	-	-	-	-	7	5	2	2	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	3	3	-	-	-	-	-	25	13	12	12	-	-	-
Fetal distress in liveborn infant (768.2-768.4)	2	2	-	-	-	-	-	5	1	4	4	-	-	-
Birth asphyxia (768.5-768.9)	1	1	-	-	-	-	-	20	12	8	8	-	-	-
Respiratory distress syndrome (769)	14	13	-	-	1	-	-	70	31	36	35	3	-	-
Other respiratory conditions of newborn (770)	5	4	-	-	1	-	-	67	21	35	34	7	4	4
Infections specific to the perinatal period (771)	4	4	-	-	-	-	-	14	9	5	4	-	-	-
Neonatal hemorrhage (772)	1	1	-	-	-	-	-	8	3	5	5	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	2	2	-	-	-	-	-	108	46	57	56	3	2	2
Symptoms, signs, and ill-defined conditions (780-799)	28	5	-	-	22	1	-	138	6	16	15	56	60	58
Sudden infant death syndrome (798.0)	26	4	-	-	21	1	-	100	2	10	10	47	41	37
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	2	1	-	-	1	-	-	38	4	6	5	9	19	19
Accidents and adverse effects (E800-E949)	3	-	-	-	3	-	-	8	-	-	-	3	5	5
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	-	-	-	-	-	-	-	3	-	-	-	2	1	1
Accidental mechanical suffocation (E913)	-	-	-	-	-	-	-	2	-	-	-	-	2	2
Other accidental causes and adverse effects (E800-E910,E914-E949)	3	-	-	-	3	-	-	3	-	-	-	1	2	2
Homicide (E960-E969)	-	-	-	-	-	-	-	4	-	-	-	1	3	3
Child battering and other maltreatment (E967)	-	-	-	-	-	-	-	1	-	-	-	-	1	1
Other homicide (E960-E966,E968-E969)	-	-	-	-	-	-	-	3	-	-	-	1	2	2
All other causes (Residual)	8	5	-	-	3	-	-	36	10	7	6	7	12	12

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Table 2-17. Deaths Under 1 Year; Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988-Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix.]

Cause of death	Massachusetts							Michigan						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes .....	695	386	93	87	164	52	45	1,544	628	442	430	325	148	141
Certain Intestinal infections (008-009) .....	-	-	-	-	-	-	-	2	-	-	-	1	1	1
Whooping cough (039) .....	-	-	-	-	-	-	-	1	-	-	-	1	1	1
Meningococcal infection (036) .....	1	-	-	-	-	1	1	2	-	-	-	1	1	1
Septicemia (038) .....	3	-	-	-	3	-	-	5	-	-	-	3	2	1
Viral diseases (045-079) .....	-	-	-	-	-	-	-	3	-	-	-	2	-	-
Congenital syphilis (090) .....	-	-	-	-	-	-	-	1	-	1	1	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-*044, 080-088, 091-139) .....	4	-	-	-	2	2	2	6	-	1	1	2	3	3
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	2	-	-	-	2	-	-	3	-	-	-	2	1	1
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	2	1	-	-	1	-	-	2	1	-	-	1	-	-
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289) .....	1	-	-	-	1	-	-	1	-	-	-	-	1	1
Meningitis (320-322) .....	4	-	-	-	4	-	-	5	1	-	-	2	2	2
Other diseases of nervous system and sense organs (323-389) .....	12	-	-	-	11	1	1	20	1	1	1	13	6	6
Acute upper respiratory infections (460-465) .....	1	-	-	-	1	1	1	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491) .....	-	-	-	-	-	-	-	7	-	-	-	6	1	1
Pneumonia and influenza (480-487) .....	2	-	-	-	1	1	1	18	-	1	1	12	5	5
Pneumonia (480-486) .....	2	-	-	-	1	1	1	18	-	1	1	12	5	5
Influenza (487) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478, 492-519) .....	2	-	-	-	1	1	1	4	-	-	-	3	1	1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553, 560) .....	1	-	-	-	1	-	-	2	-	-	-	2	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535, 555-558) .....	3	-	-	-	3	-	-	3	-	-	-	-	3	3
Remainder of diseases of digestive system (520-534, 536-543, 562-579) .....	2	-	-	-	1	1	1	6	-	-	-	6	-	-
Congenital anomalies (740-759) .....	136	93	9	8	27	7	6	293	170	48	43	57	18	17
Anencephalus and similar anomalies (740) .....	3	3	-	-	-	-	-	22	20	2	2	-	-	-
Spina bifida (741) .....	-	-	-	-	-	-	-	2	-	1	1	1	-	-
Congenital hydrocephalus (742.3) .....	5	3	-	-	1	1	-	6	3	1	-	1	1	1
Other congenital anomalies of central nervous system and eye (742.0-742.2, 742.4-742.9, 743) .....	6	3	-	-	3	-	-	14	6	2	2	6	-	-
Congenital anomalies of heart (745-746) .....	54	33	3	3	17	1	1	92	46	8	6	29	9	8
Other congenital anomalies of circulatory system (747) .....	7	4	1	-	2	-	-	15	4	6	6	3	2	2
Congenital anomalies of respiratory system (748) .....	20	15	2	2	2	1	1	50	36	10	10	2	2	2
Congenital anomalies of digestive system (749-751) .....	2	1	-	-	1	1	-	5	2	1	1	2	-	-
Congenital anomalies of genitourinary system (752-753) .....	12	10	2	2	-	-	-	11	10	1	1	-	-	-
Congenital anomalies of musculoskeletal system (754-756) .....	12	12	-	-	-	-	-	22	15	4	4	3	-	-
Down's syndrome (758.0) .....	-	-	-	-	-	-	-	3	2	-	-	1	-	-
Other chromosomal anomalies (758.1-758.9) .....	6	4	-	-	1	1	1	28	17	3	2	7	1	1
All other and unspecified congenital anomalies (744, 757, 759) .....	9	5	1	1	1	2	2	23	9	9	8	2	3	3
Certain conditions originating in the perinatal period (760-779) .....	374	274	80	75	17	3	3	844	421	374	367	30	19	19
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	2	2	-	-	-	-	-	3	2	1	1	-	-	-
Newborn affected by maternal complications of pregnancy (761) .....	35	22	13	13	-	-	-	64	36	28	27	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762) .....	24	17	7	6	-	-	-	34	23	11	10	-	-	-
Newborn affected by other complications of labor and delivery (763) .....	-	-	-	-	-	-	-	1	-	-	-	-	1	1
Slow fetal growth and fetal malnutrition (764) .....	-	-	-	-	-	-	-	2	-	2	2	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765) .....	61	44	15	12	1	1	1	179	66	110	107	2	1	1
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	1	1	-	-	-	-	-	10	5	3	3	2	-	-
Intrauterine hypoxia and birth asphyxia (768) .....	26	16	8	8	2	-	-	26	13	11	11	2	-	-
Fetal distress in liveborn infant (768.2-768.4) .....	9	6	1	1	2	-	-	2	1	-	-	1	-	-
Birth asphyxia (768.5-768.9) .....	17	10	7	7	-	-	-	24	12	11	11	1	-	-
Respiratory distress syndrome (769) .....	53	45	5	5	3	-	-	136	76	51	49	8	1	1
Other respiratory conditions of newborn (770) .....	89	65	14	14	10	-	-	150	91	35	35	11	13	13
Infections specific to the perinatal period (771) .....	14	12	2	2	-	-	-	35	19	13	13	2	1	-1
Neonatal hemorrhage (772) .....	1	1	-	-	-	-	-	8	4	4	4	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9, 776.1-779) .....	68	49	16	15	1	2	2	194	84	105	105	3	2	2
Symptoms, signs, and ill-defined conditions (780-799) .....	98	7	2	2	62	27	22	203	16	6	6	128	53	49
Sudden infant death syndrome (798.0) .....	79	5	-	-	51	23	19	199	15	6	6	125	53	49
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799) .....	19	2	2	2	11	4	3	4	1	-	-	3	-	-
Accidents and adverse effects (E800-E949) .....	9	-	-	-	8	1	1	37	1	-	-	24	12	12
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	-	-	-	-	-	-	-	4	-	-	-	3	1	1
Accidental mechanical suffocation (E913) .....	4	-	-	-	4	-	-	13	-	-	-	6	7	7
Other accidental causes and adverse effects (E800-E910, E914-E949) .....	5	-	-	-	4	1	1	20	1	-	-	15	4	4
Homicide (E960-E969) .....	8	-	1	1	6	1	1	8	-	-	-	4	4	4
Child battering and other maltreatment (E967) .....	1	-	-	-	1	1	1	7	-	-	-	4	3	3
Other homicide (E960-E966, E968-E969) .....	7	-	1	1	5	1	1	1	-	-	-	1	1	1
All other causes (Residual) .....	30	11	1	1	13	1	4	68	18	9	9	26	15	14

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	Minnesota							Mississippi						
	All races, under 1 year	Under 28 days		28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months			
		White	All other		White	All other		White	All other		White	All other		
			Total	Black		Total			Black	Total		Black	Total	Black
All causes	521	264	51	33	170	36	21	516	118	200	197	71	127	123
Certain intestinal infections (008-009)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (033)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	-	-	-	-	-	-	-	3	-	-	-	2	1	1
Septicemia (038)	3	...	...	...	3	-	-	...	...	...	...	-	1	1
Viral diseases (045-079)	2	-	-	-	1	1	1	2	1	-	-	-	1	1
Congenital syphilis (090)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-044,080-088,091-139)	4	1	-	-	3	-	-	3	1	-	-	-	2	2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of thymus gland (254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	3	-	-	-	2	1	1	-	-	-	-	-	-	-
Meningitis (320-322)	1	-	-	-	1	-	-	5	1	1	1	1	2	2
Other diseases of nervous system and sense organs (323-389)	6	2	-	-	3	1	1	8	-	-	-	4	4	4
Acute upper respiratory infections (460-465)	-	-	-	-	-	-	-	1	-	-	-	-	1	1
Bronchitis and bronchiolitis (466,490-491)	1	-	-	-	1	-	-	1	-	-	-	-	1	1
Pneumonia and influenza (480-487)	5	1	-	-	4	-	-	6	-	1	1	2	3	3
Pneumonia (480-486)	5	1	-	-	4	-	-	6	-	1	1	2	3	3
Influenza (487)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-479,492-519)	10	-	-	-	7	3	1	7	1	-	-	2	4	3
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	2	1	-	-	-	1	-	1	-	-	-	-	1	1
Remainder of diseases of digestive system (520-534,536-543,562-579)	1	-	-	-	-	1	-	6	1	2	2	1	2	2
Congenital anomalies (740-759)	139	98	12	7	27	2	1	102	39	27	25	12	24	23
Anencephalus and similar anomalies (740)	13	13	-	-	-	-	-	9	5	3	3	-	1	1
Spina bifida (741)	1	-	1	1	-	-	-	1	-	-	-	-	1	1
Congenital hydrocephalus (742.3)	3	1	-	-	2	-	-	2	-	1	1	-	1	1
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	9	8	-	-	1	-	-	6	1	1	1	2	2	2
Congenital anomalies of heart (745-746)	41	25	1	-	15	-	-	31	6	6	5	7	12	12
Other congenital anomalies of circulatory system (747)	5	2	-	-	3	-	-	6	2	3	3	1	-	-
Congenital anomalies of respiratory system (748)	19	14	5	3	-	-	-	10	5	5	4	-	-	-
Congenital anomalies of digestive system (749-751)	2	2	1	-	-	-	-	2	2	-	-	-	-	-
Congenital anomalies of genitourinary system (752-753)	13	12	1	1	-	-	-	6	5	1	1	-	-	-
Congenital anomalies of musculoskeletal system (754-756)	14	10	1	-	2	1	-	8	5	2	2	-	1	-
Down's syndrome (758.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other chromosomal anomalies (758.1-758.9)	11	7	-	-	3	1	1	10	1	5	5	-	4	4
All other and unspecified congenital anomalies (744,757,759)	8	6	1	1	1	-	-	11	7	-	-	2	2	2
Certain conditions originating in the perinatal period (760-779)	203	149	37	26	11	6	1	231	64	155	154	3	9	9
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	5	4	-	-	-	1	-	2	1	1	1	-	-	-
Newborn affected by maternal complications of pregnancy (761)	13	9	4	3	-	-	-	15	1	14	14	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	19	17	2	2	-	-	-	11	2	9	9	-	-	-
Newborn affected by other complications of labor and delivery (763)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	30	22	8	6	-	-	-	42	8	34	34	-	-	-
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	3	3	-	-	-	-	-	5	3	1	1	-	1	1
Intrauterine hypoxia and birth asphyxia (768)	16	11	3	2	2	-	-	15	5	9	8	-	1	1
Fetal distress in liveborn infant (768.2-768.4)	3	2	-	-	1	-	-	5	1	4	3	-	-	-
Birth asphyxia (768.5-768.9)	13	9	3	2	1	-	-	10	4	5	5	-	1	1
Respiratory distress syndrome (769)	36	25	7	3	2	2	-	64	21	31	31	-	2	2
Other respiratory conditions of newborn (770)	52	36	10	9	5	1	1	33	11	17	17	2	3	3
Infections specific to the perinatal period (771)	8	5	2	1	1	-	-	12	2	9	9	-	1	1
Neonatal hemorrhage (772)	2	2	-	-	-	-	-	5	-	5	5	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	3	3	-	-	-	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	16	12	1	-	1	2	-	37	10	25	25	1	1	1
Symptoms, signs, and ill-defined conditions (780-799)	103	3	-	-	85	15	10	93	5	10	10	29	49	47
Sudden infant death syndrome (798.0)	99	3	-	-	81	15	10	83	4	7	7	27	45	43
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	4	-	-	-	4	-	-	10	1	3	3	2	4	4
Accidents and adverse effects (E800-E949)	10	2	-	-	7	1	1	20	2	1	1	6	11	11
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	-	-	-	-	-	-	-	5	-	-	-	2	3	3
Accidental mechanical suffocation (E913)	3	1	-	-	1	1	1	3	1	-	-	-	2	2
Other accidental causes and adverse effects (E800-E910,E914-E949)	7	1	-	-	6	-	-	12	1	1	1	4	6	6
Homicide (E960-E969)	4	-	-	-	3	1	1	3	-	1	1	1	1	1
Child battering and other maltreatment (E967)	1	-	-	-	1	-	-	1	-	-	-	1	-	-
Other homicide (E960-E966,E968-E969)	3	-	-	-	2	1	1	2	-	1	1	-	1	1
All other causes (Residual)	22	5	2	-	12	3	3	25	3	2	2	8	12	12

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	Missouri							Montana						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	Total	Black	White	Total	Black		White	Total	Black	White	Total	Black
All causes .....	773	353	135	132	211	74	73	102	50	3	1	37	12	-
Certain intestinal infections (008-009) .....	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Whooping cough (033) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036) .....	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Septicemia (038) .....	3	-	-	-	1	2	2	-	-	-	-	-	-	-
Viral diseases (045-079) .....	2	-	1	1	1	-	-	1	-	-	-	1	-	-
Congenital syphilis (090) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,050-058,091-139) .....	1	-	1	1	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	2	-	-	-	1	1	1	-	-	-	-	-	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis (320-322) .....	4	1	-	-	2	1	1	1	-	-	-	1	-	-
Other diseases of nervous system and sense organs (323-369) .....	8	2	-	-	6	-	-	1	-	-	-	1	-	-
Acute upper respiratory infections (460-465) .....	2	-	-	-	2	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491) .....	2	-	-	-	2	2	2	1	-	-	-	-	-	-
Pneumonia and influenza (480-487) .....	7	3	2	2	2	-	-	1	-	-	-	1	-	-
Pneumonia (480-486) .....	7	3	2	2	2	-	-	1	-	-	-	1	-	-
Influenza (487) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519) .....	8	-	-	-	7	1	1	4	-	-	-	1	3	-
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	3	2	-	-	1	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	2	1	-	-	-	1	1	-	-	-	-	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	3	-	-	-	3	-	-	-	-	-	-	-	-	-
Congenital anomalies (740-759) .....	162	95	20	20	41	6	6	29	18	2	1	9	-	-
Anencephalus and similar anomalies (740) .....	10	9	-	-	-	1	1	2	2	-	-	-	-	-
Spina bifida (741) .....	2	-	1	1	1	-	-	-	-	-	-	-	-	-
Congenital hydrocephalus (742.3) .....	2	-	1	1	1	-	-	1	1	-	-	-	-	-
Other congenital anomalies of central nervous system and eyes (742.0-742.2,742.4-742.9,743) .....	11	6	1	1	4	-	-	-	-	-	-	-	-	-
Congenital anomalies of heart (745-746) .....	60	30	3	3	23	4	4	7	4	-	-	3	-	-
Other congenital anomalies of circulatory system (747) .....	10	6	2	2	2	-	-	3	1	-	-	2	-	-
Congenital anomalies of respiratory system (748) .....	23	18	3	3	2	-	-	5	4	1	-	-	-	-
Congenital anomalies of digestive system (749-751) .....	2	1	-	-	1	-	-	-	-	-	-	-	-	-
Congenital anomalies of genitourinary system (752-753) .....	15	12	3	3	-	-	-	2	1	1	1	-	-	-
Congenital anomalies of musculoskeletal system (754-756) .....	7	5	-	-	1	1	1	-	-	-	-	-	-	-
Down's syndrome (758.0) .....	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Other chromosomal anomalies (758.1-758.9) .....	11	5	3	3	3	-	-	5	3	-	-	2	-	-
All other and unspecified congenital anomalies (744,757,759) .....	8	3	3	3	3	-	-	4	2	-	-	2	-	-
Certain conditions originating in the perinatal period (760-779) .....	347	226	103	100	13	5	5	32	27	1	-	4	-	-
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	2	2	-	-	-	-	-	1	1	-	-	-	-	-
Newborn affected by maternal complications of pregnancy (761) .....	37	24	13	13	-	-	-	1	1	-	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762) .....	25	21	4	3	-	-	-	4	4	-	-	-	-	-
Newborn affected by other complications of labor and delivery (763) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764) .....	1	-	1	1	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765) .....	61	32	29	29	-	-	-	4	4	-	-	-	-	-
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768) .....	14	9	5	4	-	-	-	7	6	-	-	1	-	-
Fetal distress in liveborn infant (768.2-768.4) .....	4	2	2	1	-	-	-	-	-	-	-	-	-	-
Birth asphyxia (768.5-768.9) .....	10	7	3	3	-	-	-	7	6	-	-	1	-	-
Respiratory distress syndrome (769) .....	70	55	12	12	2	1	1	4	3	1	-	-	-	-
Other respiratory conditions of newborn (770) .....	63	39	14	14	7	3	3	6	3	-	-	3	-	-
Infections specific to the perinatal period (771) .....	21	10	8	8	2	1	1	2	2	-	-	-	-	-
Neonatal hemorrhage (772) .....	6	4	2	2	-	-	-	-	-	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	2	1	-	-	1	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	49	27	15	14	1	-	-	3	3	-	-	-	-	-
Symptoms, signs, and ill-defined conditions (780-799) .....	144	9	2	2	101	32	32	28	1	-	-	18	9	-
Sudden infant death syndrome (798.0) .....	134	8	1	1	97	28	28	22	-	-	-	13	9	-
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	10	1	1	1	4	4	4	6	1	-	-	5	-	-
Accidents and adverse effects (E800-E949) .....	28	2	1	1	14	11	10	2	1	-	-	1	-	-
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	5	-	-	-	3	2	1	-	-	-	-	-	-	-
Accidental mechanical suffocation (E913) .....	5	-	-	-	3	2	2	-	-	-	-	-	-	-
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	18	2	1	1	8	7	7	2	1	-	-	1	-	-
Homicide (E960-E969) .....	7	-	-	-	5	2	2	-	-	-	-	-	-	-
Child battering and other maltreatment (E967) .....	4	-	-	-	3	1	1	-	-	-	-	-	-	-
Other homicide (E960-E966,E968-E969) .....	3	-	-	-	2	1	1	-	-	-	-	-	-	-
All other causes (Residual) .....	34	10	5	5	9	10	10	3	3	-	-	-	-	-

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044; see Technical Appendix]

Cause of death	Nebraska							Nevada						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes	215	107	21	17	70	17	15	152	49	17	16	61	25	21
Certain intestinal infections (008-009)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (033)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Septicemia (038)	1	...	...	...	1	-	-	1	...	...	...	1	-	-
Viral diseases (045-079)	1	-	-	-	1	-	-	2	-	-	-	1	1	1
Congenital syphilis (090)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042,*044,080-088,091-139)	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	1	-	-	-	-	1	1	-	-	-	-	-	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of thymus gland (254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Meningitis (320-322)	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Other diseases of nervous system and sense organs (323-389)	1	-	-	-	-	1	1	-	-	-	-	-	-	-
Acute upper respiratory infections (480-485)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and influenza (480-487)	4	-	-	-	4	-	-	6	-	-	-	4	2	2
Pneumonia (480-486)	4	-	-	-	4	-	-	6	-	-	-	4	2	2
Influenza (487)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	2	-	-	-	2	-	-	4	-	-	-	3	1	-
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital anomalies (740-759)	59	44	3	3	11	1	-	25	18	2	1	3	2	2
Anencephalus and similar anomalies (740)	5	5	-	-	-	-	-	-	-	-	-	-	-	-
Spina bifida (741)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital hydrocephalus (742.3)	1	1	-	-	-	-	-	2	1	-	-	-	1	1
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital anomalies of heart (745-746)	16	9	-	-	6	1	-	7	4	1	-	2	-	-
Other congenital anomalies of circulatory system (747)	1	1	-	-	-	-	-	1	-	-	-	-	1	1
Congenital anomalies of respiratory system (748)	12	9	2	2	1	-	-	3	3	-	-	-	-	-
Congenital anomalies of digestive system (749-751)	2	1	-	-	1	-	-	-	-	-	-	-	-	-
Congenital anomalies of genitourinary system (752-753)	7	6	-	-	1	-	-	2	2	-	-	-	-	-
Congenital anomalies of musculoskeletal system (754-756)	2	2	-	-	-	-	-	2	2	-	-	-	-	-
Down's syndrome (758.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other chromosomal anomalies (758.1-758.9)	11	8	1	1	2	-	-	4	3	-	-	1	-	-
All other and unspecified congenital anomalies (744,757,759)	2	2	-	-	-	-	-	3	2	1	1	-	-	-
Certain conditions originating in the perinatal period (760-779)	84	60	17	13	5	2	2	49	29	15	15	1	4	3
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	2	1	1	-	-	-	-	1	1	-	-	-	-	-
Newborn affected by maternal complications of pregnancy (761)	4	2	2	1	-	-	-	2	1	1	1	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	8	8	-	-	-	-	-	2	2	-	-	-	-	-
Newborn affected by other complications of labor and delivery (763)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	11	6	5	5	-	-	-	2	1	1	1	-	-	-
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	5	4	1	1	-	-	-	1	1	-	-	-	-	-
Fetal distress in liveborn infant (768.2-768.4)	2	2	-	-	-	-	-	1	1	-	-	-	-	-
Birth asphyxia (768.5-768.9)	3	2	1	1	-	-	-	-	-	-	-	-	-	-
Respiratory distress syndrome (769)	6	3	2	2	1	-	-	15	10	2	2	1	2	1
Other respiratory conditions of newborn (770)	24	17	2	-	3	2	2	10	5	4	4	-	1	1
Infections specific to the perinatal period (771)	3	2	1	1	-	-	-	3	2	1	1	-	-	-
Neonatal hemorrhage (772)	2	1	1	1	-	-	-	1	1	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	-	-	-	-	-	-	-	1	-	-	-	-	1	1
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-778)	18	15	2	2	1	-	-	11	5	6	6	-	-	-
Symptoms, signs, and ill-defined conditions (780-799)	45	2	-	-	33	11	10	47	1	-	-	36	10	10
Sudden infant death syndrome (798.0)	44	2	-	-	31	11	10	45	1	-	-	34	10	10
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	2	-	-	-	2	-	-	2	-	-	-	2	-	-
Accidents and adverse effects (E800-E949)	4	-	-	-	4	-	-	6	-	-	-	5	1	1
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	-	-	-	-	-	-	-	3	-	-	-	2	1	1
Accidental mechanical suffocation (E913)	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Other accidental causes and adverse effects (E800-E910,E914-E949)	3	-	-	-	3	-	-	3	-	-	-	3	-	-
Homicide (E960-E969)	1	-	-	-	-	1	1	1	-	-	-	-	1	1
Child battering and other maltreatment (E967)	1	-	-	-	-	1	1	-	-	-	-	-	-	-
Other homicide (E960-E966,E968-E969)	-	-	-	-	-	-	-	1	-	-	-	-	1	1
All other causes (Residual)	9	1	1	1	7	-	-	7	1	-	-	3	3	1

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	New Hampshire							New Jersey						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes .....	144	87	3	2	54	-	1,168	497	298	285	208	165	154	
Certain intestinal infections (008-009) .....	1	-	-	-	1	-	4	-	-	-	1	3	2	
Whooping cough (033) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	
Meningococcal infection (036) .....	2	1	-	-	1	-	1	-	-	-	1	3	2	
Sepsis (038) .....	3	-	-	-	3	-	15	-	-	-	12	3	3	
Viral diseases (045-079) .....	1	-	-	-	1	-	2	-	-	-	1	1	1	
Congenital syphilis (090) .....	1	-	-	-	-	-	1	-	1	1	-	-	-	
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-044,080-088,091-139) .....	-	-	-	-	-	-	14	-	-	-	7	7	7	
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	-	-	-	-	-	-	3	2	-	-	1	-	-	
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	1	1	-	-	-	-	2	1	-	-	1	-	-	
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cystic fibrosis (277.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	
Diseases of blood and blood-forming organs (280-289) .....	-	-	-	-	-	-	2	2	-	-	-	-	-	
Meningitis (320-322) .....	-	-	-	-	-	-	7	-	1	1	3	3	3	
Other diseases of nervous system and sense organs (323-389) .....	2	1	-	-	1	-	10	1	-	-	7	2	2	
Acute upper respiratory infections (460-465) .....	-	-	-	-	-	-	1	-	-	-	-	1	1	
Bronchitis and bronchiolitis (466,490-491) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pneumonia and influenza (480-487) .....	3	1	-	-	2	-	11	1	-	-	5	5	5	
Pneumonia (480-486) .....	3	1	-	-	2	-	11	1	-	-	5	5	5	
Influenza (487) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	
Remainder of diseases of respiratory system (470-478,492-519) .....	1	-	-	-	1	-	18	2	-	-	7	4	4	
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (560-563,560) .....	-	-	-	-	-	-	1	-	-	-	-	1	1	
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	1	-	-	-	1	-	2	-	1	1	-	1	1	
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	-	-	-	-	-	-	7	1	-	-	4	2	2	
Congenital anomalies (740-759) .....	31	23	-	-	8	-	237	123	50	45	44	20	17	
Anencephalus and similar anomalies (740) .....	1	1	-	-	-	-	9	7	2	2	-	-	-	
Spina bifida (741) .....	1	1	-	-	-	-	2	1	1	1	-	-	-	
Congenital hydrocephalus (742.3) .....	1	1	-	-	-	-	4	3	-	-	1	-	-	
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	1	1	-	-	-	-	6	2	-	-	4	-	-	
Congenital anomalies of heart (745-746) .....	14	6	-	-	8	-	69	32	10	9	16	11	8	
Other congenital anomalies of circulatory system (747) .....	2	2	-	-	-	-	26	9	8	7	5	4	4	
Congenital anomalies of respiratory system (748) .....	5	5	-	-	-	-	37	20	16	13	1	-	-	
Congenital anomalies of digestive system (749-751) .....	1	-	-	-	-	-	7	2	1	1	2	2	2	
Congenital anomalies of genitourinary system (752-753) .....	1	1	-	-	-	-	9	7	1	1	-	1	1	
Congenital anomalies of musculoskeletal system (754-756) .....	1	1	-	-	-	-	21	15	4	4	2	-	-	
Down's syndrome (758.0) .....	1	1	-	-	-	-	1	-	-	-	1	-	-	
Other chromosomal anomalies (758.1-758.9) .....	1	1	-	-	-	-	24	14	3	3	7	-	-	
All other and unspecified congenital anomalies (744,757,759) .....	2	2	-	-	-	-	22	11	4	4	5	2	2	
Certain conditions originating in the perinatal period (760-779) .....	63	55	3	2	5	-	605	339	224	219	19	23	21	
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	-	-	-	-	-	-	3	-	2	2	-	1	1	
Newborn affected by maternal complications of pregnancy (761) .....	5	5	-	-	-	-	50	31	18	18	-	1	1	
Newborn affected by complications of placenta, cord, and membranes (762) .....	7	6	1	1	-	-	24	18	9	9	1	1	1	
Newborn affected by other complications of labor and delivery (763) .....	-	-	-	-	-	-	3	3	-	-	-	-	-	
Slow fetal growth and fetal malnutrition (764) .....	-	-	-	-	-	-	3	2	1	1	-	-	-	
Disorders relating to short gestation and unspecified low birthweight (765) .....	10	9	1	1	-	-	108	59	44	44	2	3	3	
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	
Birth trauma (767) .....	2	2	-	-	-	-	5	2	3	3	-	-	-	
Intrauterine hypoxia and birth asphyxia (768) .....	3	2	1	-	-	-	16	13	3	3	-	-	-	
Fetal distress in liveborn infant (768.2-768.4) .....	1	-	-	-	-	-	3	2	1	1	-	-	-	
Birth asphyxia (768.5-768.9) .....	2	2	-	-	-	-	13	11	2	2	-	-	-	
Respiratory distress syndrome (769) .....	14	10	-	-	4	-	134	72	51	50	3	8	7	
Other respiratory conditions of newborn (770) .....	10	9	-	-	1	-	105	44	42	41	11	8	7	
Infections specific to the perinatal period (771) .....	3	3	-	-	-	-	27	15	11	10	1	-	-	
Neonatal hemorrhage (772) .....	3	3	-	-	-	-	14	7	7	7	-	-	-	
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	-	-	-	-	-	-	7	6	1	1	-	-	-	
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	1	1	-	-	-	-	-	
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	8	6	-	-	-	-	105	71	32	30	1	1	1	
Symptoms, signs, and ill-defined conditions (780-799) .....	30	2	-	-	28	-	149	6	10	9	74	59	55	
Sudden infant death syndrome (798.0) .....	26	1	-	-	25	-	88	2	2	2	50	34	32	
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	4	1	-	-	3	-	61	4	8	7	24	25	23	
Accidents and adverse effects (E800-E949) .....	2	1	-	-	1	-	16	1	1	-	6	8	8	
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	-	-	-	-	-	-	1	-	-	-	-	1	1	
Accidental mechanical suffocation (E913) .....	2	1	-	-	1	-	3	-	-	-	2	1	1	
Other accidental causes and adverse effects (E900-E910,E914-E949) .....	-	-	-	-	-	-	12	1	1	-	4	6	6	
Homicide (E960-E969) .....	1	-	-	-	1	-	4	-	-	-	-	4	4	
Child battering and other maltreatment (E967) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other homicide (E960-E966,E968-E969) .....	1	-	-	-	1	-	4	-	-	-	-	4	4	
All other causes (Residual) .....	2	2	-	-	-	-	61	18	10	9	15	18	17	

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	New Mexico							New York						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes	270	133	32	6	81	24	4	3,017	1,264	817	776	549	387	374
Certain intestinal infections (008-009)	1	-	-	-	1	-	-	4	-	-	-	1	3	3
Whooping cough (033)	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Meningococcal infection (036)	1	-	-	-	1	-	-	5	1	-	-	3	-	-
Septicemia (038)	1	-	-	-	1	-	-	20	-	-	-	9	11	10
Viral diseases (045-079)	4	1	-	-	2	1	-	8	1	-	-	6	1	-
Congenital syphilis (090)	-	-	-	-	-	-	-	2	1	1	1	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-*044, 080-088, 091-139)	1	-	-	-	1	-	-	36	-	-	-	19	17	17
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	-	-	-	-	-	-	-	7	-	-	-	6	1	1
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	-	-	-	-	-	-	-	6	3	-	-	3	-	-
Diseases of thymus gland (254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	-	-	-	-	-	-	-	5	1	1	1	3	-	-
Meningitis (320-322)	5	-	-	-	3	2	-	10	-	2	2	6	2	2
Other diseases of nervous system and sense organs (323-389)	3	-	-	-	2	1	-	29	1	2	2	18	8	6
Acute upper respiratory infections (460-465)	1	-	-	-	1	-	-	2	-	-	-	1	1	1
Bronchitis and bronchiolitis (466, 490-491)	1	-	-	-	1	-	-	5	-	-	-	3	2	2
Pneumonia and influenza (480-487)	4	-	-	-	2	2	-	67	8	9	9	31	19	19
Pneumonia (480-486)	4	-	-	-	2	2	-	67	8	9	9	31	19	19
Influenza (487)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478, 492-519)	-	-	-	-	-	-	-	14	3	-	-	7	4	4
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553, 560)	-	-	-	-	-	-	-	6	2	2	2	-	2	2
Gastritis, duodenitis, and noninfective enteritis and colitis (535, 555-558)	2	-	-	-	2	-	-	5	-	-	-	4	1	1
Remainder of diseases of digestive system (520-534, 536-543, 562-579)	-	-	-	-	-	-	-	21	3	1	1	11	6	6
Congenital anomalies (740-759)	71	39	10	-	18	4	3	574	324	94	80	110	46	45
Anencephalus and similar anomalies (740)	7	5	1	-	1	-	-	37	31	6	4	-	-	-
Spina bifida (741)	-	-	-	-	-	-	-	2	2	-	-	-	-	-
Congenital hydrocephalus (742.3)	2	-	-	-	2	-	-	10	3	2	2	3	2	2
Other congenital anomalies of central nervous system and eye (742.0-742.2, 742.4-742.9, 743)	2	2	-	-	-	-	-	26	10	3	2	8	5	5
Congenital anomalies of heart (745-748)	20	7	1	-	10	2	2	177	78	21	19	59	19	19
Other congenital anomalies of circulatory system (747)	3	2	1	-	-	-	-	58	21	18	16	11	8	8
Congenital anomalies of respiratory system (748)	9	8	1	-	-	-	-	83	48	8	6	5	2	2
Congenital anomalies of digestive system (749-751)	2	1	1	-	-	-	-	3	-	1	1	2	-	-
Congenital anomalies of genitourinary system (752-753)	3	2	1	-	-	-	-	38	30	6	5	-	2	2
Congenital anomalies of musculoskeletal system (754-756)	6	5	1	-	-	-	-	48	32	10	6	2	2	2
Down's syndrome (758.0)	2	-	-	-	1	1	-	8	4	1	1	1	2	1
Other chromosomal anomalies (758.1-758.9)	7	3	1	-	3	-	-	59	42	8	8	7	2	2
All other and unspecified congenital anomalies (744, 757, 759)	8	4	2	-	1	1	1	47	23	10	10	12	2	2
Certain conditions originating in the perinatal period (760-779)	114	87	19	6	4	4	1	1,576	841	654	629	47	34	33
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	2	2	-	-	-	-	-	22	8	10	10	1	3	3
Newborn affected by maternal complications of pregnancy (761)	9	8	1	1	-	-	-	90	55	34	33	-	1	1
Newborn affected by complications of placenta, cord, and membranes (762)	8	8	-	-	-	-	-	71	43	28	26	-	-	-
Newborn affected by other complications of labor and delivery (763)	-	-	-	-	-	-	-	3	2	1	1	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	-	-	-	-	-	-	1	-	1	1	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	19	12	5	1	1	1	-	294	148	140	138	5	3	3
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	3	1	2	-	-	-	-	17	11	6	8	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	3	3	-	-	-	-	-	72	37	25	25	9	1	1
Fetal distress in liveborn infant (768.2-768.4)	-	-	-	-	-	-	-	12	8	2	2	1	1	1
Birth asphyxia (768.5-768.9)	3	3	-	-	-	-	-	60	29	23	23	8	-	-
Respiratory distress syndrome (769)	32	28	1	-	2	1	-	249	141	90	81	11	7	7
Other respiratory conditions of newborn (770)	15	13	1	-	-	1	1	221	111	65	62	15	10	9
Infections specific to the perinatal period (771)	6	3	1	1	-	1	-	72	38	28	26	5	1	1
Neonatal hemorrhage (772)	4	3	1	-	-	-	-	39	24	15	13	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	2	2	-	-	-	-	-	3	2	-	-	-	1	1
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	1	-	1	1	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9, 776.1-779)	12	4	7	3	1	-	-	420	222	180	186	1	7	7
Symptoms, signs, and ill-defined conditions (780-799)	41	4	2	-	31	4	-	455	51	33	32	189	188	184
Sudden infant death syndrome (798.0)	41	4	2	-	31	4	-	199	8	3	3	118	70	68
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799)	-	-	-	-	-	-	-	236	23	30	29	65	118	116
Accidents and adverse effects (E800-E949)	7	1	-	-	4	2	-	39	3	1	1	24	11	11
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	-	-	-	-	-	-	-	11	-	-	-	8	3	3
Accidental mechanical suffocation (E913)	2	-	-	-	2	-	-	3	-	-	-	2	1	1
Other accidental causes and adverse effects (E800-E910, E914-E949)	5	1	-	-	2	2	-	25	3	1	1	14	7	7
Homicide (E960-E969)	5	1	-	-	4	-	-	32	5	4	4	12	11	10
Child battering and other maltreatment (E967)	3	-	-	-	3	-	-	12	1	1	1	7	3	3
Other homicide (E960-E966, E968-E969)	2	1	-	-	1	-	-	20	4	3	3	5	8	7
All other causes (Residual)	8	-	1	-	5	2	-	108	36	13	12	41	18	16

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	North Carolina							North Dakota							
	All races, under 1 year	Under 28 days				28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other		White		All other	White	All other			
			Total	Black		Total	Black					Total	Black		
All causes .....	1,215	409	367	355	222	217	208	106	51	6	-	39	10	-	
Certain Intestinal Infections (008-009) .....	-	-	-	-	-	-	-	1	-	-	-	1	-	-	
Whooping cough (033) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Meningococcal infection (036) .....	5	-	1	-	3	1	1	-	-	-	-	-	-	-	
Septicemia (038) .....	9	-	-	-	4	6	5	-	-	-	-	-	-	-	
Viral diseases (045-079) .....	4	-	-	-	1	3	3	-	-	-	-	-	-	-	
Congenital syphilis (090) .....	1	-	-	-	-	1	1	-	-	-	-	-	-	-	
Remainder of Infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042,*044,080-088,091-139) .....	3	-	-	-	1	2	2	-	-	-	-	-	-	-	
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	1	-	-	-	1	-	-	1	-	-	-	1	-	-	
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cystic fibrosis (277.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Diseases of blood and blood-forming organs (280-289) .....	1	-	-	-	-	1	1	-	-	-	-	-	-	-	
Meningitis (320-322) .....	7	-	-	-	2	5	5	1	-	-	-	1	-	-	
Other diseases of nervous system and sense organs (323-389) .....	9	1	1	1	3	4	4	2	-	-	-	2	-	-	
Acute upper respiratory infections (460-465) .....	3	-	-	-	2	1	1	1	-	-	-	1	-	-	
Bronchitis and bronchiolitis (466,490-491) .....	7	-	-	-	2	5	5	-	-	-	-	-	-	-	
Pneumonia and Influenza (480-487) .....	21	6	-	-	6	9	9	2	2	-	-	-	-	-	
Pneumonia (480-486) .....	20	6	-	-	6	8	8	2	2	-	-	-	-	-	
Influenza (487) .....	1	-	-	-	-	1	1	-	-	-	-	-	-	-	
Remainder of diseases of respiratory system (470-478,492-519) .....	10	2	-	-	4	4	4	2	-	-	-	2	-	-	
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	3	-	1	1	2	-	-	-	-	-	-	-	-	-	
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	3	-	-	-	1	2	2	-	-	-	-	-	-	-	
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	8	1	1	1	3	3	3	-	-	-	-	-	-	-	
Congenital anomalies (740-759) .....	224	109	50	46	46	19	17	28	22	2	-	3	1	-	
Anencephalus and similar anomalies (740) .....	12	8	2	1	1	1	1	2	1	1	-	-	-	-	
Spina bifida (741) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Congenital hydrocephalus (742.3) .....	5	1	-	-	2	2	2	2	1	-	-	1	-	-	
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.0,743) .....	9	5	1	1	3	-	-	1	-	-	-	1	-	-	
Congenital anomalies of heart (745-746) .....	81	32	12	12	27	10	8	8	6	-	-	1	1	-	
Other congenital anomalies of circulatory system (747) .....	21	11	8	7	1	1	1	2	2	-	-	-	-	-	
Congenital anomalies of respiratory system (748) .....	25	13	10	9	-	2	2	2	2	-	-	-	-	-	
Congenital anomalies of digestive system (749-751) .....	3	-	2	1	1	-	-	-	-	-	-	-	-	-	
Congenital anomalies of genitourinary system (752-753) .....	17	14	2	2	1	-	-	4	4	-	-	-	-	-	
Congenital anomalies of musculoskeletal system (754-756) .....	14	10	3	3	1	-	-	3	3	-	-	-	-	-	
Down's syndrome (758.0) .....	6	1	-	-	4	1	1	-	-	-	-	-	-	-	
Other chromosomal anomalies (758.1-758.9) .....	19	10	5	5	2	2	2	4	3	1	-	-	-	-	
All other and unspecified congenital anomalies (744,757,759) .....	12	4	5	5	3	-	-	-	-	-	-	-	-	-	
Certain conditions originating in the perinatal period (760-779) .....	604	265	297	291	18	24	23	29	24	2	-	3	-	-	
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	4	-	4	4	-	-	-	-	-	-	-	-	-	-	
Newborn affected by maternal complications of pregnancy (761) .....	52	27	25	25	-	-	-	-	-	-	-	-	-	-	
Newborn affected by complications of placenta, cord, and membranes (762) .....	29	17	12	12	-	-	-	1	1	-	-	-	-	-	
Newborn affected by other complications of labor and delivery (763) .....	4	4	-	-	-	-	-	-	-	-	-	-	-	-	
Slow fetal growth and fetal malnutrition (764) .....	4	3	1	1	-	-	-	-	-	-	-	-	-	-	
Disorders relating to short gestation and unspecified low birthweight (765) .....	128	50	76	75	1	1	1	4	4	-	-	-	-	-	
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Birth trauma (767) .....	3	3	-	-	-	-	-	1	1	-	-	-	-	-	
Intrauterine hypoxia and birth asphyxia (768) .....	21	12	9	9	-	-	-	3	3	-	-	-	-	-	
Fetal distress in liveborn infant (768.2-768.4) .....	4	3	1	1	-	-	-	2	2	-	-	-	-	-	
Birth asphyxia (768.5-768.9) .....	17	9	8	8	-	-	-	1	1	-	-	-	-	-	
Respiratory distress syndrome (769) .....	91	53	33	32	2	3	3	9	7	1	-	1	-	-	
Other respiratory conditions of newborn (770) .....	140	39	71	68	13	17	16	5	3	-	-	2	-	-	
Infections specific to the perinatal period (771) .....	22	10	11	10	-	1	1	2	2	-	-	-	-	-	
Neonatal hemorrhage (772) .....	5	3	2	2	-	-	-	-	-	-	-	-	-	-	
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	1	-	1	1	-	-	-	-	-	-	-	-	-	-	
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	100	44	52	52	2	2	2	4	3	1	-	-	-	-	
Symptoms, signs, and ill-defined conditions (780-799) .....	198	10	5	4	86	97	92	24	-	2	-	17	5	-	
Sudden infant death syndrome (788.0) .....	183	8	2	2	83	90	85	24	-	2	-	17	5	-	
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	15	2	3	2	3	7	7	-	-	-	-	-	-	-	
Accidents and adverse effects (E800-E949) .....	41	5	2	2	17	17	16	3	1	-	-	2	-	-	
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	6	1	-	-	3	2	2	-	-	-	-	-	-	-	
Accidental mechanical suffocation (E913) .....	3	1	-	-	-	2	2	1	1	-	-	-	-	-	
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	32	3	2	2	14	13	12	2	-	-	-	2	-	-	
Homicide (E960-E969) .....	6	-	-	-	2	4	4	2	-	-	-	1	-	-	
Child battering and other maltreatment (E967) .....	1	-	-	-	1	-	-	1	-	-	-	-	1	-	
Other homicide (E960-E966,E968-E969) .....	5	-	-	-	1	4	4	1	-	-	-	-	-	-	
All other causes (Residual) .....	46	9	9	9	18	10	10	10	2	-	-	7	1	-	



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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044; see Technical Appendix]

Cause of death	Ohio							Oklahoma						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes	1,565	737	250	244	413	165	182	429	186	51	33	136	46	33
Certain intestinal infections (008-009)	2	-	-	-	1	1	1	-	-	-	-	-	-	-
Whooping cough (033)	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	3	-	-	-	3	-	-	-	-	-	-	-	-	-
Septicemia (038)	9	-	-	-	5	4	4	3	-	-	-	1	2	2
Viral diseases (045-079)	2	-	-	-	2	-	-	-	-	-	-	-	-	-
Congenital syphilis (090)	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042.*044,080-088,091-139)	2	-	-	-	1	1	1	2	-	-	-	2	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	4	-	-	-	3	1	1	3	-	-	-	3	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of thymus gland (254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	2	1	-	-	1	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	1	1	-	-	-	-	-	2	-	-	-	1	1	1
Meningitis (320-322)	7	3	1	1	3	-	-	3	2	-	-	-	1	1
Other diseases of nervous system and sense organs (323-389)	30	4	-	-	21	5	5	6	1	-	-	3	2	2
Acute upper respiratory infections (460-465)	3	-	-	-	3	-	-	1	-	-	-	1	-	-
Bronchitis and bronchiolitis (466,490-491)	4	-	-	-	4	-	-	-	-	-	-	-	-	-
Pneumonia and influenza (480-487)	29	3	3	3	22	1	1	5	1	-	-	2	2	2
Pneumonia (480-486)	28	3	3	3	21	1	1	5	1	-	-	2	2	2
Influenza (487)	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	18	2	1	1	6	9	9	1	-	-	-	1	-	-
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	3	2	-	-	-	1	1	1	-	-	-	1	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	5	-	-	-	3	2	2	3	-	1	1	1	1	-
Remainder of diseases of digestive system (520-534,536-543,562-579)	13	3	-	-	7	3	3	-	-	-	-	-	-	-
Congenital anomalies (740-759)	320	214	32	28	63	11	10	101	65	12	8	21	3	-
Anencephalus and similar anomalies (740)	13	11	2	1	-	-	-	7	6	1	1	-	-	-
Spina bifida (741)	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Congenital hydrocephalus (742.0)	11	6	2	2	3	-	-	1	1	-	-	-	-	-
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	7	4	-	-	2	1	1	3	1	-	-	2	-	-
Congenital anomalies of heart (745-746)	120	67	11	10	37	5	4	28	13	3	2	12	-	-
Other congenital anomalies of circulatory system (747)	16	12	-	-	3	1	1	9	6	1	1	2	-	-
Congenital anomalies of respiratory system (748)	48	40	5	3	2	1	1	12	9	2	1	-	1	-
Congenital anomalies of digestive system (749-751)	9	2	1	1	4	2	2	2	2	-	-	-	-	-
Congenital anomalies of genitourinary system (752-753)	20	17	2	2	1	-	-	11	8	2	2	-	1	-
Congenital anomalies of musculoskeletal system (754-756)	23	17	5	5	1	-	-	6	4	1	-	1	-	-
Down's syndrome (758.0)	2	1	-	-	1	-	-	1	1	-	-	-	-	-
Other chromosomal anomalies (758.1-758.9)	26	17	2	2	6	1	1	11	9	-	-	1	1	-
All other and unspecified congenital anomalies (744,757,759)	23	18	2	2	3	-	-	11	6	2	1	3	-	-
Certain conditions originating in the perinatal period (760-779)	708	457	197	196	33	21	21	151	106	35	23	6	4	3
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	3	2	-	-	1	-	-	1	-	-	-	-	1	-
Newborn affected by maternal complications of pregnancy (761)	63	36	27	27	-	-	-	7	7	-	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	51	36	15	15	-	-	-	12	8	4	4	-	-	-
Newborn affected by other complications of labor and delivery (763)	1	-	1	1	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764)	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	106	66	39	39	1	-	-	17	12	5	3	-	-	-
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	5	4	1	1	-	-	-	4	3	1	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	31	25	2	2	3	1	1	10	8	1	1	1	-	-
Fetal distress in liveborn infant (768.2-768.4)	5	5	-	-	-	-	-	-	-	-	-	-	-	-
Birth asphyxia (768.5-768.9)	26	20	2	2	3	1	1	10	8	1	1	1	-	-
Respiratory distress syndrome (769)	155	109	33	33	8	5	5	32	26	5	3	1	-	-
Other respiratory conditions of newborn (770)	168	96	39	38	18	14	14	27	18	4	3	3	2	2
Infections specific to the perinatal period (771)	39	28	10	10	1	-	-	11	6	5	3	-	-	-
Neonatal hemorrhage (772)	17	8	9	9	-	-	-	5	4	1	1	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	1	1	-	-	-	-	-	2	1	-	-	-	1	1
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	67	45	21	21	-	1	1	23	13	9	5	1	-	-
Symptoms, signs, and ill-defined conditions (780-799)	273	19	5	4	172	77	76	96	5	-	-	67	24	17
Sudden infant death syndrome (798.0)	204	11	3	2	135	55	55	83	1	-	-	60	22	15
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	69	8	2	2	37	22	21	13	4	-	-	7	2	2
Accidents and adverse effects (E800-E949)	31	3	-	-	23	5	4	15	1	-	-	11	3	2
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	5	1	-	-	2	2	2	1	-	-	-	1	-	-
Accidental mechanical suffocation (E913)	5	-	-	-	3	2	1	-	-	-	-	-	-	-
Other accidental causes and adverse effects (E800-E910,E914-E949)	21	2	-	-	18	1	1	14	1	-	-	10	3	2
Homicide (E960-E969)	13	2	2	2	3	6	6	9	1	1	1	5	2	2
Child battering and other maltreatment (E967)	5	1	-	-	2	2	2	6	1	1	1	3	1	1
Other homicide (E960-E966,E968-E969)	8	1	2	2	1	4	4	3	-	-	-	2	1	1
All other causes (Residual)	81	21	9	9	34	17	17	27	14	2	-	10	1	1

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	Oregon							Pennsylvania						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	Total	Black	White	Total	Black		White	Total	Black	White	Total	Black
All causes .....	343	167	16	9	147	13	7	1,643	765	347	340	351	180	173
Certain intestinal infections (008-009) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (033) .....	-	-	-	-	-	-	-	1	-	-	-	-	1	1
Meningococcal infection (036) .....	-	-	-	-	-	-	-	2	-	1	1	1	-	-
Septicemia (038) .....	-	-	-	-	-	-	-	7	-	-	-	3	4	4
Viral diseases (045-079) .....	1	1	-	-	-	-	-	3	1	-	-	2	-	-
Congenital syphilis (090) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042, *044, 080-089, 091-139) .....	-	-	-	-	-	-	-	13	-	-	-	3	10	10
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	1	-	-	-	1	-	-	2	1	-	-	1	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	-	-	-	-	-	-	-	4	4	-	-	-	-	-
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Diseases of blood and blood-forming organs (280-289) .....	-	-	-	-	-	-	-	3	1	-	-	1	1	1
Meningitis (320-322) .....	-	-	-	-	-	-	-	7	-	-	-	5	2	2
Other diseases of nervous system and sense organs (323-389) ..	5	-	-	-	5	-	-	17	-	-	-	10	7	6
Acute upper respiratory infections (460-465) .....	4	-	-	-	4	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491) .....	-	-	-	-	-	-	-	3	-	-	-	2	1	1
Pneumonia and influenza (480-487) .....	4	1	-	-	3	-	-	23	5	2	2	10	6	5
Pneumonia (480-486) .....	4	1	-	-	3	-	-	23	5	2	2	10	6	5
Influenza (487) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519) .....	2	1	-	-	1	-	-	18	1	-	-	11	6	5
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	-	-	-	-	-	-	-	5	1	-	-	1	3	3
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	1	1	-	-	-	-	-	1	-	-	-	-	1	1
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	-	-	-	-	-	-	-	3	1	-	-	2	-	-
Congenital anomalies (740-759) .....	73	43	7	4	22	1	-	330	197	49	46	66	18	16
Anencephalus and similar anomalies (740) .....	7	7	-	-	-	-	-	26	24	-	-	2	-	-
Spina bifida (741) .....	1	-	1	1	-	-	-	3	1	-	-	1	1	1
Congenital hydrocephalus (742.3) .....	-	-	-	-	-	-	-	3	1	-	-	2	-	-
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	3	2	-	-	1	-	-	14	6	3	3	5	-	-
Congenital anomalies of heart (745-746) .....	25	9	3	2	13	-	-	104	48	13	12	33	10	10
Other congenital anomalies of circulatory system (747) .....	6	5	-	-	1	-	-	28	13	7	6	8	-	-
Congenital anomalies of respiratory system (748) .....	6	4	-	-	2	-	-	50	36	11	11	3	-	-
Congenital anomalies of digestive system (749-751) .....	1	-	-	-	-	1	-	1	1	-	-	-	-	-
Congenital anomalies of genitourinary system (752-753) .....	5	5	-	-	-	-	-	18	16	2	2	-	-	-
Congenital anomalies of musculoskeletal system (754-756) .....	7	3	3	1	1	-	-	28	22	3	3	3	-	-
Down's syndrome (758.0) .....	1	1	-	-	-	-	-	5	1	-	-	3	1	-
Other chromosomal anomalies (758.1-758.9) .....	9	6	-	-	3	-	-	27	12	6	5	5	4	3
All other and unspecified congenital anomalies (744,757,759) ..	2	1	-	-	1	-	-	23	16	4	4	1	2	2
Certain conditions originating in the perinatal period (760-779) .....	120	106	9	5	5	-	-	860	525	278	274	44	13	13
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	2	1	1	1	-	-	-	5	4	1	1	-	-	-
Newborn affected by maternal complications of pregnancy (761) .....	10	10	-	-	-	-	-	60	37	23	23	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762) .....	12	12	-	-	-	-	-	35	25	10	10	-	-	-
Newborn affected by other complications of labor and delivery (763) .....	1	-	1	-	-	-	-	2	2	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764) .....	-	-	-	-	-	-	-	1	-	1	1	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765) .....	14	11	3	-	-	-	-	151	88	63	62	-	-	-
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	-	-	-	-	-	-	-	10	7	3	3	-	-	-
Intrauterine hypoxia and birth asphyxia (768) .....	7	5	1	1	1	-	-	52	36	16	16	-	-	-
Fetal distress in liveborn infant (768.2-768.4) .....	1	-	1	1	-	-	-	22	13	9	9	-	-	-
Birth asphyxia (768.5-768.9) .....	6	5	-	-	1	-	-	30	23	7	7	-	-	-
Respiratory distress syndrome (769) .....	31	30	-	-	1	-	-	142	101	28	27	10	3	3
Other respiratory conditions of newborn (770) .....	22	17	2	2	3	-	-	172	88	48	48	27	9	9
Infections specific to the perinatal period (771) .....	5	5	-	-	-	-	-	36	20	15	15	1	-	-
Neonatal hemorrhage (772) .....	-	-	-	-	-	-	-	14	9	4	4	1	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	-	-	-	-	-	-	-	1	-	1	1	-	-	-
Syndrome of "Infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	16	15	1	1	-	-	-	179	108	65	63	5	1	1
Symptoms, signs, and ill-defined conditions (780-799) .....	105	8	-	-	86	9	6	228	11	9	9	124	84	83
Sudden infant death syndrome (798.0) .....	99	4	-	-	86	9	6	208	10	7	7	110	81	80
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	6	4	-	-	2	-	-	20	1	2	2	14	3	3
Accidents and adverse effects (E800-E949) .....	7	-	-	-	6	1	1	31	2	1	1	23	5	5
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	-	-	-	-	-	-	-	5	-	-	-	5	-	-
Accidental mechanical suffocation (E913) .....	1	-	-	-	-	1	1	4	-	-	-	2	2	2
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	6	-	-	-	6	-	-	22	2	1	1	16	3	3
Homicide (E960-E989) .....	2	-	-	-	1	1	-	11	1	-	-	5	5	5
Child battering and other maltreatment (E967) .....	2	-	-	-	1	1	-	3	-	-	-	2	1	1
Other homicide (E960-E966,E968-E969) .....	-	-	-	-	-	-	-	8	1	-	-	3	4	4
All other causes (Residual) .....	18	6	-	-	11	1	-	70	14	7	7	36	13	12

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988.—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042.\*044; see Technical Appendix]

Cause of death	Rhode Island							South Carolina						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes .....	116	69	18	12	25	4	4	677	209	241	239	109	118	118
Certain intestinal infections (008-009) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (033) .....	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Meningococcal infection (036) .....	-	-	-	-	-	-	-	5	-	-	-	1	-	-
Septicemia (038) .....	1	...	...	...	1	-	-	...	...	...	...	2	3	3
Viral diseases (045-079) .....	-	-	-	-	-	-	-	4	-	-	-	4	-	-
Congenital syphilis (090) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042.*044, 080-088, 091-139) .....	2	1	-	-	1	-	-	2	-	-	-	-	2	2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	-	-	-	-	-	-	-	2	-	-	-	1	1	1
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	3	-	-	-	3	-	-
Cystic fibrosis (277.0) .....	-	-	-	-	-	-	-	2	-	-	-	1	1	1
Diseases of blood and blood-forming organs (280-289) .....	1	-	-	-	1	-	-	7	-	-	-	2	4	4
Meningitis (320-322) .....	2	-	-	-	2	-	-	1	-	-	-	1	1	1
Other diseases of nervous system and sense organs (323-369) .....	1	-	-	-	1	-	-	2	-	-	-	2	2	2
Acute upper respiratory infections (460-465) .....	1	-	-	-	2	-	-	3	-	-	-	3	3	3
Bronchitis and bronchiolitis (468, 490-491) .....	2	-	-	-	1	-	-	11	1	-	-	6	4	4
Pneumonia and influenza (480-487) .....	2	1	-	-	1	-	-	11	1	-	-	6	4	4
Pneumonia (480-486) .....	2	1	-	-	1	-	-	11	1	-	-	6	4	4
Influenza (487) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478, 492-519) .....	-	-	-	-	-	-	-	6	-	1	1	1	4	4
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-559, 560) .....	-	-	-	-	-	-	-	2	-	-	-	-	2	2
Gastritis, duodenitis, and noninfective enteritis and colitis (535, 555-558) .....	-	-	-	-	-	-	-	5	-	-	-	1	4	4
Remainder of diseases of digestive system (520-534, 536-543, 562-579) .....	1	-	1	1	-	-	-	3	-	-	-	2	1	1
Congenital anomalies (740-759) .....	25	16	6	2	3	-	-	132	51	40	38	23	18	18
Anencephalus and similar anomalies (740) .....	1	1	-	-	-	-	-	3	1	2	2	-	-	-
Spina bifida (741) .....	1	1	-	-	-	-	-	1	-	1	1	-	-	-
Congenital hydrocephalus (742.3) .....	-	-	-	-	-	-	-	1	-	1	1	-	-	-
Other congenital anomalies of central nervous system and eye (742.0-742.2, 742.4-742.9, 743) .....	1	1	-	-	-	-	-	8	2	2	2	-	4	4
Congenital anomalies of heart (745-746) .....	4	4	-	-	-	-	-	50	12	14	14	14	10	10
Other congenital anomalies of circulatory system (747) .....	-	-	-	-	-	-	-	9	4	2	1	3	-	-
Congenital anomalies of respiratory system (748) .....	-	-	-	-	-	-	-	16	12	4	4	-	-	-
Congenital anomalies of digestive system (749-751) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital anomalies of genitourinary system (752-753) .....	2	1	1	1	-	-	-	14	9	4	4	1	-	-
Congenital anomalies of musculoskeletal system (754-756) .....	3	2	-	-	1	-	-	9	5	3	3	1	-	-
Down's syndrome (758.0) .....	1	-	-	-	1	-	-	2	-	-	-	-	2	2
Other chromosomal anomalies (758.1-758.9) .....	4	2	1	-	1	-	-	13	3	6	5	2	2	2
All other and unspecified congenital anomalies (744, 757, 759) .....	8	4	4	1	-	-	-	6	3	1	1	2	-	-
Certain conditions originating in the perinatal period (760-779) .....	58	45	10	8	1	2	2	360	152	192	192	7	9	9
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	2	1	1	1	-	-	-	4	2	2	2	-	-	-
Newborn affected by maternal complications of pregnancy (761) .....	7	4	3	3	-	-	-	33	11	22	22	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762) .....	9	5	4	3	-	-	-	18	6	12	12	-	-	-
Newborn affected by other complications of labor and delivery (763) .....	1	1	-	-	-	-	-	1	-	1	1	-	-	-
Slow fetal growth and fetal malnutrition (764) .....	1	1	-	-	-	-	-	1	-	1	1	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765) .....	6	6	-	-	-	-	-	71	29	41	41	-	1	1
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	-	-	-	-	-	-	-	4	2	2	2	-	-	-
Intrauterine hypoxia and birth asphyxia (768) .....	2	2	-	-	-	-	-	10	4	6	6	-	-	-
Fetal distress in liveborn infant (768.2-768.4) .....	2	2	-	-	-	-	-	5	2	3	3	-	-	-
Birth asphyxia (768.5-768.9) .....	-	-	-	-	-	-	-	5	2	3	3	-	-	-
Respiratory distress syndrome (769) .....	7	6	1	1	-	-	-	52	30	18	18	1	3	3
Other respiratory conditions of newborn (770) .....	11	7	1	1	1	2	2	63	22	33	33	5	3	3
Infections specific to the perinatal period (771) .....	6	6	-	-	-	-	-	19	9	8	8	1	1	1
Neonatal hemorrhage (772) .....	2	2	-	-	-	-	-	6	2	3	3	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	-	-	-	-	-	-	-	1	-	1	1	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9, 776.1-779) .....	5	5	-	-	-	-	-	78	35	43	43	-	-	-
Symptoms, signs, and ill-defined conditions (780-799) .....	16	5	1	1	9	1	1	69	1	-	-	29	39	39
Sudden infant death syndrome (798.0) .....	6	1	-	-	5	-	-	67	1	-	-	29	37	37
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799) .....	10	4	1	1	4	1	1	2	-	-	-	-	2	2
Accidents and adverse effects (E800-E949) .....	-	-	-	-	-	-	-	18	-	-	-	5	13	13
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	-	-	-	-	-	-	-	4	-	-	-	2	2	2
Accidental mechanical suffocation (E913) .....	-	-	-	-	-	-	-	3	-	-	-	1	2	2
Other accidental causes and adverse effects (E800-E910, E914-E949) .....	1	-	-	-	-	-	-	11	-	-	-	2	9	9
Homicide (E960-E969) .....	2	-	-	-	2	-	-	6	1	2	2	2	1	1
Child battering and other maltreatment (E967) .....	-	-	-	-	-	-	-	2	-	-	-	1	1	1
Other homicide (E960-E966, E968-E969) .....	2	-	-	-	2	-	-	4	-	-	-	1	-	-
All other causes (Residual) .....	3	1	-	-	1	1	1	33	3	4	4	16	10	10

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	South Dakota							Tennessee						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other	Black	White	All other	Black		White	All other	Black	White	All other	Black
All causes .....	113	55	6	-	34	18	-	761	257	200	196	180	124	120
Certain intestinal infections (008-009) .....	-	-	-	-	-	-	-	1	-	-	-	-	1	1
Whooping cough (033) .....	-	-	-	-	-	-	-	3	-	-	-	-	1	1
Meningococcal infection (036) .....	-	-	-	-	-	-	-	6	-	-	-	2	1	1
Septicemia (038) .....	2	-	-	-	1	1	-	6	-	-	-	2	4	4
Viral diseases (045-079) .....	-	-	-	-	-	-	-	3	1	2	2	-	-	-
Congenital syphilis (090) .....	-	-	-	-	-	-	-	1	-	1	1	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-*044, 080-088, 091-139) .....	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	-	-	-	-	-	-	-	3	1	1	1	-	1	1
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	-	-	-	-	-	-	-	1	-	-	-	-	1	-
Diseases of blood and blood-forming organs (280-289) .....	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Meningitis (320-322) .....	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Other diseases of nervous system and sense organs (323-389) ..	1	-	-	-	1	-	-	9	1	-	-	5	3	3
Acute upper respiratory infections (460-465) .....	-	-	-	-	-	-	-	1	-	-	-	-	1	1
Bronchitis and bronchiolitis (466,490-491) .....	-	-	-	-	-	-	-	4	-	1	1	1	2	2
Pneumonia and influenza (480-487) .....	5	1	-	-	-	4	-	6	-	1	1	5	-	-
Pneumonia (480-486) .....	5	1	-	-	-	4	-	6	-	1	1	5	-	-
Influenza (487) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-476,492-519) .....	-	-	-	-	-	-	-	4	-	1	1	2	1	1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	-	-	-	-	-	-	-	4	2	-	-	-	2	2
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	1	-	1	-	-	-	-	1	-	-	-	-	1	1
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	-	-	-	-	-	-	-	5	-	-	-	4	1	1
Congenital anomalies (740-759) .....	23	20	-	-	2	1	-	137	72	22	20	25	18	17
Anencephalus and similar anomalies (740) .....	3	3	-	-	-	-	-	10	9	-	-	1	-	-
Spina bifida (741) .....	1	1	-	-	-	-	-	4	2	-	-	1	1	1
Congenital hydrocephalus (742.3) .....	-	-	-	-	-	-	-	4	2	-	-	-	2	2
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	1	-	-	-	1	-	-	8	1	2	2	4	1	1
Congenital anomalies of heart (745-746) .....	7	7	-	-	-	-	-	36	13	5	5	12	6	6
Other congenital anomalies of circulatory system (747) .....	1	1	-	-	-	-	-	9	4	2	2	2	1	1
Congenital anomalies of respiratory system (748) .....	6	5	-	-	1	-	-	21	15	4	4	-	2	2
Congenital anomalies of digestive system (749-751) .....	-	-	-	-	-	-	-	2	1	-	-	-	1	1
Congenital anomalies of genitourinary system (752-753) .....	-	-	-	-	-	-	-	6	5	3	2	-	-	-
Congenital anomalies of musculoskeletal system (754-766) .....	1	1	-	-	-	-	-	13	8	3	2	2	-	-
Down's syndrome (758.0) .....	-	-	-	-	-	-	-	3	2	-	-	-	1	1
Other chromosomal anomalies (758.1-758.9) .....	2	1	-	-	-	1	-	9	4	1	1	3	1	1
All other and unspecified congenital anomalies (744,757,759) ..	1	1	-	-	-	-	-	10	6	2	2	-	2	2
Certain conditions originating in the perinatal period (760-779) .....	41	32	5	-	4	-	-	354	170	161	159	13	10	9
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Newborn affected by maternal complications of pregnancy (761) .....	5	4	1	-	-	-	-	11	11	-	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762) .....	2	2	-	-	-	-	-	11	9	2	2	-	-	-
Newborn affected by other complications of labor and delivery (763) .....	-	-	-	-	-	-	-	1	-	1	1	-	-	-
Slow fetal growth and fetal malnutrition (764) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765) .....	7	6	1	-	-	-	-	44	19	25	25	-	-	-
Disorders relating to long gestation and high birthweight (768) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	1	1	-	-	-	-	-	5	2	2	2	1	-	-
Intrauterine hypoxia and birth asphyxia (768) .....	1	-	1	-	-	-	-	19	9	9	9	1	-	-
Fetal distress in liveborn infant (768.2-768.4) .....	1	-	-	-	-	-	-	3	2	1	1	-	-	-
Birth asphyxia (768.5-768.9) .....	1	-	1	-	-	-	-	16	7	8	8	1	-	-
Respiratory distress syndrome (769) .....	11	7	1	-	3	-	-	50	31	15	14	3	1	1
Other respiratory conditions of newborn (770) .....	7	6	-	-	1	-	-	94	41	40	40	5	8	7
Infections specific to the perinatal period (771) .....	3	2	1	-	-	-	-	20	10	8	8	1	1	1
Neonatal hemorrhage (772) .....	3	3	-	-	-	-	-	12	4	8	8	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundices (773-774) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	1	1	-	-	-	-	-	86	33	51	50	2	-	-
Symptoms, signs, and ill-defined conditions (780-799) .....	26	-	-	-	18	8	-	137	5	5	5	78	49	48
Sudden infant death syndrome (788.0) .....	3	-	-	-	17	6	-	132	5	5	5	75	47	46
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	23	-	-	-	1	2	-	5	-	-	-	3	2	2
Accidents and adverse effects (E800-E949) .....	2	-	-	-	2	-	-	30	-	-	-	15	15	15
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	-	-	-	-	-	-	-	8	-	-	-	6	2	2
Accidental mechanical suffocation (E913) .....	-	-	-	-	-	-	-	6	-	-	-	1	5	5
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	2	-	-	-	2	-	-	16	-	-	-	8	8	8
Homicide (E960-E969) .....	-	-	-	-	-	-	-	4	-	-	-	1	3	3
Child battering and other maltreatment (E967) .....	-	-	-	-	-	-	-	2	-	-	-	-	2	2
Other homicide (E960-E966,E968-E969) .....	-	-	-	-	-	-	-	2	-	-	-	1	1	1
All other causes (Residual) .....	12	2	-	-	6	4	-	44	4	5	5	25	10	10

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988-Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	Texas							Utah									
	All races, under 1 year	Under 28 days				28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months				
		White	All other		White	Total	Black	White		Total	Black	White	All other		White	All other	
			Total	Black									Total	Black			
All causes	2,724	1,296	392	382	789	247	240	287	131	4	-	136	16	2			
Certain intestinal infections (008-009)	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Whooping cough (033)	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Meningococcal infection (036)	2	-	-	-	2	-	-	-	-	-	-	-	-	-			
Septicemia (038)	24	...	...	...	18	6	6	1	...	...	...	1	-	-			
Viral diseases (045-079)	12	1	-	-	10	1	1	3	-	-	-	3	-	-			
Congenital syphilis (090)	2	1	1	1	-	-	-	-	-	-	-	-	-	-			
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139)	15	1	-	-	13	1	1	1	-	-	-	1	-	-			
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	7	-	1	1	4	2	1	-	-	-	-	-	-	-			
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	1	1	-	-	-	-	-	1	-	-	-	1	-	-			
Diseases of thymus gland (254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Cystic fibrosis (277.0)	1	-	1	1	-	-	-	-	-	-	-	-	-	-			
Diseases of blood and blood-forming organs (280-289)	5	1	-	-	3	1	1	-	-	-	-	-	-	-			
Meningitis (320-322)	17	2	1	1	10	4	4	2	1	-	-	1	-	-			
Other diseases of nervous system and sense organs (323-389)	31	1	1	1	21	8	8	5	1	-	-	2	2	1			
Acute upper respiratory infections (460-465)	2	-	-	-	1	1	1	-	-	-	-	-	-	-			
Bronchitis and bronchiolitis (466,490-491)	13	-	1	1	11	1	1	1	-	-	-	-	-	-			
Pneumonia and influenza (480-487)	55	3	3	2	34	15	15	5	2	-	-	3	-	-			
Pneumonia (480-486)	53	3	3	2	33	14	14	5	2	-	-	3	-	-			
Influenza (487)	2	-	-	-	1	1	1	-	-	-	-	-	-	-			
Remainder of diseases of respiratory system (470-478,492-519)	48	6	4	4	25	13	13	3	-	-	-	3	-	-			
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	8	3	-	-	3	2	2	-	-	-	-	-	-	-			
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	21	1	2	2	14	4	4	2	-	-	-	1	1	-			
Remainder of diseases of digestive system (520-534,536-543,562-579)	15	1	-	-	14	-	-	2	-	-	-	2	-	-			
Congenital anomalies (740-759)	673	431	58	54	152	32	30	88	61	2	-	32	3	-			
Anencephalus and similar anomalies (740)	58	54	4	3	-	-	-	1	1	-	-	-	-	-			
Spina bifida (741)	10	8	-	-	2	-	-	1	1	-	-	-	-	-			
Congenital hydrocephalus (742.3)	14	6	-	-	7	1	1	-	-	-	-	1	-	-			
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	22	7	3	3	10	2	2	9	5	-	-	3	1	-			
Congenital anomalies of heart (745-746)	197	98	18	17	63	18	16	35	13	1	-	19	2	-			
Other congenital anomalies of circulatory system (747)	51	27	5	4	19	-	-	4	2	1	-	-	-	-			
Congenital anomalies of respiratory system (748)	96	76	16	15	2	2	2	10	10	-	-	-	-	-			
Congenital anomalies of digestive system (749-751)	5	3	-	-	2	-	-	-	-	-	-	-	-	-			
Congenital anomalies of genitourinary system (752-753)	30	26	-	-	2	2	2	8	6	-	-	2	-	-			
Congenital anomalies of musculoskeletal system (754-756)	59	46	7	7	6	-	-	5	5	-	-	-	-	-			
Down's syndrome (758.0)	14	3	-	-	7	4	4	2	-	-	-	2	-	-			
Other chromosomal anomalies (758.1-758.9)	69	45	2	2	20	2	2	6	3	-	-	3	-	-			
All other and unspecified congenital anomalies (744,757,759)	48	32	3	3	12	1	1	6	5	-	-	1	-	-			
Certain conditions originating in the perinatal period (760-779)	1,140	775	290	285	61	14	14	71	65	2	-	3	1	-			
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	18	11	7	7	-	-	-	-	-	-	-	-	-	-			
Newborn affected by maternal complications of pregnancy (761)	67	46	19	18	2	-	-	7	7	-	-	-	-	-			
Newborn affected by complications of placenta, cord, and membranes (762)	57	34	21	21	2	-	-	6	6	-	-	-	-	-			
Newborn affected by other complications of labor and delivery (763)	5	4	1	1	-	-	-	-	-	-	-	-	-	-			
Slow fetal growth and fetal malnutrition (764)	2	1	1	1	-	-	-	1	-	-	-	1	-	-			
Disorders relating to short gestation and unspecified low birthweight (765)	184	117	62	60	5	-	-	9	9	-	-	-	-	-			
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Birth trauma (767)	11	7	4	4	-	-	-	-	-	-	-	-	-	-			
Intrauterine hypoxia and birth asphyxia (768)	37	26	7	7	4	-	-	1	1	-	-	-	-	-			
Fetal distress in liveborn infant (768.2-768.4)	13	8	3	3	2	-	-	-	-	-	-	-	-	-			
Birth asphyxia (768.5-768.9)	24	18	4	4	2	-	-	1	1	-	-	-	-	-			
Respiratory distress syndrome (769)	205	169	28	28	5	3	3	11	11	-	-	-	-	-			
Other respiratory conditions of newborn (770)	276	174	53	53	39	10	10	18	15	-	-	2	1	-			
Infections specific to the perinatal period (771)	63	45	14	14	3	1	1	8	8	-	-	-	-	-			
Neonatal hemorrhage (772)	14	12	2	2	-	-	-	3	3	-	-	-	-	-			
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	2	1	1	1	-	-	-	1	1	-	-	-	-	-			
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	1	1	-	-	-	-	-	-	-	-	-	-	-	-			
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	198	127	70	68	1	-	-	6	4	2	-	-	-	-			
Symptoms, signs, and ill-defined conditions (780-789)	380	27	9	9	256	88	85	82	5	-	-	70	7	1			
Sudden infant death syndrome (788.0)	315	16	7	7	216	76	73	79	5	-	-	69	5	1			
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	65	11	2	2	40	12	12	3	-	-	-	1	2	-			
Accidents and adverse effects (E800-E949)	73	6	4	4	46	17	17	5	1	-	-	3	1	-			
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	13	1	-	-	9	3	3	-	-	-	-	-	-	-			
Accidental mechanical suffocation (E913)	8	1	1	1	5	1	1	1	-	-	-	-	1	-			
Other accidental causes and adverse effects (E800-E910,E914-E949)	52	4	3	3	32	13	13	4	1	-	-	3	-	-			
Homicide (E960-E969)	22	6	2	2	13	1	1	3	-	-	-	3	-	-			
Child battering and other maltreatment (E967)	4	-	-	-	4	-	-	-	-	-	-	-	-	-			
Other homicide (E960-E966,E968-E969)	18	6	2	2	9	1	1	3	-	-	-	3	-	-			
All other causes (Residual)	157	29	14	14	78	36	35	19	5	-	-	7	1	-			

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	Vermont						Virginia					
	All races, under 1 year	Under 28 days		28 days-11 months		All races, under 1 year	Under 28 days		28 days-11 months			
		White	All other	White	All other		White	All other	White	All other		
		Total	Black	Total	Black		Total	Black	Total	Black		
All causes .....	55	34	-	20	1	967	342	294	283	206	125	123
Certain Intestinal Infections (008-009) .....	-	-	-	-	-	2	-	1	1	-	1	1
Whooping cough (033) .....	-	-	-	-	-	4	-	-	-	3	1	1
Meningococcal infection (036) .....	-	-	-	-	-	13	-	-	-	3	10	10
Septicemia (038) .....	-	-	-	-	-	2	-	1	1	-	1	1
Viral diseases (045-078) .....	-	-	-	-	-	1	-	-	-	-	1	1
Congenital syphilis (090) .....	-	-	-	-	-	5	-	-	-	4	1	1
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139) .....	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	-	-	-	-	-	-	-	-	-	-	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of thymus gland (254) .....	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0) .....	-	-	-	-	-	2	-	-	-	2	-	-
Diseases of blood and blood-forming organs (280-289) .....	-	-	-	-	-	7	-	-	-	3	4	4
Meningitis (320-322) .....	-	-	-	-	-	20	1	1	-	11	7	7
Other diseases of nervous system and sense organs (323-389) .....	-	-	-	-	-	-	-	-	-	-	-	-
Acute upper respiratory infections (460-465) .....	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis and bronchiolitis (466,490-491) .....	-	-	-	-	-	10	1	1	1	4	4	4
Pneumonia and influenza (480-487) .....	2	-	-	2	-	10	1	1	1	4	4	4
Pneumonia (480-486) .....	2	-	-	2	-	10	1	1	1	4	4	4
Influenza (487) .....	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519) .....	-	-	-	-	-	13	1	-	-	8	4	4
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	-	-	-	-	-	6	2	1	1	2	1	1
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	-	-	-	-	-	4	1	-	-	1	2	2
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	-	-	-	-	-	8	1	1	1	2	4	4
Congenital anomalies (740-759) .....	13	11	-	2	-	186	92	39	37	46	9	9
Anencephalus and similar anomalies (740) .....	-	-	-	-	-	9	7	2	2	-	-	-
Spina bifida (741) .....	-	-	-	-	-	2	1	-	-	-	1	1
Congenital hydrocephalus (742.3) .....	1	1	-	-	-	5	1	-	-	3	1	1
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	3	3	-	-	-	9	3	2	2	3	1	1
Congenital anomalies of heart (745-746) .....	1	1	-	-	-	56	17	8	7	27	4	4
Other congenital anomalies of circulatory system (747) .....	1	1	-	-	-	18	7	7	6	3	1	1
Congenital anomalies of respiratory system (748) .....	1	1	-	-	-	31	22	9	9	-	-	-
Congenital anomalies of digestive system (749-751) .....	1	-	-	-	-	3	3	-	-	-	-	-
Congenital anomalies of genitourinary system (752-753) .....	1	-	-	1	-	4	1	2	2	1	-	-
Congenital anomalies of musculoskeletal system (754-756) .....	1	1	-	-	-	13	10	3	3	-	-	-
Down's syndrome (758.0) .....	1	-	-	1	-	1	1	-	-	-	-	-
Other chromosomal anomalies (758.1-758.9) .....	1	-	-	-	-	13	6	3	3	4	-	-
All other and unspecified congenital anomalies (744,757,759) .....	3	3	-	-	-	22	13	3	3	5	1	1
Certain conditions originating in the perinatal period (760-779) .....	23	23	-	-	-	490	229	229	221	13	9	9
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	-	-	-	-	-	2	2	-	-	-	-	-
Newborn affected by maternal complications of pregnancy (761) .....	1	1	-	-	-	40	20	20	20	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762) .....	2	2	-	-	-	15	9	6	5	-	-	-
Newborn affected by other complications of labor and delivery (763) .....	1	1	-	-	-	3	1	2	2	-	-	-
Slow fetal growth and fetal malnutrition (764) .....	1	1	-	-	-	3	1	2	2	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765) .....	1	1	-	-	-	115	49	62	62	1	3	3
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767) .....	1	1	-	-	-	2	2	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768) .....	1	1	-	-	-	14	11	2	2	1	-	-
Fetal distress in liveborn infant (768.2-768.4) .....	-	-	-	-	-	1	1	-	-	-	-	-
Birth asphyxia (768.5-768.9) .....	1	1	-	-	-	13	10	2	2	1	-	-
Respiratory distress syndrome (769) .....	7	7	-	-	-	53	32	19	18	2	-	-
Other respiratory conditions of newborn (770) .....	7	7	-	-	-	83	35	35	33	8	5	5
Infections specific to the perinatal period (771) .....	1	1	-	-	-	38	19	18	17	1	1	1
Neonatal hemorrhage (772) .....	-	-	-	-	-	6	3	2	1	1	-	-
Homolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	-	-	-	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0) .....	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	-	-	-	-	-	106	45	61	59	-	-	-
Symptoms, signs, and ill-defined conditions (780-799) .....	10	-	-	9	1	128	4	11	11	75	38	36
Sudden infant death syndrome (788.0) .....	10	-	-	9	1	115	3	7	7	70	35	33
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	-	-	-	-	-	13	1	4	4	5	3	3
Accidents and adverse effects (E800-E949) .....	3	-	-	3	-	24	1	1	1	13	9	9
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	2	-	-	2	-	2	-	-	-	1	1	1
Accidental mechanical suffocation (E913) .....	-	-	-	-	-	7	-	-	-	3	4	4
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	1	-	-	1	-	15	1	1	1	9	4	4
Homicide (E960-E969) .....	-	-	-	-	-	9	1	2	2	2	4	4
Child battering and other maltreatment (E967) .....	-	-	-	-	-	4	-	-	-	2	2	2
Other homicide (E960-E966,E968-E969) .....	-	-	-	-	-	5	1	2	2	-	2	2
All other causes (Residual) .....	4	-	-	4	-	43	8	6	6	14	15	15

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-044; see Technical Appendix]

Cause of death	Washington							West Virginia						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes	654	279	54	27	266	55	31	197	117	11	11	60	9	9
Certain intestinal infections (006-009)	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (033)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infection (036)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Septicemia (038)	3	-	-	-	3	-	-	2	-	-	-	2	-	-
Viral diseases (045-079)	1	-	-	-	1	-	-	1	-	-	-	1	-	-
Congenital syphilis (090)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-044, 080-086, 091-139)	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-206)	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	2	-	-	-	2	-	-	-	-	-	-	-	-	-
Diseases of thymus gland (254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	3	-	1	-	2	-	-	2	2	-	-	1	-	-
Meningitis (320-322)	1	1	-	-	-	-	-	1	-	-	-	1	-	-
Other diseases of nervous system and sense organs (323-389)	13	1	-	-	9	3	1	3	-	-	-	2	1	1
Acute upper respiratory infections (460-465)	-	-	-	-	-	-	-	1	-	-	-	1	-	-
Bronchitis and bronchiolitis (466, 490-491)	2	-	-	-	1	1	-	2	-	-	-	2	-	-
Pneumonia and influenza (480-487)	6	1	-	-	4	1	1	3	-	-	-	2	1	1
Pneumonia (480-486)	6	1	-	-	4	1	1	3	-	-	-	2	1	1
Influenza (487)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478, 492-519)	12	1	-	-	9	2	2	2	-	-	-	2	-	-
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553, 560)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535, 555-558)	1	-	-	-	1	-	-	2	-	-	-	2	-	-
Remainder of diseases of digestive system (520-534, 536-543, 562-579)	2	1	-	-	1	-	-	1	-	-	-	1	-	-
Congenital anomalies (740-759)	139	86	9	5	38	6	2	46	33	1	1	12	-	-
Anencephalus and similar anomalies (740)	5	5	-	-	-	-	-	4	4	-	-	-	-	-
Spina bifida (741)	2	-	-	-	2	-	-	-	-	-	-	-	-	-
Congenital hydrocephalus (742.3)	4	4	-	-	-	-	-	-	-	-	-	-	-	-
Other congenital anomalies of central nervous system and eye (742.0-742.2, 742.4-742.9, 743)	4	3	-	-	1	-	-	1	1	-	-	-	-	-
Congenital anomalies of heart (745-746)	38	19	2	1	15	2	-	19	11	-	-	8	-	-
Other congenital anomalies of circulatory system (747)	8	5	-	-	3	-	-	2	-	-	-	2	-	-
Congenital anomalies of respiratory system (748)	27	14	1	1	10	2	1	2	2	-	-	-	-	-
Congenital anomalies of digestive system (749-751)	4	4	-	-	-	-	-	1	-	-	-	1	-	-
Congenital anomalies of genitourinary system (752-753)	7	7	-	-	-	-	-	3	3	-	-	-	-	-
Congenital anomalies of musculoskeletal system (754-756)	15	9	2	1	3	1	1	4	4	-	-	-	-	-
Down's syndrome (758.0)	3	1	-	-	2	-	-	2	-	-	-	-	-	-
Other chromosomal anomalies (758.1-758.9)	11	7	2	-	1	1	-	8	7	-	-	1	-	-
All other and unspecified congenital anomalies (744, 757, 759)	11	8	2	2	1	-	-	2	1	1	1	-	-	-
Certain conditions originating in the perinatal period (760-779)	219	167	40	21	10	2	1	86	72	10	10	3	1	1
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	3	2	1	1	-	-	-	-	-	-	-	-	-	-
Newborn affected by maternal complications of pregnancy (761)	20	16	4	4	-	-	-	9	9	-	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	18	11	7	4	-	-	-	4	2	2	2	-	-	-
Newborn affected by other complications of labor and delivery (763)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	37	31	5	5	1	-	-	16	14	1	1	1	-	-
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	2	2	-	-	-	-	-	1	1	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	18	12	4	3	1	-	-	5	5	-	-	-	-	-
Fetal distress in liveborn infant (768.2-768.4)	4	2	1	1	1	-	-	1	1	-	-	-	-	-
Birth asphyxia (768.5-768.9)	14	10	3	2	1	-	-	4	4	-	-	-	-	-
Respiratory distress syndrome (769)	57	42	9	2	5	1	1	28	24	4	4	-	-	-
Other respiratory conditions of newborn (770)	26	20	5	1	1	-	-	10	5	2	2	2	1	1
Infections specific to the perinatal period (771)	9	7	1	1	1	-	-	2	2	-	-	-	-	-
Neonatal hemorrhage (772)	2	2	-	-	-	-	-	2	2	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9, 776.1-779)	26	21	4	-	1	-	-	9	8	1	1	-	-	-
Symptoms, signs, and ill-defined conditions (780-799)	180	10	2	-	137	31	19	27	3	-	-	21	3	3
Sudden Infant Death Syndrome (798.0)	178	9	2	-	136	31	19	25	3	-	-	20	2	2
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799)	2	1	-	-	1	-	-	2	-	-	-	1	1	1
Accidents and adverse effects (E800-E949)	23	3	-	-	20	-	-	6	2	-	-	4	-	-
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental mechanical suffocation (E913)	4	1	-	-	3	-	-	2	-	-	-	2	-	-
Other accidental causes and adverse effects (E800-E910, E914-E949)	19	2	-	-	17	-	-	4	2	-	-	2	-	-
Homicide (E960-E969)	9	-	-	-	6	3	3	1	-	-	-	1	-	-
Child battering and other maltreatment (E967)	2	-	-	-	2	-	-	1	-	-	-	1	-	-
Other homicide (E960-E966, E968-E969)	7	-	-	-	4	3	3	-	-	-	-	-	-	-
All other causes (Residual)	35	7	2	1	20	6	2	11	5	-	-	3	3	3

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Table 2-17. Deaths Under 1 Year, Under 28 Days, and 28 Days-11 Months, From 61 Selected Causes, by Race: United States and Each State, 1988—Con.

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix]

Cause of death	Wisconsin							Wyoming						
	All races, under 1 year	Under 28 days			28 days-11 months			All races, under 1 year	Under 28 days			28 days-11 months		
		White	All other		White	All other			White	All other		White	All other	
			Total	Black		Total	Black			Total	Black		Total	Black
All causes	595	290	67	58	170	68	51	64	28	3	1	31	2	1
Certain intestinal infections (008-009)	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Whooping cough (033)	2	-	-	-	1	1	-	-	-	-	-	-	-	-
Meningococcal infection (036)	2	-	-	-	1	1	1	-	-	-	-	-	-	-
Septicemia (038)	2	1	-	-	1	1	1	-	-	-	-	-	-	-
Viral diseases (045-078)	2	-	-	-	1	1	-	-	-	-	-	-	-	-
Congenital syphilis (080)	2	-	-	-	1	1	-	-	-	-	-	-	-	-
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139)	3	-	1	1	1	1	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	3	-	-	-	2	1	1	-	-	-	-	-	-	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of thymus gland (254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cystic fibrosis (277.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of blood and blood-forming organs (280-289)	4	1	-	-	3	-	-	-	-	-	-	-	-	-
Meningitis (320-322)	1	-	-	-	1	-	-	1	-	-	-	-	1	-
Other diseases of nervous system and sense organs (323-389)	6	2	-	-	4	2	2	2	-	-	-	-	2	-
Acute upper respiratory infections (460-465)	2	-	-	-	1	1	-	1	-	-	-	-	1	-
Bronchitis and bronchiolitis (466,490-491)	2	-	-	-	1	1	-	1	-	-	-	-	1	-
Pneumonia and influenza (480-487)	13	-	-	-	9	4	4	1	1	-	-	-	-	-
Pneumonia (480-486)	13	-	-	-	9	4	4	1	1	-	-	-	-	-
Influenza (487)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remainder of diseases of respiratory system (470-478,492-519)	3	-	-	-	2	1	-	2	-	-	-	2	-	-
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	2	-	-	-	2	-	-	-	-	-	-	-	-	-
Remainder of diseases of digestive system (520-534,536-543,562-579)	3	1	-	-	2	-	-	-	-	-	-	-	-	-
Congenital anomalies (740-759)	134	93	12	9	23	6	3	12	8	3	1	1	-	-
Anencephalus and similar anomalies (740)	6	7	-	-	1	1	-	1	1	-	-	-	-	-
Spina bifida (741)	2	1	-	-	1	-	-	-	-	-	-	-	-	-
Congenital hydrocephalus (742.3)	3	1	-	-	1	1	1	1	1	-	-	-	-	-
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Congenital anomalies of heart (745-746)	42	24	4	3	12	2	1	3	2	1	-	-	-	-
Other congenital anomalies of circulatory system (747)	9	6	2	2	1	-	-	1	1	-	-	-	-	-
Congenital anomalies of respiratory system (748)	16	15	-	-	1	-	-	4	2	1	1	1	-	-
Congenital anomalies of digestive system (749-751)	3	2	-	-	1	-	-	-	-	-	-	-	-	-
Congenital anomalies of genitourinary system (752-753)	10	8	-	-	1	1	1	-	-	-	-	-	-	-
Congenital anomalies of musculoskeletal system (754-756)	14	12	2	1	-	-	-	1	1	-	-	-	-	-
Down's syndrome (758.0)	2	-	-	-	2	-	-	-	-	-	-	-	-	-
Other chromosomal anomalies (758.1-758.9)	14	9	2	2	2	1	-	1	-	-	-	-	-	-
All other and unspecified congenital anomalies (744,767,759)	9	6	2	1	1	-	-	1	1	-	-	-	-	-
Certain conditions originating in the perinatal period (760-779)	232	177	48	42	4	3	3	15	15	-	-	-	-	-
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	2	1	-	-	-	1	1	-	-	-	-	-	-	-
Newborn affected by maternal complications of pregnancy (761)	35	25	10	10	-	-	-	2	2	-	-	-	-	-
Newborn affected by complications of placenta, cord, and membranes (762)	21	16	6	5	-	-	-	2	2	-	-	-	-	-
Newborn affected by other complications of labor and delivery (763)	2	1	1	1	-	-	-	-	-	-	-	-	-	-
Slow fetal growth and fetal malnutrition (764)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disorders relating to short gestation and unspecified low birthweight (765)	31	21	9	9	-	1	1	-	-	-	-	-	-	-
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	3	3	-	-	-	-	-	1	1	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (768)	9	7	2	1	-	-	-	-	-	-	-	-	-	-
Fetal distress in liveborn infant (768.2-768.4)	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Birth asphyxia (768.5-768.9)	7	5	2	1	-	-	-	-	-	-	-	-	-	-
Respiratory distress syndrome (769)	40	34	4	2	1	1	1	6	6	-	-	-	-	-
Other respiratory conditions of newborn (770)	45	36	7	5	2	-	-	-	-	-	-	-	-	-
Infections specific to the perinatal period (771)	18	14	3	3	1	-	-	1	1	-	-	-	-	-
Neonatal hemorrhage (772)	2	1	1	1	-	-	-	-	-	-	-	-	-	-
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn (776.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	24	18	6	5	-	-	-	3	3	-	-	-	-	-
Symptoms, signs, and ill-defined conditions (780-799)	134	5	4	4	88	37	28	22	-	-	-	19	1	1
Sudden infant death syndrome (798.0)	129	4	3	3	87	35	27	20	1	-	-	18	1	1
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)	5	1	1	1	1	2	1	2	1	-	-	1	-	-
Accidents and adverse effects (E800-E949)	18	1	-	-	14	3	3	4	-	-	-	4	-	-
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	1	-	-	-	1	-	-	1	-	-	-	1	-	-
Accidental mechanical suffocation (E913)	5	1	-	-	4	-	-	2	-	-	-	2	-	-
Other accidental causes and adverse effects (E800-E910,E914-E949)	12	-	-	-	9	3	3	1	-	-	-	1	-	-
Homicide (E960-E969)	7	-	-	-	2	5	5	-	-	-	-	-	-	-
Child battering and other maltreatment (E967)	2	-	-	-	1	1	1	-	-	-	-	-	-	-
Other homicide (E960-E966,E968-E969)	5	-	-	-	1	4	4	-	-	-	-	-	-	-
All other causes (Residual)	19	8	2	2	8	1	1	4	2	-	-	2	-	-



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Table 2-18. Infant Deaths by Specified Hispanic Origin and Race for Non-Hispanic Origin: 29 Reporting States and the District of Columbia, 1988

[For discussion of completeness of reporting and comparability of data among the States see Technical Appendix]

State	All origins	Hispanic						Non-Hispanic			Not stated <sup>2</sup>
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total <sup>1</sup>	White	Black	
Alabama .....	736	5	2	-	-	1	2	720	357	354	11
Arizona .....	637	187	169	-	-	1	17	447	331	54	3
Arkansas .....	374	1	-	-	-	-	1	333	202	131	40
California .....	4,573	1,343	915	11	8	101	308	3,119	1,997	806	111
Colorado .....	510	70	12	-	-	-	7	434	390	38	6
District of Columbia .....	245	9	-	-	-	-	1	209	19	190	27
Georgia .....	1,331	5	3	1	-	-	-	1,275	575	694	51
Hawaii .....	137	23	2	8	-	-	13	112	30	7	2
Illinois .....	2,089	107	55	18	-	6	28	1,827	977	830	149
Indiana .....	899	8	4	-	-	-	4	874	686	185	17
Kansas .....	309	7	5	-	-	-	1	245	189	47	57
Kentucky .....	544	2	-	-	-	-	2	501	415	84	41
Maine .....	136	-	-	-	-	-	-	105	104	-	31
Mississippi .....	516	-	-	-	-	-	-	492	175	310	24
Montana .....	102	4	4	-	-	-	-	86	72	1	12
Nebraska .....	215	9	6	-	-	-	-	200	163	31	6
Nevada .....	152	6	4	-	-	-	3	107	69	34	39
New Jersey .....	1,168	115	4	58	9	22	22	849	447	385	204
New Mexico <sup>3</sup> .....	270	111	12	-	-	-	99	159	103	10	-
New York .....	3,017	369	6	161	3	33	166	2,176	1,189	942	472
North Carolina .....	1,215	12	6	5	-	-	1	1,136	577	539	67
North Dakota .....	106	1	-	-	-	-	-	92	77	-	13
Ohio .....	1,565	21	7	6	2	-	6	1,361	1,007	347	183
Oregon .....	343	17	14	1	-	-	2	324	295	16	2
Rhode Island .....	116	12	-	3	-	-	9	89	89	14	15
Tennessee .....	751	1	-	-	-	-	1	578	388	203	182
Texas .....	2,724	897	630	7	1	15	44	1,769	1,142	611	58
Utah .....	287	17	6	-	-	-	8	268	248	2	2
Washington .....	654	33	23	3	-	-	7	602	502	54	19
Wyoming .....	64	1	1	-	-	-	-	63	58	2	-

<sup>1</sup> Includes races other than white and black.  
<sup>2</sup> Includes infant deaths that occurred in States that did not report Hispanic origin on the death certificate.  
<sup>3</sup> Figures for "Not stated" origin are included in total Non-Hispanic; see Technical Appendix.

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**Table 2-19. Infant, Neonatal, and Postneonatal Deaths and Mortality Rates, by Specified Hispanic Origin and Race for Non-Hispanic Origin: Total of 23 Reporting States and the District of Columbia, 1988**

[Rates per 1,000 live births in specified group. Live births based on origin of mother. For a listing of reporting States see Technical Appendix]

Age	All origins	Hispanic					Non-Hispanic			Not stated <sup>3</sup>
		Total	Mexican	Puerto Rican	Cuban	Other Hispanic <sup>1</sup>	Total <sup>2</sup>	White	Black	
Number										
Total, under 1 year .....	24,083	3,245	2,061	278	24	882	19,232	11,871	6,643	1,606
Under 28 days .....	15,120	2,017	1,258	168	15	576	11,997	7,299	4,180	1,206
28 days to 11 months .....	8,963	1,228	803	110	9	306	7,335	4,572	2,463	400
Rate										
Total, under 1 year .....	10.0	8.1	7.8	7.7	7.6	8.8	9.9	8.3	17.1	...
Under 28 days .....	6.3	5.0	4.8	4.6	4.7	5.8	6.1	5.1	10.8	...
28 days to 11 months .....	3.7	3.0	3.0	3.0	2.8	3.1	3.8	3.2	6.3	...

<sup>1</sup> Includes Central and South American and other and unknown Hispanic.

<sup>2</sup> Includes races other than white and black.

<sup>3</sup> Includes infant deaths that occurred in States that did not report Hispanic origin on the death certificate.

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**Table 2-20. Infant Deaths from 61 Selected Causes, by Specified Hispanic Origin and Race for Non-Hispanic Origin: Total of 23 Reporting States and the District of Columbia, 1988**

[Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix. For a listing of reporting States see Technical Appendix.]

Cause of death	All origins	Hispanic						Non-Hispanic			Not stated <sup>2</sup>
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total <sup>1</sup>	White	Black	
All causes	24,083	3,245	2,061	278	24	183	699	19,232	11,671	6,643	1,606
Certain intestinal infections (008-009)	60	11	6	-	-	-	5	44	21	22	5
Whooping cough (033)	2	-	-	-	-	-	-	2	2	-	-
Meningococcal infection (036)	45	4	1	-	-	-	-	37	29	8	4
Septicemia (038)	152	25	16	4	-	-	5	116	71	41	11
Viral diseases (045-079)	73	20	12	2	-	3	3	50	34	13	3
Congenital syphilis (090)	12	3	3	-	-	-	-	8	-	8	1
Remainder of infectious and parasitic diseases (001-007, 010-032, 034-035, 037, 039-041, *042-*044, 080-088, 091-139)	128	27	16	6	-	1	4	93	44	48	8
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	53	5	4	-	-	-	-	46	35	10	2
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	42	7	3	3	-	1	-	32	28	2	3
Diseases of thymus gland (254)	2	1	1	-	-	-	-	1	-	1	-
Cystic fibrosis (277.0)	8	2	2	-	-	-	-	6	5	1	-
Diseases of blood and blood-forming organs (280-289)	45	12	8	2	-	1	1	31	15	8	2
Meningitis (320-322)	126	19	14	2	-	-	3	104	63	36	3
Other diseases of nervous system and sense organs (323-389)	271	29	18	-	-	1	10	235	167	58	7
Acute upper respiratory infections (460-465)	24	2	2	-	-	-	-	22	11	10	-
Bronchitis and bronchiolitis (466, 490-491)	72	12	10	1	-	-	-	59	37	18	1
Pneumonia and influenza (480-487)	498	71	37	10	1	6	17	347	187	143	20
Pneumonia (480-486)	493	71	37	10	1	6	17	343	185	141	19
Influenza (487)	5	-	-	-	-	-	-	4	2	2	1
Remainder of diseases of respiratory system (470-478, 492-519)	276	30	18	3	-	4	5	235	137	81	11
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553, 560)	43	5	4	1	-	-	-	38	21	14	2
Gastritis, duodenitis, and noninfective enteritis and colitis (535, 555-558)	65	13	11	-	-	-	2	48	23	25	3
Remainder of diseases of digestive system (520-534, 536-543, 562-579)	147	27	15	4	-	4	4	106	64	42	14
Congenital anomalies (740-759)	5,136	832	592	49	5	38	148	3,949	3,002	754	355
Anencephalus and similar anomalies (740)	340	86	63	3	-	4	16	243	187	40	11
Spina bifida (741)	40	9	7	-	-	-	2	30	23	6	1
Congenital hydrocephalus (742.3)	106	22	18	1	-	-	5	78	56	20	6
Other congenital anomalies of central nervous system and eye (742.0-742.2, 742.4-742.9, 743)	191	32	18	2	-	1	11	152	115	27	7
Congenital anomalies of heart (745-746)	1,623	231	170	17	-	10	34	1,266	953	243	126
Other congenital anomalies of circulatory system (747)	386	56	37	5	-	3	11	296	206	78	34
Congenital anomalies of respiratory system (748)	700	109	77	6	1	7	18	546	400	118	45
Congenital anomalies of digestive system (749-751)	73	11	7	1	1	-	2	54	34	15	8
Congenital anomalies of genitourinary system (752-753)	308	47	33	1	-	4	9	246	210	28	15
Congenital anomalies of musculoskeletal system (754-756)	369	50	33	5	2	3	7	284	227	44	35
Down's syndrome (768.0)	80	11	8	1	-	-	2	63	47	13	6
Other chromosomal anomalies (768.1-768.9)	521	89	70	4	1	3	11	399	310	69	33
All other and unspecified congenital anomalies (744, 757, 759)	399	79	53	3	-	3	20	292	224	53	28
Certain conditions originating in the perinatal period (760-779)	10,945	1,370	814	125	11	83	337	8,667	4,822	3,586	908
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	95	17	11	6	-	-	6	63	26	33	15
Newborn affected by maternal complications of pregnancy (761)	809	73	46	3	-	5	19	681	388	275	55
Newborn affected by complications of placenta, cord, and membranes (762)	554	64	38	2	-	6	18	461	293	164	29
Newborn affected by other complications of labor and delivery (763)	41	10	7	-	1	1	-	29	18	10	2
Slow fetal growth and fetal malnutrition (764)	22	1	1	-	-	-	-	18	10	8	3
Disorders relating to short gestation and unspecified low birthweight (765)	1,919	215	126	21	3	16	50	1,534	737	764	170
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-	-	-
Birth trauma (767)	134	11	2	1	1	2	5	113	72	36	10
Intrauterine hypoxia and birth asphyxia (768)	464	70	41	6	-	5	18	369	235	123	25
Fetal distress in liveborn infant (768.2-768.4)	111	20	15	-	-	1	4	87	59	25	4
Birth asphyxia (768.5-768.9)	353	50	26	6	-	4	14	282	176	98	21
Respiratory distress syndrome (769)	2,017	284	157	26	3	17	81	1,545	931	572	188
Other respiratory conditions of newborn (770)	2,261	264	175	13	1	18	62	1,814	1,038	720	183
Infections specific to the perinatal period (771)	520	68	43	12	1	2	10	417	251	152	35
Neonatal hemorrhage (772)	209	17	11	2	-	-	4	168	92	70	24
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	25	4	2	1	-	-	1	15	12	3	6
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	4	1	1	-	-	-	-	3	2	1	-
Hemorrhagic disease of newborn (776.0)	3	1	-	-	1	-	-	2	-	2	-
All other and ill-defined conditions originating in the perinatal period (775.2-775.9, 776.1-779)	1,868	270	153	38	-	17	62	1,435	717	673	163
Symptoms, signs, and ill-defined conditions (780-799)	4,073	459	277	42	6	28	108	3,477	2,158	1,174	137
Sudden infant death syndrome (798.0)	3,323	353	235	16	6	19	77	2,884	1,674	886	86
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799)	750	106	42	26	-	7	31	593	284	278	51
Accidents and adverse effects (E800-E949)	570	79	62	1	-	4	12	464	295	160	27
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	94	11	8	-	-	2	1	82	45	37	1
Accidental mechanical suffocation (E913)	115	10	9	-	-	-	1	99	61	34	6
Other accidental causes and adverse effects (E800-E910, E914-E949)	361	58	45	1	-	2	10	283	189	89	20
Homicide (E960-E969)	193	27	16	2	-	-	9	150	74	71	16
Child battering and other maltreatment (E967)	58	11	5	2	-	-	4	44	28	15	3
Other homicide (E960-E966, E968-E969)	135	16	11	-	-	-	5	106	46	55	13
All other causes (Residual)	1,082	153	99	21	1	6	26	866	528	299	63

<sup>1</sup> Includes races other than white and black.

<sup>2</sup> Includes infant deaths that occurred in States that did not report Hispanic origin on the death certificate.

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Table 2-21. Infant Mortality Rates for 61 Selected Causes, by Specified Hispanic Origin and Race for Non-Hispanic Origin: Total of 23 Reporting States and the District of Columbia, 1988

[Rates are deaths under 1 year per 100,000 live births in specified group. Live births based on origin of mother. Numbers after causes of death are category numbers of the Ninth Revision International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044; see Technical Appendix. For a listing of reporting States see Technical Appendix]

Cause of death	All origins <sup>1</sup>	Hispanic					Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Other Hispanic <sup>2</sup>	Total <sup>3</sup>	White	Black
All causes	998.0	805.2	781.2	769.2	760.0	883.2	990.0	833.0	1,709.3
Certain intestinal infections (008-009)	2.5	* 2.7	* 2.3	-	-	* 5.0	2.3	1.5	5.7
Whooping cough (033)	* 1	-	-	-	-	-	* 1	* 1	-
Meningococcal infection (036)	1.9	* 1.0	* 1	-	-	* 3.0	1.9	2.0	* 2.1
Septicemia (038)	6.3	6.2	* 6.1	* 11.1	-	* 5.0	6.0	5.0	10.5
Viral diseases (045-079)	3.0	5.0	* 4.5	* 5.5	-	* 6.0	2.6	2.4	* 3.3
Congenital syphilis (090)	* 5	* 7	* 1.1	-	-	-	* 4	-	* 2.1
Remainder of infectious and parasitic diseases (001-007, 010-032,034-035,037,039-041,*042-*044,080-088,091-139)	5.3	6.7	* 6.1	* 16.6	-	* 5.0	4.8	3.1	12.4
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	2.2	* 1.2	* 1.5	-	-	* 1.0	2.4	2.5	* 2.6
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	1.7	* 1.7	* 1.1	* 8.3	-	* 1.0	1.6	2.0	* 5
Diseases of thymus gland (254)	* 1	* 2	* 4	-	-	-	* 1	-	* 3
Cystic fibrosis (277.0)	* 3	* 5	* 8	-	-	-	* 3	* 4	* 3
Diseases of blood and blood-forming organs (280-289)	1.9	* 3.0	* 3.0	* 5.5	-	* 2.0	1.6	* 1.1	* 2.1
Mononucleosis (292-322)	5.2	* 4.7	* 5.3	* 5.5	-	* 3.0	5.4	4.4	9.3
Other diseases of nervous system and sense organs (323-389)	11.2	7.2	* 6.8	-	-	* 11.0	12.1	11.7	14.9
Acute upper respiratory infections (460-465)	1.0	* 5	* 8	-	-	-	1.1	* 8	* 2.6
Bronchitis and bronchiolitis (466,490-491)	3.0	* 3.0	* 3.8	* 2.8	-	* 1.0	3.0	2.6	* 4.6
Pneumonia and influenza (480-487)	18.2	17.6	14.0	* 27.7	* 31.7	23.0	17.9	13.1	36.8
Pneumonia (480-486)	17.9	17.6	14.0	* 27.7	* 31.7	23.0	17.7	13.0	36.3
Influenza (487)	* 2	-	-	-	-	-	* 2	* 1	* 5
Remainder of diseases of respiratory system (470-478,492-519)	11.4	7.4	* 6.8	* 8.3	-	* 9.0	12.1	9.6	20.8
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)	1.8	* 1.2	* 1.5	* 2.8	-	-	1.9	1.5	* 3.6
Gastritis,duodenitis, and noninfective enteritis and colitis (535,555-558)	2.7	* 3.2	* 4.2	-	-	* 2.0	2.5	1.6	6.4
Remainder of diseases of digestive system (520-534,536-543,562-579)	6.1	6.7	* 5.7	* 11.1	-	* 8.0	5.5	4.5	10.8
Congenital anomalies (740-759)	212.8	206.5	224.4	135.6	* 158.3	186.3	203.3	210.6	194.0
Anencephalus and similar anomalies (740)	14.1	21.3	23.9	* 8.3	-	* 20.0	12.5	13.1	10.3
Spina bifida (741)	1.7	* 2.2	* 2.7	-	-	* 2.0	1.5	1.6	* 1.5
Congenital hydrocephalus (742.3)	4.4	5.5	* 6.1	* 2.8	-	* 5.0	4.0	3.9	5.1
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	7.9	7.9	* 6.8	* 5.5	-	* 12.0	7.8	8.1	6.9
Congenital anomalies of heart (745-746)	67.3	57.3	64.4	* 47.0	-	44.1	65.2	67.6	62.5
Other congenital anomalies of circulatory system (747)	16.0	13.9	14.0	* 13.8	-	* 14.0	15.2	14.5	20.1
Congenital anomalies of respiratory system (748)	29.0	27.0	29.2	* 16.6	* 31.7	25.0	28.1	28.1	30.4
Congenital anomalies of digestive system (749-751)	3.0	* 2.7	* 2.7	* 2.8	* 31.7	* 2.0	2.8	2.4	* 3.9
Congenital anomalies of genitourinary system (752-753)	12.6	11.7	12.5	* 2.8	-	* 13.0	12.7	14.7	7.2
Congenital anomalies of musculoskeletal system (754-756)	15.3	12.4	12.5	* 13.8	* 63.3	* 10.0	14.6	15.9	11.3
Down's syndrome (758.0)	3.3	* 2.7	* 3.0	* 2.8	-	* 2.0	3.2	3.3	* 3.3
Other chromosomal anomalies (758.1-758.9)	21.6	22.1	26.5	* 11.1	* 31.7	* 14.0	20.5	21.8	17.8
All other and unspecified congenital anomalies (744,757,759)	16.5	19.6	20.1	* 8.3	-	23.0	15.0	15.7	13.6
Certain conditions originating in the perinatal period (760-779)	453.5	340.0	308.5	345.9	* 348.3	420.6	446.2	338.4	925.3
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)	3.9	* 4.2	* 4.2	-	-	* 6.0	3.2	1.8	8.5
Newborn affected by maternal complications of pregnancy (761)	33.5	18.1	17.4	* 8.3	-	24.0	35.1	27.2	70.8
Newborn affected by complications of placenta, cord, and membranes (762)	23.0	15.9	14.4	* 5.5	-	24.0	23.7	20.6	39.6
Newborn affected by other complications of labor and delivery (763)	1.7	* 2.5	* 2.7	-	* 31.7	* 2.0	1.5	* 1.3	* 2.6
Slow fetal growth and fetal malnutrition (764)	.9	* 2	* 4	-	-	-	* 9	* 7	* 2.1
Disorders relating to short gestation and unspecified low birthweight (765)	79.5	53.4	47.8	58.1	* 95.0	65.1	79.0	51.7	196.6
Disorders relating to long gestation and high birthweight (766)	-	-	-	-	-	-	-	-	-
Birth trauma (767)	5.6	* 2.7	* 8	* 2.8	* 31.7	* 7.0	5.8	5.1	9.3
Intrauterine hypoxia and birth asphyxia (768)	19.2	17.4	15.5	* 16.6	-	23.0	19.0	16.5	31.6
Fetal distress in liveborn infant (768.2-768.4)	4.6	5.0	* 5.7	-	-	* 5.0	4.5	4.1	6.4
Birth asphyxia (768.5-768.9)	14.6	12.4	9.9	* 16.6	-	* 18.0	14.5	12.9	25.2
Respiratory distress syndrome (769)	83.6	70.5	59.5	71.9	* 95.0	98.1	79.5	65.3	147.2
Other respiratory conditions of newborn (770)	93.7	65.5	66.3	* 36.0	* 31.7	75.1	93.4	72.8	185.3
Infections specific to the perinatal period (771)	21.5	16.9	16.3	* 33.2	* 31.7	* 12.0	21.5	17.6	39.1
Neonatal hemorrhage (772)	8.7	* 4.2	* 4.2	* 5.5	-	* 4.0	8.6	6.5	18.0
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)	1.0	* 1.0	* 8	* 2.8	-	* 1.0	* 8	* 8	* 8
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)	* 2	* 2	* 4	-	-	-	* 2	* 1	* 3
Hemorrhagic disease of newborn (776.0)	* 1	* 2	-	-	* 31.7	-	* 1	-	* 5
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)	77.4	67.0	58.0	105.1	-	79.1	73.9	50.3	173.2
Symptoms, signs, and ill-defined conditions (780-799)	168.8	113.9	105.0	116.2	* 190.0	134.2	179.0	151.4	302.1
Sudden infant death syndrome (798.0)	137.7	87.6	89.1	* 44.3	* 190.0	96.1	148.5	131.5	230.5
Symptoms, signs, and all other ill-defined conditions (780-797, 798.1-799)	31.1	26.3	15.9	71.9	-	38.1	30.5	19.9	71.5
Accidents and adverse effects (E800-E949)	23.6	19.6	23.5	* 2.8	-	* 16.0	23.9	20.7	41.2
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)	3.9	* 2.7	* 3.0	-	-	* 3.0	4.2	3.2	9.5
Accidental mechanical suffocation (E913)	4.8	* 2.5	* 3.4	-	-	* 1.0	5.1	4.3	8.7
Other accidental causes and adverse effects (E800-E910,E914-E949)	15.0	14.4	17.1	* 2.8	-	* 12.0	14.6	13.3	22.9
Homicide (E960-E969)	8.0	6.7	* 6.1	* 5.5	-	* 9.0	7.7	5.2	18.3
Child battering and other maltreatment (E967)	2.4	* 2.7	* 1.9	* 5.5	-	* 4.0	2.3	2.0	* 3.9
Other homicide (E960-E966,E968-E969)	5.6	* 4.0	* 4.2	-	-	* 5.0	5.5	3.2	14.4
All other causes (Residual)	44.8	38.0	37.5	58.1	* 31.7	32.0	44.6	36.9	76.9

<sup>1</sup> Figures for origin not stated included in "All origins" but not distributed among origins.  
<sup>2</sup> Includes Central and South American and other and unknown Hispanic.  
<sup>3</sup> Includes races other than white and black.  
<sup>4</sup> Rate based on less than 20 infant deaths.

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Table 2-22. Infant Deaths and Mortality Rates for Human Immunodeficiency Virus Infection and 3-Digit Subcategories, by Specified Hispanic Origin, Race for Non-Hispanic Origin, and Sex: Total of 23 Reporting States and the District of Columbia, 1988

[Rates are deaths under 1 year per 100,000 live births in specified group. Live births based on origin of mother. Numbers after causes of death are category numbers introduced in the United States in 1987; see Technical Appendix. For a listing of reporting States see Technical Appendix]

Cause of death and sex	All origins	Hispanic					Non-Hispanic			Not stated <sup>a</sup>
		Total	Mexican	Puerto Rican	Cuban	Other Hispanic <sup>1</sup>	Total <sup>2</sup>	White	Black	
Number										
Human immunodeficiency virus infection (*042-*044) .....	50	11	5	5	-	1	37	12	25	2
Male .....	32	7	2	5	-	-	23	9	14	2
Female .....	18	4	3	-	-	1	14	3	11	-
Human immunodeficiency virus infection with specified conditions (*042) .....	47	11	5	5	-	1	34	10	24	2
Male .....	30	7	2	5	-	-	21	8	13	2
Female .....	17	4	3	-	-	1	13	2	11	-
Human immunodeficiency virus infection causing other specified conditions (*043) .....	-	-	-	-	-	-	-	-	-	-
Male .....	-	-	-	-	-	-	-	-	-	-
Female .....	-	-	-	-	-	-	-	-	-	-
Other human immunodeficiency virus infection (*044) .....	3	-	-	-	-	-	3	2	1	-
Male .....	2	-	-	-	-	-	2	1	1	-
Female .....	1	-	-	-	-	-	1	1	-	-
Rate										
Human immunodeficiency virus infection (*042-*044) .....	2.1	2.7	1.9	13.8	-	1.0	1.9	0.8	6.4	...
Male .....	2.6	3.4	1.5	27.0	-	-	2.3	1.2	7.1	...
Female .....	1.5	2.0	2.3	-	-	2.0	1.5	.4	5.8	...
Human immunodeficiency virus infection with specified conditions (*042) .....	1.9	2.7	1.9	13.8	-	1.0	1.8	.7	6.2	...
Male .....	2.4	3.4	1.5	27.0	-	-	2.1	1.1	6.6	...
Female .....	1.4	2.0	2.3	-	-	2.0	1.4	.3	5.8	...
Human immunodeficiency virus infection causing other specified conditions (*043) .....	-	-	-	-	-	-	-	-	-	...
Male .....	-	-	-	-	-	-	-	-	-	...
Female .....	-	-	-	-	-	-	-	-	-	...
Other human immunodeficiency virus infection (*044) .....	.1	-	-	-	-	-	.2	.1	.3	...
Male .....	.2	-	-	-	-	-	.2	.1	.5	...
Female .....	.1	-	-	-	-	-	.1	.1	-	...

<sup>1</sup> Includes Central and South American and other and unknown Hispanic.  
<sup>2</sup> Includes races other than white and black.  
<sup>a</sup> Includes infant deaths that occurred in States that did not report Hispanic origin on the death certificate.

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Table 2-23. Infant Deaths and Mortality Rates for Human Immunodeficiency Virus Infection and 3-Digit Subcategories, by Race and Sex: United States, 1988

[Rates are deaths under 1 year per 100,000 live births in specified group. Numbers after causes of death are category numbers introduced in the United States in 1987; see Technical Appendix]

Cause of death	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
	Number											
Human immunodeficiency virus infection (*042-*044) .....	81	49	32	33	23	10	48	26	22	48	26	2
Human immunodeficiency virus infection with specified conditions (*042) .....	76	46	30	30	21	9	46	25	21	46	25	2
Human immunodeficiency virus infection causing other specified conditions (*043) .....	1	-	1	-	-	-	1	-	1	1	-	-
Other human immunodeficiency virus infection (*044) .....	4	3	1	3	2	1	1	1	-	1	1	-
	Rate											
Human immunodeficiency virus infection (*042-*044) .....	2.1	2.4	1.7	1.1	1.5	0.7	5.6	5.9	5.2	7.1	7.6	6.7
Human immunodeficiency virus infection with specified conditions (*042) .....	1.9	2.3	1.6	1.0	1.3	.6	5.3	5.7	5.0	6.8	7.3	6.4
Human immunodeficiency virus infection causing other specified conditions (*043) .....	.0	-	.1	-	-	-	.1	-	.2	.1	-	.3
Other human immunodeficiency virus infection (*044) .....	.1	.1	.1	.1	.1	.1	.1	.2	-	.1	.3	-

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Table 3-1. Fetal Deaths by Period of Gestation and State of Occurrence: United States and Each State, 1988

[Data by place of occurrence include fetal deaths that occur to nonresidents. Minimum period of gestation for which fetal death reporting is required varies by reporting area; see Technical Appendix]

Area	Total fetal deaths	Period of gestation <sup>1</sup>														Not stated
		Under 4 weeks	4-7 weeks	8-11 weeks	12-15 weeks	16-19 weeks	20-23 weeks	24-27 weeks	28-31 weeks	32-35 weeks	36 weeks	37-39 weeks	40 weeks	41 weeks	42 weeks and over	
United States .....	59,935	789	5,974	11,807	6,428	3,664	6,202	4,087	3,996	3,787	1,237	3,836	1,336	755	964	5,679
Alabama .....	646	-	2	2	2	13	157	132	70	91	25	91	31	7	22	1
Alaska .....	63	-	-	-	-	2	9	10	4	12	5	4	3	-	1	13
Arizona .....	429	-	-	-	-	10	87	69	55	40	23	73	32	13	14	13
Arkansas .....	295	1	-	1	1	4	43	35	27	38	8	47	9	12	11	58
California .....	3,669	1	2	2	15	45	513	411	380	495	166	508	143	119	132	737
Colorado .....	2,383	60	385	783	420	214	127	61	43	59	19	48	37	9	14	84
Connecticut .....	334	-	1	-	1	7	52	30	27	32	10	20	6	4	5	139
Delaware .....	70	-	-	-	2	3	15	8	8	6	5	6	3	4	-	74
District of Columbia .....	221	-	-	-	1	7	42	24	16	15	10	20	6	3	3	10
Florida .....	1,604	1	-	-	4	22	199	164	143	173	40	163	48	37	51	559
Georgia .....	7,356	175	1,263	2,429	1,342	600	443	192	158	164	48	103	47	16	36	340
Hawaii .....	1,503	49	277	515	310	88	71	24	21	18	9	18	4	3	5	91
Idaho .....	93	-	1	1	-	4	21	12	12	9	3	15	8	2	4	2
Illinois .....	1,386	-	1	2	4	38	209	150	157	154	62	163	48	32	40	326
Indiana .....	617	-	3	2	4	20	93	97	59	79	31	105	24	18	21	61
Iowa .....	249	-	-	-	-	9	39	38	44	31	8	33	20	13	7	7
Kansas .....	245	2	1	-	2	6	26	28	20	31	5	31	16	6	6	85
Kentucky .....	457	-	-	-	4	20	82	60	60	64	19	52	27	15	12	42
Louisiana .....	637	3	1	4	3	23	87	83	60	93	25	67	20	18	15	143
Maine .....	110	-	-	-	-	-	17	12	7	10	6	16	3	3	3	33
Maryland .....	520	1	1	1	3	14	68	39	23	33	13	30	15	12	11	256
Massachusetts .....	572	1	1	-	2	13	157	83	79	72	29	82	24	13	16	-
Michigan .....	757	1	4	1	5	27	187	118	91	119	30	95	45	8	23	3
Minnesota .....	460	-	-	1	7	15	55	35	27	29	10	36	4	3	5	233
Mississippi .....	451	2	2	2	3	15	116	74	50	59	20	62	15	10	6	15
Missouri .....	546	-	1	1	1	18	115	78	72	81	25	69	30	19	23	13
Montana .....	85	-	-	-	-	3	16	10	9	18	3	14	5	3	3	1
Nebraska .....	175	-	-	-	-	4	22	13	20	22	10	31	3	5	9	36
Nevada .....	155	-	-	1	-	10	35	22	21	19	10	15	8	1	5	8
New Hampshire .....	109	-	-	-	-	3	17	16	13	18	5	18	8	5	6	-
New Jersey .....	902	1	2	1	5	18	115	79	65	68	23	74	28	24	18	383
New Mexico .....	155	-	-	-	-	2	14	20	15	23	4	18	14	6	5	34
New York .....	14,279	225	2,344	4,782	2,477	1,090	798	411	332	316	86	310	104	77	94	833
New York excluding																
New York City .....	10,011	184	1,878	3,759	1,909	705	386	161	133	121	30	137	45	43	44	476
New York City .....	4,268	41	466	1,023	568	385	412	250	199	195	56	173	59	34	50	357
North Carolina .....	887	1	2	3	12	18	185	132	121	112	31	123	40	26	34	47
North Dakota .....	91	-	-	-	1	3	19	12	19	9	5	13	4	4	2	-
Ohio .....	1,137	-	-	1	1	13	240	181	149	171	75	174	58	23	50	1
Oklahoma .....	334	-	-	2	1	3	26	28	28	24	11	34	13	3	9	152
Oregon .....	259	-	-	-	2	3	54	40	37	30	13	51	14	5	8	2
Pennsylvania .....	1,947	1	2	5	38	444	444	227	177	189	49	198	61	37	35	22
Rhode Island .....	1,040	27	176	407	226	76	37	20	15	9	2	10	7	4	3	19
South Carolina .....	598	1	4	6	6	31	164	104	66	64	28	70	24	11	20	1
South Dakota .....	68	-	-	-	-	2	10	8	10	11	4	10	8	2	1	2
Tennessee .....	504	1	-	-	-	9	37	90	93	83	29	94	30	11	24	3
Texas .....	2,122	4	1	6	13	86	360	313	253	307	103	336	131	65	69	53
Utah .....	218	-	-	-	-	13	45	40	25	40	8	30	4	6	6	2
Vermont .....	53	-	-	-	1	-	15	7	5	8	1	9	5	-	2	-
Virginia .....	8,136	224	1,495	2,846	1,503	584	340	135	117	105	44	106	33	10	29	565
Washington .....	371	-	1	-	1	3	43	34	26	37	11	44	16	10	14	131
West Virginia .....	184	-	-	-	2	-	18	18	12	18	8	22	5	3	13	65
Wisconsin .....	435	1	-	-	3	6	92	55	57	74	21	70	26	12	17	1
Wyoming .....	38	-	-	-	-	1	6	5	6	5	1	7	1	4	2	-

<sup>1</sup> Period of gestation reported in months allocated to gestation intervals in weeks as shown in the Technical Appendix.



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Table 3-2. Fetal Deaths and Fetal-Death Ratios by Race: United States, 1942-88

[Fetal deaths for 1969-88 include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix. For earlier years, gestational age not stated is included. Beginning 1970 excludes fetal deaths occurring to nonresidents of the United States; see Technical Appendix. Ratios per 1,000 live births in specified group]

Year	Number				Ratio			
	All races	White	All other		All races	White	All other	
			Total	Black			Total	Black
1988	29,442	19,626	9,816	8,675	7.5	6.4	11.4	12.9
1987	29,349	19,972	9,377	8,337	7.7	6.7	11.5	13.0
1986	28,972	20,146	8,826	7,856	7.7	6.8	11.2	12.8
1985	29,661	20,954	8,707	7,738	7.9	7.0	11.3	12.7
1984	30,099	21,497	8,602	7,653	8.2	7.4	11.5	12.9
1983	30,752	21,650	9,102	8,001	8.5	7.5	12.4	13.7
1982	32,694	23,316	9,378	8,274	8.9	7.9	12.7	14.0
1981	32,586	23,364	9,232	8,225	9.0	8.0	12.8	14.0
1980	33,353	23,766	9,587	8,640	9.2	8.2	13.4	14.7
1979	32,989	23,489	9,480	8,683	9.4	8.4	13.8	15.0
1978	32,301	22,696	9,605	8,734	9.7	8.5	14.7	15.8
1977	33,053	23,628	9,425	8,643	9.9	8.8	14.8	15.9
1976	33,111	23,987	9,124	8,363	10.5	9.3	15.2	16.3
1975	33,796	24,309	9,467	8,721	10.7	9.5	16.0	17.0
1974	36,281	26,365	9,916	9,125	11.5	10.2	17.0	18.0
1973	38,309	27,433	10,876	10,101	12.2	10.8	18.6	19.7
1972	41,360	29,611	11,769	10,915	12.7	11.2	19.5	20.5
1971	47,818	34,308	13,510	12,626	13.4	11.8	21.2	22.3
1970	52,961	38,481	14,480	13,594	14.2	12.4	22.6	23.8
1969	50,749	37,091	13,658	---	14.1	12.4	22.5	---
1968	55,293	40,206	15,087	---	15.8	13.8	25.6	---
1967	54,934	39,500	15,434	---	15.6	13.5	25.8	---
1966	56,637	40,627	16,010	---	15.7	13.6	26.1	---
1965	60,859	43,530	17,329	---	16.2	13.9	27.2	---
1964	65,931	47,345	18,586	---	16.4	14.1	28.2	---
1963 <sup>1</sup>	64,640	45,495	17,075	---	15.8	13.7	26.7	---
1962 <sup>1</sup>	66,421	47,328	17,128	---	15.9	13.9	26.7	---
1961	68,767	50,728	18,039	---	16.1	14.1	27.0	---
1960	68,480	50,894	17,586	---	16.1	14.1	26.8	---
1959	68,613	50,911	17,702	---	16.2	14.2	27.3	---
1958	69,355	51,969	17,386	---	16.5	14.5	27.5	---
1957	69,561	52,591	16,970	---	16.3	14.5	26.8	---
1956	68,659	51,865	16,794	---	16.5	14.6	27.2	---
1955	69,153	52,411	16,742	---	17.1	15.2	28.4	---
1954	70,109	53,632	16,577	---	17.5	15.5	28.9	---
1953	69,393	53,252	16,141	---	17.8	15.9	29.6	---
1952	70,447	53,541	16,906	---	18.3	16.1	32.2	---
1951	70,569	54,071	16,498	---	18.8	16.7	32.1	---
1950	68,262	52,319	15,943	---	19.2	17.1	32.5	---
1949	70,594	54,114	16,470	---	19.8	17.5	34.6	---
1948	72,838	56,232	16,606	---	20.6	18.3	36.5	---
1947	77,917	61,072	16,845	---	21.1	18.7	39.6	---
1946	74,849	59,494	15,355	---	22.8	20.4	40.9	---
1945	65,513	51,242	14,271	---	23.9	21.4	42.0	---
1944	68,374	---	---	---	24.5	---	---	---
1943	71,873	---	---	---	24.5	---	---	---
1942	72,017	---	---	---	25.6	---	---	---

<sup>1</sup> Figures by race exclude data for residents of New Jersey; see Technical Appendix.

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Table 3-3. Number and Percent Distribution of Fetal Deaths, by Age of Mother, for Specified Periods of Gestation:  
Selected Areas Combined, 1988

[Includes only fetal deaths that occur to residents of selected areas in the United States which report all periods of gestation; see Technical Appendix]

Age of mother	Period of gestation <sup>1</sup>							
	Number				Percent			
	Total	Under 20 weeks	20 weeks and over	Not stated	Total	Under 20 weeks	20 weeks and over	Not stated
Total .....	33,733	26,572	5,285	1,876	100.0	100.0	100.0	100.0
Under 15 years .....	83	66	21	6	0.3	0.2	0.4	0.3
15-19 years .....	3,301	2,448	644	209	9.8	9.2	12.2	11.1
20-24 years .....	7,520	5,689	1,388	463	22.3	21.3	28.3	24.7
25-29 years .....	9,540	7,568	1,454	518	28.3	28.5	27.5	27.6
30-34 years .....	7,927	6,357	1,170	400	23.5	23.9	22.1	21.3
35-39 years .....	4,109	3,406	496	207	12.2	12.8	9.4	11.0
40-44 years .....	1,132	967	102	63	3.4	3.6	1.9	3.4
45-49 years .....	111	91	10	10	.3	.3	.2	.5

<sup>1</sup> Period of gestation reported in months allocated to gestation intervals in weeks as shown in the Technical Appendix.

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**Table 3-4. Fetal Deaths and Fetal-Death Ratios, by Marital Status, Age of Mother, and Race: Total of 43 Reporting Areas, 1988**

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix. Ratios per 1,000 live births in specified group. For list of States reporting marital status of women see Technical Appendix]

Age of mother and race	Number			Ratio		
	Total	Married women <sup>1</sup>	Unmarried women	Total	Married women <sup>1</sup>	Unmarried women
All races .....	18,465	11,930	6,535	7.8	6.8	10.9
Under 15 years .....	103	6	97	15.3	20.7	15.0
15-19 years .....	2,622	846	1,976	9.5	8.4	10.0
20-24 years .....	5,018	2,877	2,141	7.6	6.5	11.4
25-29 years .....	5,119	3,853	1,266	6.8	6.0	10.0
30-34 years .....	3,533	2,832	701	7.5	6.7	14.1
35-39 years .....	1,525	1,246	279	10.0	9.1	16.8
40 years and over .....	345	270	75	15.6	14.1	24.8
White .....	12,057	9,451	2,608	6.6	6.1	8.9
Under 15 years .....	29	1	22	10.6	4.0	11.4
15-19 years .....	1,481	649	832	7.9	7.3	8.4
20-24 years .....	3,108	2,277	831	6.3	5.9	8.0
25-29 years .....	3,555	3,065	490	5.8	5.5	9.0
30-34 years .....	2,522	2,244	278	6.4	6.1	11.5
35-39 years .....	1,117	1,002	115	8.9	8.6	13.5
40 years and over .....	251	213	38	14.2	13.4	22.4
All other .....	6,408	2,479	3,929	12.1	11.1	12.9
Under 15 years .....	80	5	75	17.5	119.0	16.6
15-19 years .....	1,341	197	1,144	12.3	18.1	11.6
20-24 years .....	1,910	600	1,310	11.3	9.9	12.0
25-29 years .....	1,564	788	776	11.7	10.2	13.7
30-34 years .....	1,011	588	423	13.0	11.2	16.6
35-39 years .....	408	244	164	14.9	12.7	20.2
40 years and over .....	94	57	37	20.7	17.8	27.8
Black .....	5,769	2,023	3,746	13.4	13.3	13.5
Under 15 years .....	78	5	73	17.9	263.2	16.8
15-19 years .....	1,265	165	1,100	12.9	22.4	12.1
20-24 years .....	1,762	506	1,256	12.2	11.5	12.6
25-29 years .....	1,375	641	734	13.3	12.2	14.4
30-34 years .....	871	473	398	15.4	14.1	17.4
35-39 years .....	340	190	150	17.7	15.7	21.3
40 years and over .....	78	43	35	25.8	22.5	31.6

<sup>1</sup> Includes marital status of women not stated.

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**Table 3-5. Fetal Deaths and Fetal-Death Rates, by Plurality of Birth, Race, and Sex: United States, 1988**

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix.  
Rates per 1,000 live births and fetal deaths in specified group]

Plurality of birth and race	Number				Rate <sup>1</sup>		
	Total	Male	Female	Sex not stated	Total	Male	Female
<b>All races</b> .....	<b>29,442</b>	<b>14,930</b>	<b>13,326</b>	<b>1,186</b>	<b>7.5</b>	<b>7.7</b>	<b>7.2</b>
Fetal deaths in single deliveries .....	27,145	13,837	12,201	1,107	7.1	7.3	6.8
Fetal deaths in twin deliveries .....	2,209	1,053	1,079	77	25.2	25.1	25.4
Fetal deaths in other plural deliveries .....	88	40	46	2	35.6	34.7	36.4
<b>White</b> .....	<b>19,626</b>	<b>9,876</b>	<b>8,973</b>	<b>777</b>	<b>6.4</b>	<b>6.5</b>	<b>6.3</b>
Fetal deaths in single deliveries .....	17,983	9,065	8,172	726	6.0	6.1	5.8
Fetal deaths in twin deliveries .....	1,593	782	761	50	23.9	24.2	23.5
Fetal deaths in other plural deliveries .....	70	29	40	1	33.5	28.7	38.0
<b>All other</b> .....	<b>9,816</b>	<b>5,054</b>	<b>4,353</b>	<b>409</b>	<b>11.2</b>	<b>11.9</b>	<b>10.6</b>
Fetal deaths in single deliveries .....	9,182	4,772	4,029	381	10.8	11.5	10.1
Fetal deaths in twin deliveries .....	616	271	318	27	29.6	27.8	31.4
Fetal deaths in other plural deliveries .....	18	11	6	1	46.9	69.4	28.4
<b>Black</b> .....	<b>8,675</b>	<b>4,471</b>	<b>3,835</b>	<b>369</b>	<b>12.7</b>	<b>13.5</b>	<b>12.0</b>
Fetal deaths in single deliveries .....	8,120	4,224	3,553	343	12.3	13.1	11.4
Fetal deaths in twin deliveries .....	538	236	277	25	30.6	28.8	32.4
Fetal deaths in other plural deliveries .....	17	11	5	1	53.5	65.7	28.1

<sup>1</sup> Figures for sex not stated are distributed.

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Table 3-6. Fetal Deaths by Period of Gestation and Race, and Fetal-Death Ratios by Race, for Metropolitan and Nonmetropolitan Counties in the United States and Each Geographic Division; and for Population-Size Groups in the United States; 1988

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix. Ratios per 1,000 live births in specified group. Urban places in metropolitan counties are those with populations of 10,000 or more; urban places in nonmetropolitan counties are those with populations of 10,000 or more but less than 50,000 as enumerated in 1980. For definition of areas see Technical Appendix.]

Area and race	Fetal deaths								Fetal-death ratios
	Total	Period of gestation <sup>1</sup>							
		20-27 weeks	28 weeks and over	28-31 weeks	32-35 weeks	37-41 weeks	42 weeks and over	Not stated	
United States .....	29,442	10,279	15,297	3,392	5,021	5,922	962	3,886	7.5
White .....	19,626	6,515	10,786	2,224	3,380	4,467	715	2,325	6.4
All other .....	9,816	3,764	4,511	1,168	1,641	1,455	247	1,541	11.4
Black .....	8,675	3,418	3,872	1,029	1,433	1,204	206	1,385	12.9
Urban places .....	18,098	6,268	9,257	2,098	3,082	3,501	576	2,573	7.8
White .....	10,791	3,468	5,931	1,211	1,878	2,455	387	1,392	6.5
All other .....	7,307	2,800	3,326	887	1,204	1,046	189	1,181	11.1
Black .....	6,544	2,564	2,904	791	1,064	882	167	1,076	12.5
Balance of area .....	11,344	4,011	6,040	1,294	1,939	2,421	386	1,293	7.1
White .....	8,835	3,047	4,855	1,013	1,502	2,012	328	933	6.4
All other .....	2,509	964	1,185	281	437	409	58	360	12.2
Black .....	2,131	854	968	238	369	322	39	309	14.3
Metropolitan counties .....	22,799	7,971	11,606	2,601	3,850	4,439	716	3,222	7.4
White .....	14,758	4,835	7,983	1,657	2,521	3,290	515	1,840	6.3
All other .....	8,041	3,036	3,623	944	1,329	1,149	201	1,382	11.2
Black .....	7,178	2,771	3,149	837	1,171	966	175	1,258	12.7
Urban places .....	16,595	5,761	8,415	1,913	2,827	3,159	516	2,419	7.8
White .....	9,761	3,162	5,420	1,090	1,702	2,190	338	1,279	6.5
All other .....	6,834	2,599	3,095	823	1,125	969	178	1,140	11.1
Black .....	6,121	2,379	2,702	733	995	818	156	1,040	12.5
Balance of area .....	6,204	2,210	3,191	688	1,023	1,260	200	803	6.6
White .....	4,997	1,773	2,663	567	819	1,100	177	591	6.0
All other .....	1,207	437	528	121	204	180	23	242	11.8
Black .....	1,057	392	447	104	176	148	19	218	14.2
Nonmetropolitan counties .....	6,643	2,308	3,691	791	1,171	1,483	246	644	7.9
White .....	4,868	1,580	2,803	567	859	1,177	200	485	6.9
All other .....	1,775	728	888	224	312	306	46	159	12.5
Black .....	1,497	647	723	192	262	238	31	127	14.1
Urban places .....	1,503	507	642	185	255	342	60	154	8.0
White .....	1,030	306	411	121	176	265	49	113	7.0
All other .....	473	201	231	64	79	77	11	41	12.2
Black .....	423	185	202	58	69	64	11	36	13.5
Balance of area .....	5,140	1,801	2,949	606	916	1,141	188	490	7.8
White .....	3,838	1,274	2,192	446	683	912	151	372	6.9
All other .....	1,302	527	657	160	233	229	35	118	12.6
Black .....	1,074	462	521	134	193	174	20	91	14.3
New England .....	1,247	463	615	143	202	235	35	169	6.5
White .....	1,008	362	521	119	166	205	31	125	5.9
All other .....	239	101	94	24	36	30	4	44	10.6
Black .....	214	93	80	23	29	24	4	41	12.9
Metropolitan counties .....	1,069	412	508	122	166	190	30	149	6.5
White .....	845	314	423	99	132	166	26	108	5.9
All other .....	224	98	85	23	34	24	4	41	10.3
Black .....	202	90	74	22	28	20	4	38	12.4
Nonmetropolitan counties .....	178	51	107	21	36	45	5	20	5.4
White .....	163	48	98	20	34	39	5	17	6.0
All other .....	15	3	9	1	2	6	-	3	19.2
Black .....	12	3	6	1	1	4	-	3	39.1
Middle Atlantic .....	4,960	2,063	2,393	580	732	932	149	504	8.8
White .....	3,170	1,295	1,611	368	458	683	102	264	7.4
All other .....	1,790	768	782	212	274	249	47	240	13.5
Black .....	1,673	729	714	201	253	220	40	230	14.8
Metropolitan counties .....	4,550	1,897	2,167	523	673	832	139	486	9.1
White .....	2,778	1,140	1,390	314	400	584	92	248	7.5
All other .....	1,772	757	777	209	273	248	47	238	13.6
Black .....	1,657	719	709	198	262	219	40	229	14.9
Nonmetropolitan counties .....	410	166	226	57	59	100	10	18	6.8
White .....	392	155	221	54	58	99	10	16	6.5
All other .....	18	11	5	3	1	1	-	2	7.6
Black .....	16	10	5	3	1	1	-	1	9.4
East North Central .....	4,238	1,444	2,391	517	823	898	153	403	6.6
White .....	2,979	962	1,782	360	586	716	120	235	5.8
All other .....	1,259	482	609	157	237	182	33	168	10.3
Black .....	1,195	462	570	148	223	168	31	163	10.9
Metropolitan counties .....	3,471	1,205	1,912	419	676	703	114	354	6.8
White .....	2,250	733	1,328	271	448	524	83	191	5.7
All other .....	1,221	472	586	148	228	179	31	163	10.3
Black .....	1,165	455	552	141	216	165	30	158	10.9
Nonmetropolitan counties .....	767	239	479	98	147	195	39	49	6.2
White .....	729	229	456	89	138	192	37	44	6.1
All other .....	38	10	23	9	9	3	2	5	8.5
Black .....	30	7	18	7	7	3	1	5	11.0
West North Central .....	1,739	490	898	208	277	360	51	353	6.6
White .....	1,439	393	756	162	225	323	46	290	6.2
All other .....	300	97	140	46	52	37	5	63	9.4
Black .....	230	84	104	36	41	23	4	42	10.5
Metropolitan counties .....	974	279	469	128	156	166	19	226	6.2
White .....	751	203	375	97	119	143	16	173	5.7
All other .....	223	76	94	31	37	23	3	53	9.0
Black .....	197	70	88	29	35	21	3	39	10.1
Nonmetropolitan counties .....	765	211	427	80	121	194	32	127	7.0
White .....	688	190	381	65	106	180	30	117	6.8
All other .....	77	21	46	15	15	14	2	10	10.6
Black .....	33	14	16	7	6	2	1	3	13.2

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Table 3-6. Fetal Deaths by Period of Gestation and Race, and Fetal-Death Ratios by Race, for Metropolitan and Nonmetropolitan Counties in the United States and Each Geographic Division; and for Population-Size Groups in the United States: 1988—Con.

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix. Ratios per 1,000 live births in specified group. Urban places in metropolitan counties are those with populations of 10,000 or more; urban places in nonmetropolitan counties are those with populations of 10,000 or more but less than 50,000 as enumerated in 1980. For definition of areas see Technical Appendix.]

Area and race	Fetal deaths								Fetal-death ratios
	Total	Period of gestation <sup>1</sup>							
		20-27 weeks	28 weeks and over	28-31 weeks	32-36 weeks	37-41 weeks	42 weeks and over	Not stated	
South Atlantic .....	6,073	2,296	2,758	657	919	986	196	1,019	9.3
White .....	3,207	1,138	1,591	359	479	628	125	478	7.1
All other .....	2,866	1,158	1,167	298	440	358	71	541	13.9
Black .....	2,779	1,130	1,119	285	427	341	66	530	14.6
Metropolitan counties .....	4,293	1,609	1,826	428	624	651	123	858	8.9
White .....	2,223	803	1,041	232	320	411	78	379	6.8
All other .....	2,070	806	785	196	304	240	45	479	13.4
Black .....	2,011	784	756	185	297	230	44	471	14.2
Nonmetropolitan counties .....	1,780	687	932	229	295	335	73	161	10.4
White .....	984	335	550	127	159	217	47	99	8.2
All other .....	796	352	382	102	136	118	26	62	15.4
Black .....	768	346	363	100	130	111	22	59	15.7
East South Central .....	1,955	737	1,155	273	377	443	62	63	8.7
White .....	1,119	379	691	146	232	268	45	43	7.0
All other .....	842	358	464	127	145	175	17	20	12.9
Black .....	829	354	456	126	143	170	17	19	13.2
Metropolitan counties .....	1,002	355	622	155	194	241	32	25	8.1
White .....	557	193	348	75	116	139	18	16	6.5
All other .....	445	162	274	80	78	102	14	9	12.0
Black .....	441	161	272	80	78	100	14	8	12.3
Nonmetropolitan counties .....	953	382	533	118	183	202	30	38	9.4
White .....	556	186	343	71	116	129	27	27	7.5
All other .....	397	196	190	47	67	73	3	11	14.2
Black .....	388	193	184	46	65	70	3	11	14.3
West South Central .....	3,226	989	1,830	399	613	759	105	407	7.0
White .....	2,216	668	1,308	241	413	574	80	240	6.2
All other .....	1,010	321	522	118	200	179	25	167	9.8
Black .....	927	300	481	113	185	161	22	146	10.6
Metropolitan counties .....	2,413	760	1,389	275	465	567	82	264	6.9
White .....	1,650	510	992	183	316	432	61	148	6.1
All other .....	763	250	397	92	149	135	21	116	9.7
Black .....	704	234	367	90	137	121	19	103	10.6
Nonmetropolitan counties .....	813	229	441	84	148	186	23	143	7.4
White .....	566	158	316	58	97	142	19	92	6.6
All other .....	247	71	125	26	51	44	4	51	10.0
Black .....	229	66	114	23	48	40	3	43	10.8
Mountain .....	1,539	589	890	185	280	373	52	60	6.6
White .....	1,287	494	742	147	234	323	38	51	6.3
All other .....	252	95	148	38	46	50	14	9	8.6
Black .....	118	59	55	19	19	10	7	2	12.2
Metropolitan counties .....	999	407	559	118	178	232	31	33	6.4
White .....	838	336	475	92	148	212	23	27	6.0
All other .....	161	71	84	26	30	20	8	6	9.6
Black .....	105	56	47	17	18	5	7	2	12.5
Nonmetropolitan counties .....	540	182	331	67	102	141	21	27	7.0
White .....	449	158	267	55	86	111	15	24	6.9
All other .....	91	24	64	12	16	30	6	3	7.2
Black .....	11	3	8	2	1	5	-	-	10.1
Pacific .....	4,465	1,208	2,369	470	798	942	159	888	6.6
White .....	3,207	824	1,784	322	587	747	128	599	6.1
All other .....	1,258	384	585	148	211	195	31	289	8.4
Black .....	712	207	293	78	113	87	15	212	11.9
Metropolitan counties .....	4,028	1,047	2,154	433	718	857	146	827	6.6
White .....	2,866	703	1,613	294	522	679	118	550	6.0
All other .....	1,162	344	541	139	196	178	28	277	8.4
Black .....	696	202	284	75	110	85	14	210	11.9
Nonmetropolitan counties .....	437	161	215	37	80	85	13	61	7.1
White .....	341	121	171	28	65	68	10	49	6.7
All other .....	96	40	44	9	15	17	3	12	8.8
Black .....	16	5	9	3	3	2	1	2	13.9

<sup>1</sup> Period of gestation reported in months allocated to gestation intervals in weeks as shown in the Technical Appendix.

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Table 3-7. Fetal-Death Ratios by Race: United States, Each Division and State, 1984-88

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix. Ratios per 1,000 live births in specified group]

Division and State	1988				1987				1986				1985				1984			
	All races	White	All other		All races	White	All other		All races	White	All other		All races	White	All other		All races	White	All other	
			Total	Black			Total	Black			Total	Black			Total	Black			Total	Black
United States	7.5	6.4	11.4	12.9	7.7	6.7	11.5	13.0	7.7	6.8	11.2	12.6	7.9	7.0	11.3	12.7	8.2	7.4	11.5	12.9
Geographic divisions:																				
New England:																				
Maine	6.8	6.1	33.8	100.0	5.7	5.6	8.7	8.9	5.9	5.9	5.5	10.3	6.2	6.3	3.2	-	7.1	7.0	12.0	9.7
New Hampshire	6.0	5.9	9.5	20.1	6.3	6.2	11.7	19.2	5.2	5.3	3.3	-	5.9	6.0	-	-	6.2	6.4	-	-
Vermont	5.9	6.0	-	-	6.2	6.2	-	-	5.4	5.5	-	-	7.1	7.2	-	-	8.0	7.8	26.0	-
Massachusetts	6.3	5.7	9.6	12.7	5.8	5.4	8.4	10.1	6.8	6.4	9.3	10.9	6.5	6.0	10.3	12.4	7.1	6.7	10.9	13.3
Rhode Island	6.9	6.5	9.4	10.3	6.3	5.9	9.5	10.8	8.0	7.8	10.9	12.5	7.7	7.2	12.7	17.1	7.3	8.0	1.5	2.3
Connecticut	6.8	5.9	11.4	12.0	6.6	6.1	9.8	11.0	6.3	5.4	11.9	12.5	7.1	6.7	9.7	10.6	7.3	6.9	9.9	10.5
Middle Atlantic:																				
New York	9.3	7.7	13.5	15.3	9.6	8.2	13.6	15.2	9.7	8.7	12.5	13.8	9.8	8.7	12.9	14.0	9.7	8.7	12.6	13.5
New Jersey	7.8	6.2	12.9	13.7	8.4	7.0	13.3	14.1	8.0	7.0	11.4	12.5	7.7	6.7	11.1	11.9	8.5	7.2	12.8	13.9
Pennsylvania	8.6	7.5	13.8	14.6	8.9	7.7	15.0	15.8	8.9	8.1	12.8	13.7	8.9	8.3	12.3	12.8	9.6	8.7	15.3	16.1
East North Central:																				
Ohio	7.0	6.4	9.6	9.9	7.4	6.7	11.1	11.4	7.2	6.8	10.1	10.1	7.6	6.9	11.5	12.0	7.5	6.7	11.9	11.9
Indiana	7.3	6.8	10.9	11.8	8.0	6.8	17.1	15.8	7.6	6.9	13.0	13.6	7.3	6.9	10.6	10.5	7.5	7.1	10.8	11.2
Illinois	7.4	6.1	11.1	11.8	7.6	6.3	11.4	12.3	7.5	6.3	11.4	11.5	8.0	6.8	12.1	12.5	8.3	7.0	12.4	13.0
Michigan	5.2	4.3	8.8	9.3	5.7	5.1	8.3	8.7	5.3	4.7	7.7	8.1	6.2	5.9	7.7	8.1	6.0	5.5	8.3	8.3
Wisconsin	6.0	5.2	11.5	13.8	6.2	5.8	8.9	10.9	6.4	5.9	10.9	13.5	6.3	5.6	12.6	14.1	7.0	6.5	11.8	13.5
West North Central:																				
Minnesota	6.6	6.3	9.3	12.3	6.1	5.7	9.7	12.6	6.0	6.1	5.2	6.6	6.6	6.5	7.7	10.5	7.0	6.7	10.9	12.4
Iowa	6.7	6.6	7.7	7.8	6.5	6.3	10.7	12.3	6.0	5.9	9.2	10.2	6.0	6.0	5.5	5.7	7.7	7.7	8.8	13.2
Missouri	6.7	6.1	9.7	10.1	6.9	6.1	11.1	11.4	6.3	5.6	9.6	10.1	6.8	6.1	10.1	10.5	7.3	6.6	10.6	11.1
North Dakota	6.7	5.9	13.4	7.3	5.9	6.0	5.5	13.7	6.8	6.5	10.4	-	5.5	5.5	6.3	6.9	6.6	6.4	8.7	7.8
South Dakota	6.5	6.1	8.4	17.9	6.5	5.8	9.9	-	6.4	6.2	7.0	16.8	6.3	5.9	8.0	-	7.7	7.1	10.9	9.9
Nebraska	6.8	6.4	10.8	14.0	7.5	7.0	13.0	14.7	7.3	6.8	12.9	15.0	7.3	7.2	9.0	9.6	7.2	6.9	10.9	11.8
Kansas	5.8	5.5	8.0	9.9	6.4	5.7	11.5	13.8	6.2	5.9	8.4	10.4	6.9	6.4	10.8	12.9	7.0	6.6	10.5	11.5
South Atlantic:																				
Delaware	6.1	5.5	7.7	8.3	7.8	5.7	13.9	14.9	8.0	6.3	13.0	13.3	6.8	5.5	10.0	10.1	8.4	8.2	9.0	9.5
Maryland	7.4	5.5	10.9	11.5	8.5	6.9	11.5	12.3	8.3	8.5	11.7	12.5	8.1	6.4	11.4	12.2	9.2	7.5	12.6	13.3
District of Columbia	12.7	10.2	13.2	14.2	12.1	10.1	12.6	13.7	12.6	5.4	14.1	14.7	12.2	5.1	13.7	14.2	15.0	12.3	15.6	15.7
Virginia	10.1	8.0	15.7	17.3	9.4	7.9	13.5	14.7	10.8	9.2	15.1	16.3	10.6	8.9	15.2	16.7	10.6	9.0	15.2	16.6
West Virginia	7.5	7.2	13.4	13.0	7.9	7.6	14.5	15.2	8.0	8.2	3.9	4.3	8.1	7.8	13.7	14.4	8.5	8.4	10.4	11.8
North Carolina	8.6	6.7	12.7	13.3	8.6	7.4	11.1	11.5	8.7	7.1	12.2	12.7	8.5	7.2	11.6	12.1	8.9	7.9	11.2	11.5
South Carolina	10.7	8.5	14.1	14.1	10.3	7.6	14.5	14.7	10.1	7.4	14.2	14.4	10.9	8.0	15.3	15.5	12.1	9.3	16.4	16.7
Georgia	11.3	8.4	16.2	16.6	12.0	9.3	16.8	17.2	11.2	8.8	15.5	15.8	12.2	10.1	16.1	16.4	11.5	9.5	14.9	15.1
Florida	8.6	6.7	14.0	14.6	8.2	6.4	13.7	14.1	8.5	6.7	13.5	14.0	8.7	7.2	13.1	13.6	9.5	7.7	14.7	14.9
East South Central:																				
Kentucky	8.6	8.1	12.2	12.9	8.0	7.5	12.6	13.0	8.0	7.3	13.7	14.3	8.5	8.0	13.2	13.8	7.9	7.4	12.5	13.1
Tennessee	6.5	5.1	10.8	10.9	6.6	5.8	9.0	9.0	7.1	6.0	10.5	10.7	7.4	6.7	9.8	9.7	7.6	7.2	8.9	9.0
Alabama	10.4	8.1	14.6	14.8	10.2	8.1	14.0	14.3	11.2	8.8	15.8	16.2	10.7	8.1	15.7	15.8	10.0	8.1	13.7	13.8
Mississippi	10.1	7.1	13.3	13.4	11.1	7.6	15.1	15.3	11.5	7.4	16.0	16.0	11.8	7.8	16.3	16.4	12.5	8.8	16.5	16.7
West South Central:																				
Arkansas	8.4	6.6	13.6	14.2	7.7	6.9	10.3	10.5	8.1	7.1	11.2	11.4	8.0	6.7	12.3	12.1	7.4	6.5	10.2	10.3
Louisiana	8.2	6.7	10.2	10.5	7.9	6.3	10.0	10.3	8.4	6.2	11.5	12.0	9.2	6.7	12.8	13.2	9.0	7.1	11.9	12.4
Oklahoma	7.3	7.0	8.4	10.5	7.9	7.1	10.6	14.8	7.8	7.6	8.5	11.1	7.6	7.3	8.5	10.2	8.4	8.2	9.5	11.8
Texas	6.5	6.0	9.2	10.0	7.0	6.5	9.5	10.3	7.0	6.5	9.8	10.4	7.2	6.8	9.4	10.1	8.2	7.7	11.0	11.9
Mountain:																				
Montana	7.6	7.1	10.4	-	7.8	7.8	7.5	15.6	7.5	6.7	12.5	-	7.0	6.6	9.6	-	7.9	8.0	7.7	14.5
Idaho	6.2	6.2	7.9	-	6.2	6.0	10.4	22.5	6.7	6.6	9.1	26.3	7.3	7.2	10.2	-	7.7	7.4	17.1	11.2
Wyoming	7.0	7.3	2.0	-	7.4	7.0	13.6	17.9	6.8	6.9	6.5	11.4	6.7	6.7	7.6	19.8	7.3	7.2	8.4	9.4
Colorado	7.6	7.2	11.3	13.0	8.4	8.2	10.6	13.3	7.9	7.7	9.5	11.7	8.9	8.8	9.9	9.9	9.3	9.1	12.3	15.5
New Mexico	5.7	5.4	7.3	12.8	4.7	4.5	5.2	7.1	4.3	4.3	4.4	7.3	5.9	6.0	5.7	4.3	6.8	7.1	5.4	4.7
Arizona	6.4	6.2	7.6	10.4	6.6	6.2	8.6	12.2	6.1	5.8	7.7	9.6	6.9	6.6	8.4	11.8	6.2	6.2	6.5	6.5
Utah	5.0	5.1	4.8	8.2	6.9	6.9	6.9	12.1	6.4	6.3	8.2	9.3	6.9	6.9	6.7	10.0	6.7	6.7	6.8	-
Nevada	7.8	6.9	12.2	16.2	7.4	6.9	9.6	10.6	7.7	7.2	9.6	11.0	6.6	6.4	7.3	9.7	6.9	5.8	12.2	20.0
Pacific:																				
Washington	5.2	5.0	7.0	9.2	5.9	5.6	7.6	10.6	6.3	6.3	8.4	6.9	5.8	5.5	7.8	10.8	6.5	6.4	7.2	8.1
Oregon	6.0	6.0	5.5	7.3	5.8	5.9	4.8	5.9	6.8	6.7	8.4	11.6	6.1	6.3	3.4	4.1	6.6	6.6	6.7	8.8
California	6.8	6.2	8.6	12.1	6.9	6.3	9.1	12.9	6.7	6.4	7.9	11.6	6.7	6.3	7.9	11.2	6.8	6.7	7.4	10.3
Alaska	6.1	4.4	9.3	18.7	6.1	5.3	7.7	6.8	7.6	6.0	11.2	9.4	6.6	6.9	5.8	5.1	5.9	6.2	5.4	11.7
Hawaii	9.0	10.7	8.4	9.0	7.1	9.1	6.4	11.1	9.9	9.7	9.9	13.0	8.9	8.0	9.2	11.1	7.9	6.9	8.2	11.8

<sup>1</sup> Ratio based on less than 20 fetal deaths.

<sup>2</sup> Minimum reporting requirements are assumed to exceed 20-weeks gestation; see Technical Appendix.







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Table 3-8. Fetal Deaths by State of Occurrence Distributed According to Resident Status: United States and Each State, 1988—Con.

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix. Unit of residence is defined as the county or county equivalent of which the mother was a resident. Data by place of residence exclude deaths occurring in the United States to nonresidents; however, data by place of occurrence include deaths to nonresidents]

State of occurrence	Fetal deaths to interstate nonresidents by State of residence																		Fetal deaths to non-residents of U.S.
	N.C.	N. Dak.	Ohio	Okla.	Oreg.	Pa.	R.I.	S.C.	S. Dak.	Tenn.	Tex.	Utah	Vt.	Va.	Wash.	W. Va.	Wis.	Wyo.	
United States ..	18	4	28	21	5	20	4	50	10	4	15	1	5	51	20	15	8	13	27
Alabama .....	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
Alaska .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arizona .....	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	6
Arkansas .....	-	-	-	7	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
California .....	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1
Colorado .....	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	6	1
Connecticut .....	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1
Delaware .....	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
District of Columbia ..	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	6
Florida .....	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	2
Georgia .....	1	-	-	-	-	-	-	37	-	-	-	-	-	1	-	-	-	-	-
Hawaii .....	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1
Idaho .....	-	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Illinois .....	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2	-	-
Indiana .....	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iowa .....	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Kansas .....	-	-	-	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Kentucky .....	-	-	3	3	-	-	-	-	-	2	1	-	-	-	-	1	-	-	-
Louisiana .....	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
Maine .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Maryland .....	1	-	-	-	-	5	-	-	-	-	-	-	-	4	-	4	-	-	-
Massachusetts .....	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Michigan .....	-	3	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Minnesota .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-
Mississippi .....	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Missouri .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana .....	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2	-
Nebraska .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nevada .....	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-
New Hampshire .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey .....	1	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	1
New Mexico <sup>1</sup> .....	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	3
New York .....	-	-	-	-	-	-	-	12	-	1	-	-	-	6	-	-	-	-	-
North Carolina .....	-	-	1	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
North Dakota .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio .....	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	5	-	-	1
Oklahoma .....	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Oregon .....	-	-	3	-	-	-	-	-	-	-	-	-	-	2	13	-	-	-	-
Pennsylvania .....	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Carolina .....	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota <sup>1</sup> .....	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Tennessee <sup>1</sup> .....	-	-	1	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-
Texas .....	-	1	1	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Utah .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
Vermont .....	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia .....	9	-	-	-	-	1	-	1	-	-	2	-	-	-	-	5	-	-	-
Washington .....	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia .....	1	-	15	-	-	7	-	-	-	-	-	-	-	8	-	-	-	-	-
Wisconsin .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

<sup>1</sup> Minimum reporting requirements are assumed to exceed 20 weeks gestation; see Technical Appendix.

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Table 3-9. Fetal Deaths by Month and Race: United States and Each State, 1988

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix]

Area and race	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
United States .....	29,442	2,349	2,269	2,350	2,429	2,582	2,549	2,613	2,688	2,484	2,482	2,371	2,298
White .....	19,626	1,575	1,508	1,579	1,648	1,705	1,721	1,725	1,773	1,638	1,618	1,582	1,554
All other .....	9,816	774	761	771	781	877	828	888	915	846	844	789	742
Black .....	8,675	692	674	651	692	786	734	797	811	756	752	685	645
Alabama .....	633	44	34	54	68	48	56	64	60	77	47	40	41
White .....	319	21	22	34	33	17	25	33	28	38	26	18	24
All other .....	314	23	12	20	35	31	31	31	32	39	21	22	17
Black .....	311	23	12	19	35	31	30	31	32	39	21	22	16
Alaska .....	69	8	3	10	3	4	5	7	9	7	3	7	3
White .....	32	6	1	5	2	1	1	6	3	2	1	3	1
All other .....	37	2	2	5	1	3	4	1	6	5	2	4	2
Black .....	12	-	-	1	1	-	2	-	4	1	-	1	2
Arizona .....	420	30	28	26	33	34	48	40	46	39	30	28	38
White .....	337	24	20	19	24	29	45	31	32	29	27	25	32
All other .....	83	6	8	7	9	5	3	9	14	10	3	3	6
Black .....	32	2	3	2	3	-	2	4	6	3	-	-	1
Arkansas .....	294	29	16	27	28	31	21	28	21	31	17	26	19
White .....	174	15	8	15	15	18	13	16	20	18	13	13	10
All other .....	120	14	8	12	13	13	8	12	1	13	4	13	9
Black .....	118	13	7	12	13	13	8	12	1	13	4	13	9
California .....	3,605	284	228	307	300	323	316	293	317	294	335	307	301
White .....	2,593	204	151	220	209	243	236	211	227	215	239	225	213
All other .....	1,012	80	77	87	91	80	80	82	90	79	96	82	88
Black .....	651	58	50	51	57	58	50	62	58	47	58	50	54
Colorado .....	404	45	31	29	30	40	27	36	34	28	34	32	38
White .....	347	36	26	22	24	33	25	33	31	23	30	29	35
All other .....	57	9	5	7	6	7	2	3	3	5	4	3	3
Black .....	41	5	5	6	3	5	2	3	1	3	4	3	1
Connecticut .....	326	18	31	28	33	28	25	30	28	22	25	30	28
White .....	240	17	22	24	29	16	16	17	21	18	21	16	23
All other .....	86	1	9	4	4	12	9	13	7	4	4	14	5
Black .....	78	1	9	3	4	12	9	11	7	4	4	9	5
Delaware .....	63	3	6	6	-	7	5	4	5	3	7	9	8
White .....	43	3	1	5	-	6	4	2	3	2	7	7	3
All other .....	20	-	5	1	-	1	1	2	2	1	-	2	5
Black .....	20	-	5	1	-	1	1	2	2	1	-	2	5
Florida .....	134	12	15	11	12	10	7	7	11	14	14	10	11
White .....	17	1	3	4	-	1	1	1	1	1	2	2	-
All other .....	117	11	12	7	12	9	6	6	10	13	12	8	11
Black .....	116	11	12	7	12	9	6	6	10	13	12	7	11
Georgia .....	1,578	135	125	104	131	133	118	143	145	122	142	150	130
White .....	909	73	71	57	88	79	61	85	81	63	86	91	74
All other .....	669	62	54	47	43	54	57	58	64	59	56	59	58
Black .....	652	61	51	45	42	51	57	57	62	59	55	57	55
Idaho .....	1,197	90	83	96	106	137	85	118	111	98	81	98	94
White .....	588	43	48	52	50	58	36	56	56	35	31	48	45
All other .....	639	47	35	44	56	79	49	62	55	63	50	50	49
Black .....	627	45	33	44	56	77	49	61	55	61	50	48	48
Illinois .....	171	7	10	12	14	12	16	17	18	21	15	10	19
White .....	49	1	4	2	5	4	5	5	5	8	3	3	6
All other .....	122	6	6	10	9	8	15	12	13	18	7	7	13
Black .....	8	-	1	1	2	-	-	-	-	1	1	1	1
Indiana .....	98	13	8	6	5	10	5	9	12	6	9	11	4
White .....	93	11	8	5	5	10	4	9	11	6	9	11	4
All other .....	5	2	-	1	-	-	1	-	1	-	-	-	-
Black .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Iowa .....	1,371	132	113	120	101	111	125	117	124	118	117	98	95
White .....	844	88	68	77	59	65	73	69	80	81	64	60	60
All other .....	527	44	45	43	42	46	52	48	44	37	53	38	35
Black .....	496	44	43	37	40	43	47	46	40	37	49	36	34
Kansas .....	589	39	51	35	58	49	40	52	67	58	44	50	56
White .....	486	31	41	31	45	39	33	43	59	48	33	36	47
All other .....	113	8	10	4	13	10	7	9	8	10	11	14	9
Black .....	112	8	10	4	13	10	7	9	8	10	11	14	8
Kentucky .....	254	18	21	20	28	22	23	18	33	13	22	18	18
White .....	240	18	19	20	26	20	22	16	33	13	20	17	16
All other .....	14	-	2	-	2	2	1	2	-	-	2	1	2
Black .....	9	-	1	-	1	1	1	2	-	-	1	1	1
Louisiana .....	226	17	20	14	21	12	16	28	17	22	23	15	21
White .....	187	14	16	12	17	10	15	24	11	20	18	14	16
All other .....	39	3	4	2	4	2	1	4	6	2	5	1	5
Black .....	36	3	4	2	4	2	1	3	5	2	4	1	5
Maine .....	438	31	27	37	31	30	36	51	49	33	39	39	35
White .....	370	25	21	32	25	27	33	42	42	27	34	32	30
All other .....	68	6	6	5	6	3	3	9	7	6	5	7	5
Black .....	66	6	5	5	6	3	3	9	6	6	5	7	5
Massachusetts .....	603	48	43	53	44	51	55	54	58	57	44	54	42
White .....	282	26	18	22	18	28	22	22	24	24	22	33	23
All other .....	321	22	25	31	26	23	33	32	34	33	22	21	19
Black .....	316	22	25	30	24	23	33	32	34	33	22	20	18

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Table 3-9. Fetal Deaths by Month and Race: United States and Each State, 1988—Con.

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix]

Area and race	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maine	116	11	7	12	7	7	10	8	13	10	14	8	9
White	108	10	7	11	7	6	9	6	8	9	14	7	9
All other	13	1	—	1	—	1	1	2	5	1	—	1	—
Black	12	—	—	1	—	1	1	2	5	1	—	1	—
Maryland	561	50	53	58	50	47	54	48	47	43	29	43	39
White	269	28	26	28	16	21	28	22	26	25	11	24	14
All other	282	22	27	30	34	26	26	26	21	18	18	19	15
Black	274	20	24	30	34	23	25	25	18	18	18	17	22
Massachusetts	554	41	44	34	46	64	44	64	49	37	42	48	41
White	435	33	35	27	40	45	37	47	37	30	34	35	35
All other	119	8	9	7	6	19	7	17	12	7	8	13	6
Black	109	8	8	7	4	19	6	16	11	5	8	11	6
Michigan	727	49	62	51	55	90	60	67	63	71	59	56	44
White	475	40	40	32	42	52	37	39	46	40	44	37	28
All other	252	9	22	19	13	38	23	28	17	31	15	19	18
Black	243	8	21	19	12	37	22	28	17	30	14	19	16
Minnesota	442	38	27	23	39	41	47	42	34	39	30	40	42
White	383	32	22	18	35	37	41	39	31	32	26	35	35
All other	59	6	5	5	4	4	6	3	3	7	4	5	7
Black	34	4	4	2	2	1	2	3	2	5	2	2	5
Mississippi	425	35	36	35	40	37	33	27	43	28	45	34	32
White	155	12	15	12	17	17	14	7	16	6	14	8	17
All other	270	23	21	23	23	20	19	20	27	22	31	26	15
Black	266	23	21	23	23	19	19	20	26	22	31	25	14
Missouri	514	46	41	50	35	52	46	37	52	42	36	39	38
White	381	30	28	35	26	41	38	27	33	34	27	32	30
All other	133	16	13	15	9	11	8	10	19	8	9	7	8
Black	128	16	13	14	9	10	8	9	19	8	9	6	7
Montana	89	5	5	7	6	12	5	11	7	10	7	8	6
White	70	2	4	5	6	9	4	7	7	10	6	6	4
All other	19	3	1	2	—	3	1	4	—	—	1	2	2
Black	—	—	—	—	—	—	—	—	—	—	—	—	—
Nebraska	162	9	19	12	14	16	14	15	4	15	18	12	14
White	139	9	17	10	12	15	11	13	2	13	17	10	10
All other	23	—	2	2	2	1	3	2	2	2	1	2	4
Black	20	—	—	2	2	1	2	2	2	2	1	2	4
Nevada	141	10	5	14	9	15	7	8	17	16	12	12	16
White	101	7	4	9	5	11	4	8	13	9	11	8	12
All other	40	3	1	5	4	4	3	—	4	7	1	4	4
Black	32	2	1	3	3	4	2	—	3	7	1	2	4
New Hampshire	105	11	7	5	8	12	10	6	11	9	9	8	11
White	100	11	7	4	8	10	9	6	11	9	9	6	10
All other	5	—	—	1	—	2	1	—	—	—	—	—	1
Black	3	—	—	—	—	1	1	—	—	—	—	—	1
New Jersey	921	70	60	75	88	70	88	78	62	83	85	89	73
White	559	44	36	43	60	43	51	52	31	47	47	55	50
All other	362	26	24	32	28	27	37	26	31	36	38	34	23
Black	326	24	22	27	25	25	36	24	29	32	30	32	20
New Mexico	155	8	14	13	14	16	11	15	17	12	15	14	6
White	118	7	10	11	11	9	8	10	13	11	14	9	5
All other	37	1	4	2	3	7	3	5	4	1	1	5	1
Black	9	1	1	2	2	1	1	1	—	—	—	—	—
New York	2,610	189	210	199	204	218	233	230	235	238	250	197	207
White	1,578	111	122	127	129	130	151	147	135	141	139	124	122
All other	1,032	78	88	72	75	88	82	83	100	97	111	73	85
Black	970	74	81	67	68	82	79	80	96	88	108	65	82
North Carolina	843	64	74	75	72	71	74	84	73	65	64	62	65
White	441	37	43	46	44	25	36	33	40	40	31	35	31
All other	402	27	31	29	28	46	38	51	33	25	33	27	34
Black	383	26	30	25	28	43	38	49	32	25	32	24	31
North Dakota	88	7	10	3	7	2	5	6	9	8	4	2	5
White	53	6	9	2	5	2	5	2	7	8	2	2	3
All other	15	1	1	1	2	—	—	4	—	—	2	—	2
Black	1	—	—	—	—	—	—	—	1	—	—	—	—
Ohio	1,118	89	91	85	102	86	111	104	99	95	93	76	87
White	856	68	70	66	74	67	90	80	71	71	71	58	70
All other	262	21	21	19	28	19	21	24	28	24	22	18	17
Black	252	21	21	19	26	18	19	22	26	24	21	18	17
Oklahoma	347	33	34	27	25	19	33	24	36	29	22	27	38
White	250	23	29	18	20	16	25	16	27	18	16	14	28
All other	97	10	5	9	5	3	8	8	9	11	6	13	10
Black	55	5	3	1	3	2	4	5	6	7	4	9	6
Oregon	240	13	22	26	20	17	23	27	15	21	19	21	16
White	222	12	21	22	20	12	23	25	16	18	18	21	15
All other	18	1	1	4	—	5	—	2	—	3	1	—	1
Black	8	—	—	1	—	4	—	—	—	2	—	—	1
Pennsylvania	1,429	121	116	115	117	115	125	119	136	108	116	128	119
White	1,033	86	94	83	83	89	95	80	87	84	72	98	82
All other	396	35	22	32	34	26	30	39	49	24	44	30	31
Black	377	35	20	30	31	25	29	39	46	22	41	29	30

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Table 3-9. Fetal Deaths by Month and Race: United States and Each State, 1988—Con.

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix]

Area and race	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Rhode Island	98	5	7	11	7	6	8	11	10	9	9	7	8
White	82	4	7	10	6	5	7	9	8	9	8	6	5
All other	16	1	-	1	1	1	1	2	2	-	3	1	3
Black	12	1	-	-	-	1	1	1	1	-	3	1	3
South Carolina	590	45	58	47	42	52	57	51	52	52	38	59	39
White	280	22	29	25	20	24	24	23	26	23	15	31	18
All other	310	23	29	22	22	28	33	28	26	29	21	28	21
Black	303	22	28	21	22	28	33	28	25	29	19	27	21
South Dakota <sup>1</sup>	73	3	9	7	4	4	7	8	8	5	6	4	8
White	56	2	5	3	4	4	6	7	7	3	5	4	6
All other	17	1	4	4	-	-	1	1	1	2	1	-	2
Black	2	-	-	-	-	-	-	-	-	1	-	-	1
Tennessee <sup>1</sup>	459	28	37	38	26	40	49	40	39	41	44	36	41
White	269	15	18	26	16	22	27	23	27	25	26	13	31
All other	190	13	19	12	10	18	22	17	12	16	18	23	10
Black	186	12	19	12	10	18	22	16	12	16	16	23	10
Texas	1,982	164	165	163	144	185	188	180	203	158	151	153	148
White	1,510	123	121	123	108	142	128	149	151	122	122	114	108
All other	472	41	44	40	36	43	42	31	52	35	29	39	40
Black	438	37	42	39	35	40	34	30	48	34	26	38	35
Utah	182	17	8	15	20	15	24	20	11	16	9	10	17
White	172	17	8	14	20	15	22	18	11	14	9	7	17
All other	10	-	-	1	-	-	2	2	-	2	-	3	-
Black	2	-	-	-	-	-	-	-	-	2	-	-	-
Vermont	48	6	3	5	6	7	4	2	5	2	3	3	2
White	48	6	3	5	6	7	4	2	5	2	3	3	2
All other	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	944	91	83	76	84	85	68	71	79	71	98	76	64
White	541	54	49	46	56	49	40	37	39	40	51	41	39
All other	403	37	34	30	28	36	26	34	40	31	47	35	25
Black	392	37	34	29	27	35	24	32	39	31	45	34	25
Washington	380	38	31	32	39	34	44	26	34	33	36	13	20
White	311	34	27	24	32	31	35	17	27	30	26	10	18
All other	69	4	4	8	7	3	9	9	7	3	10	3	2
Black	38	1	2	1	4	2	6	2	5	2	7	1	-
West Virginia	163	9	17	9	9	12	19	19	15	17	15	11	11
White	149	8	16	8	8	11	17	18	13	16	14	9	11
All other	14	1	1	1	1	1	2	1	2	1	1	2	-
Black	12	1	1	1	1	1	2	1	2	1	1	-	-
Wisconsin	423	36	17	29	41	38	39	42	38	33	34	44	32
White	318	21	14	24	35	29	29	28	28	25	23	36	28
All other	105	15	3	5	6	9	10	14	10	8	11	8	6
Black	92	12	2	5	5	8	10	12	9	6	11	7	5
Wyoming	50	5	4	4	3	5	2	7	7	5	4	1	3
White	49	4	4	4	3	5	2	7	7	5	4	1	3
All other	1	1	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-

<sup>1</sup> Minimum reporting requirements are assumed to exceed 20 weeks gestation; see Technical Appendix.

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Table 3-10. Fetal Deaths by Sex, Total-Birth Order, Race, and Age of Mother: United States, 1988

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more. Total-birth order refers to number of children ever born to mother, including all spontaneous fetal deaths and induced terminations of pregnancy for most States. See Technical Appendix]

Age of mother, race, and sex	Total	Total-birth order								
		1	2	3	4	5	6	7	8 and over	Not stated
All races .....	29,442	9,169	6,811	4,578	2,613	1,445	769	400	572	3,085
Under 15 years .....	144	118	9	2	-	-	-	-	-	15
15-19 years .....	4,215	2,567	884	253	75	24	3	2	1	408
20-24 years .....	7,742	2,793	2,039	1,175	565	257	115	44	36	718
25-29 years .....	8,248	2,129	2,053	1,457	858	440	236	104	103	868
30-34 years .....	5,870	1,124	1,294	1,084	680	424	238	124	184	718
35-39 years .....	2,599	369	458	504	357	224	135	94	166	292
40-44 years .....	587	67	70	101	74	71	40	32	71	61
45-49 years .....	37	2	4	2	4	5	2	-	11	7
Male .....	14,930	4,759	3,434	2,301	1,330	737	408	202	318	1,443
Under 15 years .....	86	71	7	1	-	-	-	-	-	7
15-19 years .....	2,164	1,348	452	126	38	15	1	1	1	182
20-24 years .....	3,908	1,472	987	567	315	136	50	21	15	345
25-29 years .....	4,181	1,056	1,063	746	432	236	134	50	55	409
30-34 years .....	2,960	587	655	535	335	215	130	68	112	323
35-39 years .....	1,302	191	230	264	175	96	65	48	92	141
40-44 years .....	308	33	39	61	33	36	24	14	34	34
45-49 years .....	21	1	1	1	2	3	2	-	9	2
Female .....	13,326	4,140	3,153	2,135	1,179	637	335	184	231	1,332
Under 15 years .....	53	44	2	1	-	-	-	-	-	6
15-19 years .....	1,879	1,133	398	118	34	9	2	1	-	184
20-24 years .....	3,532	1,234	971	566	235	108	56	21	20	321
25-29 years .....	3,757	1,019	943	671	392	182	93	51	42	364
30-34 years .....	2,642	504	595	514	308	190	103	52	65	311
35-39 years .....	1,189	171	211	226	168	115	66	44	67	121
40-44 years .....	262	34	30	38	41	32	15	15	36	21
45-49 years .....	12	1	3	1	1	1	-	-	1	4
Sex not stated .....	1,186	270	224	142	104	71	28	14	23	310
Under 15 years .....	5	3	-	-	-	-	-	-	-	2
15-19 years .....	172	86	34	9	3	-	-	-	-	40
20-24 years .....	302	87	81	42	15	13	9	2	3	52
25-29 years .....	310	54	47	40	34	22	9	3	6	95
30-34 years .....	268	33	44	35	37	19	5	4	7	84
35-39 years .....	108	7	17	14	13	13	4	2	7	30
40-44 years .....	17	-	2	2	3	1	1	3	1	6
45-49 years .....	4	-	-	-	1	1	-	-	1	1
White .....	19,626	6,287	4,710	3,075	1,622	863	442	223	327	2,077
Under 15 years .....	38	33	1	-	-	-	-	-	-	4
15-19 years .....	2,345	1,529	454	103	21	7	-	2	-	229
20-24 years .....	4,936	1,956	1,331	697	269	128	46	15	14	480
25-29 years .....	5,783	1,585	1,543	1,019	549	261	134	50	46	596
30-34 years .....	4,180	838	966	814	468	259	141	71	108	515
35-39 years .....	1,890	292	355	366	254	166	89	61	106	211
40-44 years .....	431	53	58	75	57	51	30	24	46	37
45-49 years .....	23	1	2	1	4	1	2	-	7	5
Male .....	9,876	3,252	2,351	1,555	820	432	228	117	184	937
Under 15 years .....	23	20	1	-	-	-	-	-	-	2
15-19 years .....	1,201	818	225	50	12	4	-	1	-	91
20-24 years .....	2,462	1,026	620	333	156	72	17	8	6	224
25-29 years .....	2,921	783	795	518	278	144	73	29	26	275
30-34 years .....	2,089	429	495	412	223	122	77	38	67	226
35-39 years .....	937	149	182	197	123	64	41	31	56	94
40-44 years .....	229	27	32	45	26	25	18	10	23	23
45-49 years .....	14	-	1	-	2	1	2	-	6	2
Female .....	8,973	2,872	2,202	1,430	744	393	198	99	131	904
Under 15 years .....	14	12	-	-	-	-	-	-	-	2
15-19 years .....	1,052	666	208	51	9	3	-	1	-	114
20-24 years .....	2,293	880	656	338	107	51	27	7	8	219
25-29 years .....	2,643	761	711	476	252	105	54	21	18	245
30-34 years .....	1,898	387	437	376	223	126	60	31	36	222
35-39 years .....	879	139	164	159	121	85	46	28	47	90
40-44 years .....	188	26	25	29	31	23	11	11	22	10
45-49 years .....	6	1	1	1	1	-	-	-	1	2
Sex not stated .....	777	163	157	90	58	38	16	7	12	236
Under 15 years .....	1	1	-	-	-	-	-	-	-	-
15-19 years .....	92	45	21	2	-	-	-	-	-	24
20-24 years .....	181	50	55	26	6	5	2	-	-	37
25-29 years .....	219	41	37	25	19	12	7	2	2	76
30-34 years .....	193	22	34	26	22	11	4	2	5	67
35-39 years .....	74	4	9	10	10	7	2	3	3	27
40-44 years .....	14	-	1	1	-	3	1	3	1	4
45-49 years .....	3	-	-	-	1	-	-	-	1	1



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Table 3-11: Fetal Deaths by Age of Mother and Race: United States and Each State, 1988

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix]

Area and race	Total	Age of mother							
		Under 15 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
United States	29,442	144	4,215	7,742	8,248	5,870	2,599	587	37
White	19,826	38	2,345	4,936	5,783	4,180	1,890	491	23
All other	9,816	106	1,870	2,806	2,465	1,690	709	156	14
Black	8,675	104	1,767	2,588	2,117	1,419	569	121	10
Alabama	633	2	116	230	146	94	38	7	-
White	319	-	47	109	80	50	29	4	-
All other	314	2	69	121	66	44	9	3	-
Black	311	2	69	120	64	44	9	3	-
Alaska	69	-	6	15	16	24	8	-	-
White	32	-	2	6	8	11	5	-	-
All other	37	-	4	9	8	13	3	-	-
Black	12	-	2	4	2	3	1	-	-
Arizona	420	1	61	113	123	67	47	8	-
White	337	1	46	91	103	51	38	7	-
All other	83	-	15	22	20	16	9	1	-
Black	32	-	8	9	8	6	1	-	-
Arkansas	294	2	57	90	79	40	21	5	-
White	174	-	32	55	50	27	9	1	-
All other	120	2	25	35	29	13	12	4	-
Black	118	2	25	34	28	13	12	3	-
California	3,605	9	491	878	1,067	720	994	98	8
White	2,593	6	305	623	790	516	284	75	4
All other	1,012	3	126	255	287	204	110	23	4
Black	651	3	106	184	175	121	55	6	1
Colorado	404	2	36	111	121	87	40	7	-
White	347	2	30	92	109	79	35	6	-
All other	57	-	6	19	18	8	5	1	-
Black	41	-	6	15	11	7	1	1	-
Connecticut	326	2	31	71	86	78	50	7	1
White	240	1	20	41	66	66	44	2	-
All other	86	1	11	30	20	12	6	5	1
Black	78	1	11	29	18	10	4	4	1
Delaware	63	-	10	19	17	14	3	-	-
White	43	-	2	15	10	13	3	-	-
All other	20	-	8	4	7	1	-	-	-
Black	20	-	8	4	7	1	-	-	-
District of Columbia	134	2	19	37	35	26	11	4	-
White	17	-	1	3	5	2	4	2	-
All other	117	2	18	34	30	24	7	2	-
Black	116	2	18	33	30	24	7	2	-
Florida	1,578	15	271	414	427	289	128	33	1
White	909	4	115	230	262	187	89	21	1
All other	669	11	156	184	165	102	39	12	-
Black	652	11	154	176	165	98	36	12	-
Georgia	1,197	7	209	390	304	189	85	12	1
White	558	1	84	168	154	98	45	8	-
All other	639	6	125	222	150	91	40	4	1
Black	627	6	125	220	144	89	38	4	1
Hawaii	171	1	20	37	49	45	15	3	1
White	49	-	2	7	21	11	7	1	-
All other	122	1	18	30	28	34	8	2	1
Black	8	-	-	4	4	-	-	-	-
Idaho	98	-	14	30	32	11	10	1	-
White	93	-	14	28	29	11	10	1	-
All other	5	-	-	2	3	-	-	-	-
Black	-	-	-	-	-	-	-	-	-
Illinois	1,371	8	229	315	403	281	105	30	-
White	844	1	95	192	275	192	70	19	-
All other	527	7	134	123	128	89	35	11	-
Black	496	7	133	115	114	84	33	10	-
Indiana	599	3	90	155	181	114	41	12	3
White	486	1	68	120	158	93	35	10	1
All other	113	2	22	35	23	21	6	2	2
Black	112	2	22	34	23	21	6	2	2
Iowa	254	-	24	71	81	48	25	5	-
White	240	-	20	70	75	48	22	5	-
All other	14	-	4	1	6	-	3	-	-
Black	9	-	3	1	4	-	1	-	-
Kansas	226	-	29	62	58	48	22	7	-
White	187	-	22	51	48	38	21	7	-
All other	39	-	7	11	10	10	1	-	-
Black	36	-	7	9	9	10	1	-	-
Kentucky	438	2	76	147	113	66	29	5	-
White	370	-	66	128	100	52	25	4	-
All other	68	2	10	24	13	14	4	1	-
Black	66	2	10	23	13	14	4	-	-
Louisiana	603	7	107	174	156	107	42	10	-
White	282	1	38	79	81	58	18	7	-
All other	321	6	69	95	75	49	24	3	-
Black	316	6	69	94	74	46	24	3	-



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Table 3-11. Fetal Deaths by Age of Mother and Race: United States and Each State, 1988—Con.

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix.]

Area and race	Total	Age of mother							
		Under 15 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
Maine	116	-	16	26	33	31	7	3	-
White	103	-	15	23	31	25	6	3	-
All other	13	-	1	3	2	6	1	-	-
Black	12	-	1	2	2	6	1	-	-
Maryland	561	4	82	132	176	120	36	11	-
White	269	-	30	51	91	66	22	9	-
All other	292	4	52	81	85	54	14	2	-
Black	274	4	52	76	79	48	13	2	-
Massachusetts	554	3	44	124	177	130	67	9	-
White	435	2	30	87	140	109	58	9	-
All other	119	1	14	37	37	21	9	-	-
Black	109	1	14	34	33	20	7	-	-
Michigan	727	3	104	208	197	144	61	9	1
White	475	1	56	133	138	98	45	4	-
All other	252	2	48	75	59	46	16	5	1
Black	243	2	47	74	54	44	16	5	1
Minnesota	442	1	47	97	148	102	37	10	-
White	383	-	34	79	136	93	32	9	-
All other	59	1	13	18	12	9	5	1	-
Black	34	1	9	12	4	5	3	-	-
Mississippi	425	10	98	134	101	47	25	10	-
White	155	-	23	49	43	25	12	3	-
All other	270	10	75	85	58	22	13	7	-
Black	268	10	74	84	57	21	13	7	-
Missouri	514	3	81	142	148	99	34	7	-
White	381	-	51	105	115	76	30	4	-
All other	133	3	30	37	33	23	4	3	-
Black	128	3	30	35	30	23	4	3	-
Montana	89	1	12	23	25	22	5	1	-
White	70	-	9	17	20	20	4	-	-
All other	19	1	3	6	5	2	1	1	-
Black	-	-	-	-	-	-	-	-	-
Nebraska	162	-	21	42	47	38	12	2	-
White	139	-	15	33	46	31	12	2	-
All other	23	-	6	9	1	7	-	-	-
Black	20	-	6	8	1	5	-	-	-
Nevada	141	-	18	40	36	28	16	3	-
White	101	-	12	24	30	22	11	2	-
All other	40	-	6	16	6	6	5	1	-
Black	32	-	5	14	4	4	4	1	-
New Hampshire	105	-	13	25	35	23	8	1	-
White	100	-	13	24	33	22	7	1	-
All other	5	-	-	1	2	1	1	-	-
Black	8	-	-	1	1	-	1	-	-
New Jersey	921	6	106	189	273	229	93	23	2
White	559	1	39	110	163	163	68	13	2
All other	362	5	67	79	110	66	25	10	-
Black	326	5	67	77	94	55	20	8	-
New Mexico	155	-	28	42	43	25	15	2	-
White	118	-	20	33	30	21	13	1	-
All other	37	-	8	9	13	4	2	1	-
Black	9	-	1	4	3	1	-	-	-
New York	2,610	8	236	587	738	675	287	71	8
White	1,578	4	116	336	454	441	176	45	6
All other	1,032	4	120	251	284	234	111	26	2
Black	970	4	118	247	259	214	101	25	2
North Carolina	843	8	164	254	231	124	52	10	-
White	441	1	63	126	133	82	29	7	-
All other	402	7	101	128	98	42	23	3	-
Black	383	7	98	124	90	39	22	3	-
North Dakota	68	-	10	23	21	9	2	2	1
White	53	-	7	18	16	7	2	2	1
All other	15	-	3	5	5	2	-	-	-
Black	1	-	-	1	-	-	-	-	-
Ohio	1,118	7	174	308	313	212	89	16	1
White	856	1	112	233	247	173	74	15	1
All other	262	6	62	73	66	39	15	1	-
Black	252	6	61	71	64	36	13	1	-
Oklahoma	347	1	64	93	92	67	22	8	-
White	250	-	50	62	68	51	13	6	-
All other	97	1	14	31	24	16	9	2	-
Black	55	1	7	21	15	7	2	2	-
Oregon	240	-	32	59	57	49	41	2	-
White	222	-	27	55	53	48	39	2	-
All other	18	-	5	4	4	3	2	-	-
Black	8	-	3	3	2	-	-	-	-
Pennsylvania	1,429	4	184	361	396	318	133	31	2
White	1,033	3	109	230	306	247	111	26	1
All other	396	1	75	131	90	71	22	5	1
Black	377	1	72	127	86	66	19	5	1

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Table 3-11. Fetal Deaths by Age of Mother and Race: United States and Each State, 1988—Con.

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix]

Area and race	Total	Age of mother							
		Under 15 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
Rhode Island	98	-	15	19	26	24	13	1	-
White	82	-	8	19	21	22	11	1	-
All other	16	-	7	-	5	2	2	-	-
Black	12	-	7	-	3	2	-	-	-
South Carolina	590	3	94	167	172	102	44	8	-
White	280	-	33	80	93	50	17	7	-
All other	310	3	61	87	79	52	27	1	-
Black	303	3	60	85	77	50	27	1	-
South Dakota <sup>1</sup>	73	-	8	10	24	23	7	1	-
White	56	-	6	8	16	20	3	1	-
All other	17	-	2	2	6	3	4	-	-
Black	2	-	-	-	-	1	1	-	-
Tennessee <sup>1</sup>	459	1	86	140	111	69	44	7	1
White	269	-	44	76	68	44	31	5	1
All other	190	1	42	64	43	25	13	2	-
Black	186	1	40	63	43	24	13	2	-
Texas	1,982	8	329	532	537	376	152	44	4
White	1,510	2	219	401	437	286	123	39	3
All other	472	6	110	131	100	90	29	5	1
Black	438	6	107	125	93	75	27	4	1
Utah	182	-	17	56	50	42	15	2	-
White	172	-	17	53	49	37	15	1	-
All other	10	-	-	3	1	-	-	1	-
Black	2	-	-	-	-	2	-	-	-
Vermont	48	-	6	10	15	12	5	-	-
White	48	-	6	10	15	12	5	-	-
All other	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-
Virginia	944	3	145	283	248	179	73	13	-
White	541	-	67	150	147	118	47	12	-
All other	403	3	78	133	101	61	26	1	-
Black	392	3	78	131	98	56	26	-	-
Washington	380	3	45	84	114	77	43	14	-
White	311	2	37	70	90	65	37	10	-
All other	69	1	8	14	24	12	6	4	-
Black	33	1	4	8	9	7	2	2	-
West Virginia	163	1	34	60	35	16	14	3	-
White	149	1	31	55	31	16	12	3	-
All other	14	-	3	5	4	-	2	-	-
Black	12	-	3	5	3	-	1	-	-
Wisconsin	423	3	63	100	117	99	30	9	2
White	318	2	34	69	95	78	29	9	2
All other	105	1	29	31	22	21	1	-	-
Black	92	1	27	28	19	17	-	-	-
Wyoming	50	-	3	15	18	11	3	-	-
White	49	-	3	14	18	11	3	-	-
All other	1	-	-	1	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-

<sup>1</sup> Minimum reporting requirements are assumed to exceed 20 weeks gestation; see Technical Appendix.

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Table 3-12. Fetal Deaths by Total-Birth Order and Race: United States and Each State, 1988

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more. Total-birth order refers to number of children ever born to mother, including all spontaneous fetal deaths and induced terminations of pregnancy for most States. See Technical Appendix.]

Area and race	Total	Total-birth order								
		1	2	3	4	5	6	7	8 and over	Not stated
United States .....	29,442	9,169	6,811	4,578	2,613	1,445	769	400	572	3,085
White .....	19,626	6,287	4,710	3,075	1,622	863	442	223	327	2,077
All other .....	9,816	2,882	2,101	1,503	991	582	327	177	245	1,008
Black .....	8,675	2,519	1,833	1,324	893	520	291	154	210	831
Alabama .....	633	241	176	85	46	40	14	6	5	20
White .....	319	120	91	46	22	19	5	5	2	9
All other .....	314	121	85	39	24	21	9	1	3	11
Black .....	311	119	85	38	24	21	9	1	3	11
Alaska .....	69	22	19	10	2	5	1	1	3	6
White .....	32	11	9	5	2	2	-	-	2	1
All other .....	37	11	10	5	-	3	1	1	1	5
Black .....	12	6	2	2	-	-	-	-	-	2
Arizona .....	420	119	117	74	41	26	15	8	10	10
White .....	337	99	96	62	32	15	10	5	8	10
All other .....	83	20	21	12	9	11	5	3	2	-
Black .....	32	8	8	6	3	6	1	-	-	-
Arkansas .....	294	107	62	45	30	17	7	8	10	8
White .....	174	73	31	28	19	10	5	3	4	1
All other .....	120	34	31	17	11	7	2	5	6	7
Black .....	118	33	31	17	11	7	2	5	6	6
California .....	3,605	1,175	739	594	334	192	104	62	105	300
White .....	2,593	865	545	426	241	145	66	42	75	188
All other .....	1,012	310	194	168	93	47	38	20	30	112
Black .....	651	181	118	102	68	35	26	12	20	89
Colorado .....	404	121	104	66	52	23	14	6	7	11
White .....	347	108	91	57	43	18	12	4	5	9
All other .....	57	13	13	9	9	5	2	2	2	2
Black .....	41	9	10	7	6	4	1	2	1	1
Connecticut .....	326	68	39	26	20	5	1	2	2	163
White .....	240	48	29	20	15	4	1	-	-	123
All other .....	86	20	10	6	5	1	2	2	2	40
Black .....	78	17	10	6	4	1	-	2	1	37
Delaware .....	63	18	20	7	7	1	1	1	1	7
White .....	43	12	15	3	5	1	-	1	1	5
All other .....	20	6	5	4	2	-	1	-	-	2
Black .....	20	6	5	4	2	-	1	-	-	2
District of Columbia .....	134	55	28	14	12	3	3	-	2	17
White .....	17	5	2	4	3	-	-	-	-	3
All other .....	117	50	26	10	9	3	3	-	2	14
Black .....	116	49	26	10	9	3	3	-	2	14
Florida .....	1,578	577	362	221	114	57	42	22	20	163
White .....	909	388	217	126	57	17	20	7	8	88
All other .....	669	189	145	95	57	40	22	15	12	94
Black .....	652	186	137	92	56	40	22	15	12	82
Georgia .....	1,187	370	318	199	124	58	32	19	22	55
White .....	558	190	142	94	52	23	13	8	5	31
All other .....	639	180	176	105	72	35	19	11	17	24
Black .....	627	176	173	102	71	35	19	11	16	24
Hawaii .....	171	49	47	33	16	13	8	2	2	1
White .....	49	13	13	11	5	2	4	2	1	-
All other .....	122	36	34	22	11	11	4	2	1	1
Black .....	8	1	5	1	1	-	-	-	-	-
Idaho .....	98	25	27	15	7	11	4	2	4	3
White .....	93	23	25	15	7	11	3	2	4	3
All other .....	5	2	2	-	-	-	1	-	-	-
Black .....	-	-	-	-	-	-	-	-	-	-
Illinois .....	1,371	494	320	214	134	74	39	13	15	68
White .....	844	316	212	138	77	44	16	7	5	29
All other .....	527	178	108	76	57	30	23	6	10	39
Black .....	496	163	99	72	57	30	22	6	10	37
Indiana .....	599	186	164	94	48	29	15	6	14	43
White .....	486	161	134	76	37	20	10	5	12	31
All other .....	113	25	30	18	11	9	5	1	2	12
Black .....	112	25	30	18	10	9	5	1	2	12
Iowa .....	254	68	74	50	33	18	6	2	2	1
White .....	240	62	72	47	30	18	6	2	2	1
All other .....	14	6	2	3	3	-	-	-	-	-
Black .....	9	3	2	2	2	-	-	-	-	-
Kansas .....	226	65	57	42	22	15	8	7	7	3
White .....	187	58	49	33	18	12	4	5	5	3
All other .....	39	7	8	9	4	3	4	2	2	-
Black .....	36	7	7	7	4	3	4	2	2	-
Kentucky .....	498	164	118	81	27	20	5	2	9	14
White .....	370	145	98	69	22	14	3	8	8	11
All other .....	68	19	18	12	5	6	2	2	1	3
Black .....	68	18	17	12	5	6	2	2	1	3
Louisiana .....	603	216	155	98	61	29	16	7	4	17
White .....	282	112	87	47	20	8	3	3	2	-
All other .....	321	104	68	51	41	21	13	4	2	17
Black .....	316	100	68	51	41	21	13	3	2	17

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Table 3-12. Fetal Deaths by Total-Birth Order and Race: United States and Each State, 1988—Con.

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more. Total-birth order refers to number of children ever born to mother, including all spontaneous fetal deaths and induced terminations of pregnancy for most States. See Technical Appendix.]

Area and race	Total	Total-birth order								
		1	2	3	4	5	6	7	8 and over	Not stated
Maine .....	116	23	23	19	12	7	1	-	1	30
White .....	103	23	20	18	12	7	1	-	1	21
All other .....	13	-	3	1	-	-	-	-	-	9
Black .....	12	-	3	-	-	-	-	-	-	9
Maryland .....	561	161	116	81	78	25	23	5	9	63
White .....	269	86	61	37	32	12	10	1	2	28
All other .....	292	75	55	44	46	13	13	4	7	35
Black .....	274	67	50	43	42	13	13	4	7	35
Massachusetts .....	554	169	159	94	62	33	15	6	8	8
White .....	435	136	128	77	45	24	10	4	6	6
All other .....	119	34	31	17	17	9	5	2	2	2
Black .....	109	33	30	12	16	8	5	1	2	2
Michigan .....	727	265	159	125	62	28	18	14	18	38
White .....	475	164	118	100	36	14	13	10	9	11
All other .....	252	101	41	25	26	14	5	4	9	27
Black .....	243	97	39	25	25	13	4	4	9	27
Minnesota .....	442	127	116	71	44	22	18	6	9	29
White .....	383	116	101	63	35	18	15	4	5	27
All other .....	59	12	15	8	9	4	3	2	4	2
Black .....	34	7	11	6	1	2	1	2	3	1
Mississippi .....	425	158	99	65	49	19	12	5	5	13
White .....	165	62	37	24	20	4	2	-	-	6
All other .....	270	96	62	41	29	15	10	5	5	7
Black .....	266	95	60	40	29	15	10	5	5	7
Missouri .....	514	172	139	87	56	21	14	6	9	10
White .....	381	123	111	66	41	13	9	4	4	10
All other .....	133	49	28	21	15	8	5	2	5	-
Black .....	128	46	27	21	15	7	5	2	5	-
Montana .....	89	20	20	20	15	3	6	2	2	1
White .....	70	17	15	16	12	1	5	2	1	1
All other .....	19	3	5	4	3	2	1	-	-	-
Black .....	-	-	-	-	-	-	-	-	-	-
Nebraska .....	162	55	39	34	14	4	7	2	4	3
White .....	139	46	36	32	9	3	5	2	3	3
All other .....	23	9	3	2	5	1	2	-	1	-
Black .....	20	8	3	2	3	1	2	-	1	-
Nevada .....	141	35	33	22	10	4	1	5	3	28
White .....	101	23	29	15	5	3	-	2	3	24
All other .....	40	12	4	7	5	1	1	3	3	4
Black .....	32	10	2	6	4	-	1	3	3	3
New Hampshire .....	105	29	35	18	12	4	4	-	-	3
White .....	100	28	34	16	12	4	4	-	-	2
All other .....	5	1	1	2	-	-	-	-	-	1
Black .....	3	1	-	1	-	-	-	-	-	1
New Jersey .....	921	205	148	108	45	35	15	9	16	340
White .....	559	135	99	70	29	19	8	5	11	183
All other .....	362	70	49	38	16	16	7	4	5	157
Black .....	326	57	40	37	14	15	7	3	5	148
New Mexico .....	155	53	36	19	9	9	5	2	5	17
White .....	118	45	23	15	6	5	5	1	3	15
All other .....	37	8	13	4	3	4	-	1	2	2
Black .....	9	1	4	2	-	1	-	-	-	1
New York .....	2,610	393	255	246	174	124	73	34	63	1,248
White .....	1,578	190	128	125	71	46	25	9	23	961
All other .....	1,032	203	127	121	103	78	48	25	40	287
Black .....	970	186	115	116	97	78	46	23	37	274
North Carolina .....	843	303	245	152	59	33	11	11	9	20
White .....	441	158	145	80	23	15	7	2	6	6
All other .....	402	145	100	72	36	18	4	9	4	14
Black .....	383	135	98	69	35	17	3	9	4	13
North Dakota .....	68	25	19	13	6	1	2	-	2	-
White .....	53	21	13	10	6	1	-	-	2	-
All other .....	15	4	6	3	-	-	2	-	-	-
Black .....	1	-	1	-	-	-	-	-	-	-
Ohio .....	1,118	335	293	198	92	61	29	17	29	64
White .....	856	271	220	148	67	47	22	10	20	51
All other .....	262	64	73	50	25	14	7	7	9	13
Black .....	252	63	68	49	25	12	7	7	9	12
Oklahoma .....	347	81	66	53	29	12	3	4	6	93
White .....	250	62	49	37	21	7	2	2	3	67
All other .....	97	19	17	16	8	5	1	2	3	26
Black .....	55	14	8	8	3	2	1	1	1	18
Oregon .....	240	63	70	41	28	14	9	7	6	2
White .....	222	59	62	36	28	14	8	7	6	2
All other .....	18	4	8	5	-	-	-	-	-	-
Black .....	8	3	2	3	-	-	-	-	-	-
Pennsylvania .....	1,429	458	347	256	142	90	48	25	39	24
White .....	1,033	358	266	182	101	54	28	16	15	13
All other .....	396	100	81	74	41	36	20	9	24	11
Black .....	377	91	76	70	41	36	20	9	23	11

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**Table 3-12. Fetal Deaths by Total-Birth Order and Race: United States and Each State, 1988—Con.**

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more. Total-birth order refers to number of children ever born to mother, including all spontaneous fetal deaths and induced terminations of pregnancy for most States. See Technical Appendix]

Area and race	Total	Total-birth order								
		1	2	3	4	5	6	7	8 and over	Not stated
Rhode Island	98	30	18	16	9	7	3	2	1	12
White	82	25	17	12	7	5	3	1	1	11
All other	16	5	1	4	2	2	-	1	-	1
Black	12	4	1	3	1	1	-	1	-	1
South Carolina	590	188	169	107	57	38	15	8	5	3
White	280	93	85	47	22	16	5	1	-	1
All other	310	95	74	60	35	22	10	7	5	2
Black	303	92	72	59	34	22	10	7	5	2
South Dakota <sup>1</sup>	73	19	14	13	9	4	5	2	6	1
White	56	16	13	12	7	-	4	1	2	1
All other	17	3	1	1	2	4	1	1	4	-
Black	2	-	-	-	-	1	-	-	1	-
Tennessee <sup>1</sup>	459	157	125	86	47	19	8	5	6	6
White	269	97	84	45	17	13	2	2	3	6
All other	190	60	41	41	30	6	6	3	3	-
Black	186	58	40	40	30	6	6	3	3	-
Texas	1,982	777	547	298	165	67	38	20	20	50
White	1,510	587	415	224	129	51	31	15	18	40
All other	472	190	132	74	36	16	7	5	2	10
Black	438	176	120	69	36	14	7	5	2	9
Utah	182	48	43	26	13	22	8	9	13	-
White	172	45	41	25	13	21	6	9	12	-
All other	10	3	2	1	-	1	2	-	1	-
Black	2	-	-	-	-	-	2	-	-	-
Vermont	48	15	18	6	5	2	1	-	-	1
White	48	15	18	6	5	2	1	-	-	1
All other	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-
Virginia	944	332	255	165	83	50	17	8	9	25
White	541	199	155	92	34	24	8	6	7	16
All other	403	133	100	73	49	26	9	2	2	9
Black	392	127	97	73	48	25	9	2	2	9
Washington	380	118	80	65	35	17	12	3	11	39
White	311	99	67	50	28	14	12	2	6	33
All other	69	19	13	15	7	3	-	1	5	6
Black	33	12	7	5	4	1	-	-	3	1
West Virginia	163	68	51	25	12	4	-	-	1	2
White	149	64	48	22	9	3	-	-	1	2
All other	14	4	3	3	3	1	-	-	-	-
Black	12	4	2	2	3	1	-	-	-	-
Wisconsin	423	130	116	75	44	25	11	7	19	2
White	318	101	90	60	27	15	8	6	9	2
All other	105	29	26	15	17	10	3	1	4	-
Black	92	25	24	14	13	10	3	1	2	-
Wyoming	50	17	14	6	6	5	2	-	-	-
White	49	16	14	6	6	5	2	-	-	-
All other	1	1	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-

<sup>1</sup> Minimum reporting requirements are assumed to exceed 20 weeks gestation; see Technical Appendix.

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Table 3-13. Fetal Deaths by Place of Delivery, Gestation Group, and Race: United States and Each State, 1988

[Fetal deaths include only those for which the stated or presumed period of gestation was 20 weeks or more. Group IV includes fetal deaths with gestation period not stated, but presumed to be 20 weeks or more. For definition of Groups II, III, and IV, see Technical Appendix.]

Area and race	All fetal deaths in Groups II, III, and IV			Group II - fetal deaths of 20-27 weeks gestation <sup>1</sup>			Group III - fetal deaths of 28 weeks gestation or more <sup>2</sup>		
	Total	In hospital	Not in hospital	Total	In hospital	Not in hospital	Total	In hospital	Not in hospital
United States	29,442	28,920	499	10,279	10,107	164	15,297	15,119	179
White	19,626	19,323	287	6,515	6,421	86	10,786	10,669	113
All other	9,816	9,597	212	3,764	3,686	76	4,511	4,450	60
Black	8,675	8,476	191	3,418	3,349	67	3,872	3,817	54
Alabama	639	615	18	290	279	11	341	335	6
White	319	313	6	135	131	4	164	162	2
All other	314	302	12	155	148	7	157	153	4
Black	311	299	12	154	147	7	155	151	4
Alaska	69	68	-	24	24	-	29	29	-
White	32	32	-	12	12	-	16	16	-
All other	37	36	-	12	12	-	13	13	-
Black	12	12	-	4	4	-	5	5	-
Arizona	420	412	7	159	156	3	248	245	3
White	337	331	5	134	131	3	192	190	2
All other	89	81	2	25	25	-	56	55	1
Black	32	31	1	12	12	-	20	19	1
Arkansas	294	284	10	76	71	5	160	157	3
White	174	170	4	46	44	2	96	95	1
All other	120	114	6	30	27	3	64	62	2
Black	118	112	6	29	26	3	63	61	2
California	3,605	3,546	59	922	916	6	1,946	1,928	18
White	2,593	2,549	43	636	632	4	1,467	1,452	15
All other	1,012	996	16	286	284	2	479	476	3
Black	651	638	13	188	187	1	270	268	2
Colorado	404	398	5	190	176	14	223	221	2
White	347	341	5	148	144	3	199	197	2
All other	57	57	-	32	32	-	24	24	-
Black	41	41	-	29	29	-	12	12	-
Connecticut	326	314	8	85	83	1	107	104	2
White	240	234	3	57	57	-	82	81	1
All other	86	80	5	28	26	1	25	23	2
Black	78	72	5	26	24	1	22	20	2
Delaware	63	62	1	22	21	1	31	31	-
White	43	42	1	16	15	1	20	20	-
All other	20	20	-	6	6	-	11	11	-
Black	20	20	-	6	6	-	11	11	-
District of Columbia	134	132	2	41	41	-	35	35	-
White	17	17	-	6	6	-	2	2	-
All other	117	115	2	35	35	-	33	33	-
Black	116	114	2	35	35	-	32	32	-
Florida	1,578	1,549	29	367	363	4	661	656	5
White	909	897	12	217	215	2	430	427	3
All other	669	652	17	150	148	2	231	229	2
Black	652	636	16	146	144	2	221	220	1
Georgia	1,197	1,185	12	620	615	5	554	548	6
White	558	555	3	274	274	-	276	273	3
All other	639	630	9	346	341	5	278	275	3
Black	627	618	9	342	337	5	271	268	3
Hawaii	171	170	1	92	91	1	77	77	-
White	49	49	-	28	28	-	20	20	-
All other	122	121	1	64	63	1	57	57	-
Black	8	8	-	6	6	-	2	2	-
Idaho	98	93	5	38	36	2	58	56	2
White	93	89	4	34	33	1	57	55	2
All other	5	4	1	4	3	1	1	1	-
Black	-	-	-	-	-	-	-	-	-
Illinois	1,371	1,348	23	378	374	4	666	660	6
White	644	633	11	228	226	2	443	440	3
All other	527	515	12	150	148	2	223	220	3
Black	496	484	12	140	138	2	207	204	3
Indiana	599	586	13	195	192	3	343	338	5
White	486	475	11	163	161	2	274	270	4
All other	113	111	2	32	31	1	69	68	1
Black	112	110	2	31	30	1	69	68	1
Iowa	254	251	2	74	73	-	164	162	2
White	240	237	2	66	65	-	158	156	2
All other	14	14	-	8	8	-	6	6	-
Black	9	9	-	6	6	-	3	3	-
Kansas	228	220	6	64	53	1	109	106	3
White	187	182	5	45	45	-	96	93	3
All other	39	38	1	9	8	1	13	13	-
Black	36	35	1	9	8	1	11	11	-
Kentucky	438	429	8	141	138	2	256	251	5
White	370	362	7	116	114	1	222	217	5
All other	68	67	1	25	24	1	34	34	-
Black	66	66	-	24	24	-	33	33	-
Louisiana	603	594	9	172	167	5	289	287	2
White	282	278	4	82	80	2	145	145	-
All other	321	316	5	90	87	3	144	142	2
Black	316	311	5	88	85	3	142	140	2

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Table 3-13. Fetal Deaths by Place of Delivery, Gestation Group, and Race: United States and Each State, 1988—Con.

[Fetal deaths include only those for which the stated or presumed period of gestation was 20 weeks or more. Group IV includes fetal deaths with gestation period not stated, but presumed to be 20 weeks or more. For definition of Groups II, III, and IV, see Technical Appendix]

Area and race	All fetal deaths In Groups II, III, and IV			Group II - fetal deaths of 20-27 weeks gestation <sup>1</sup>			Group III - fetal deaths of 28 weeks gestation or more <sup>1</sup>		
	Total	In hospital	Not in hospital	Total	In hospital	Not in hospital	Total	In hospital	Not in hospital
Maine	116	115	-	29	29	-	55	55	-
White	103	103	-	29	29	-	52	52	-
All other	13	12	-	-	-	-	3	3	-
Black	12	11	-	-	-	-	2	2	-
Maryland	561	546	11	141	138	1	159	158	-
White	269	266	2	64	63	-	90	90	-
All other	292	280	9	77	75	1	69	68	-
Black	274	263	8	71	69	1	64	63	-
Massachusetts	554	551	3	240	239	1	313	311	2
White	435	432	3	177	176	1	257	255	2
All other	119	119	-	63	63	-	56	56	-
Black	109	109	-	59	59	-	50	50	-
Michigan	727	724	3	309	308	1	414	412	2
White	475	473	2	180	179	1	293	292	1
All other	252	251	1	129	129	-	121	120	1
Black	243	242	1	127	127	-	114	113	1
Minnesota	442	432	10	93	93	-	126	126	-
White	383	375	8	83	83	-	114	114	-
All other	59	57	2	10	10	-	12	12	-
Black	34	32	2	6	6	-	8	8	-
Mississippi	425	416	9	187	182	5	222	220	2
White	165	153	2	52	51	1	94	94	-
All other	270	263	7	135	131	4	128	126	2
Black	266	260	6	134	130	4	126	124	2
Missouri	514	504	9	184	179	5	315	313	1
White	381	374	6	126	122	4	243	241	1
All other	133	130	3	58	57	1	72	72	-
Black	128	125	3	57	56	1	68	68	-
Montana	89	89	-	28	28	-	60	60	-
White	70	70	-	23	23	-	46	46	-
All other	19	19	-	5	5	-	14	14	-
Black	-	-	-	-	-	-	-	-	-
Nebraska	162	160	2	38	37	1	94	94	-
White	139	137	2	33	32	1	80	80	-
All other	23	23	-	5	5	-	14	14	-
Black	20	20	-	5	5	-	12	12	-
Nevada	141	137	3	56	54	1	77	75	2
White	101	99	1	40	38	1	54	54	-
All other	40	38	2	16	16	-	23	21	2
Black	32	31	1	12	12	-	19	18	1
New Hampshire	105	104	1	35	34	1	69	69	-
White	100	99	1	34	33	1	66	66	-
All other	5	5	-	1	1	-	3	3	-
Black	3	3	-	-	-	-	2	2	-
New Jersey	921	907	13	221	220	1	319	318	1
White	559	553	6	148	147	1	223	222	1
All other	362	354	7	73	73	-	96	96	-
Black	326	318	7	67	67	-	75	75	-
New Mexico <sup>2</sup>	165	155	-	36	36	-	86	86	-
White	118	118	-	28	28	-	62	62	-
All other	37	37	-	8	8	-	24	24	-
Black	9	9	-	4	4	-	4	4	-
New York	2,610	2,561	48	1,199	1,175	24	1,312	1,294	18
White	1,578	1,551	26	717	703	14	800	790	10
All other	1,032	1,010	22	482	472	10	512	504	8
Black	970	949	21	457	448	9	475	467	8
North Carolina	843	833	10	316	313	3	478	472	6
White	441	439	2	151	151	-	268	266	2
All other	402	394	8	165	162	3	210	206	4
Black	383	376	7	160	157	3	196	193	3
North Dakota	68	68	-	25	25	-	41	41	-
White	53	53	-	19	19	-	33	33	-
All other	15	15	-	6	6	-	8	8	-
Black	1	1	-	1	1	-	-	-	-
Ohio	1,118	1,100	18	416	409	7	694	683	11
White	858	844	12	297	292	5	551	544	7
All other	262	256	6	119	117	2	143	139	4
Black	252	246	6	116	114	2	136	132	4
Oklahoma	347	333	12	63	61	2	130	127	2
White	250	242	6	50	48	2	95	94	-
All other	97	91	6	13	13	-	35	33	2
Black	55	50	5	9	9	-	17	16	1
Oregon	240	234	6	85	84	1	151	146	5
White	222	216	6	80	79	1	138	133	5
All other	18	18	-	5	5	-	13	13	-
Black	8	8	-	1	1	-	7	7	-
Pennsylvania	1,429	1,397	31	643	626	18	762	752	10
White	1,033	1,011	21	430	420	9	588	578	10
All other	396	386	10	213	206	7	174	174	-
Black	377	369	8	205	200	5	164	164	-

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Table 3-13. Fetal Deaths by Place of Delivery, Gestation Group, and Race: United States and Each State, 1988—Con.

[Fetal deaths include only those for which the stated or presumed period of gestation was 20 weeks or more. Group IV includes fetal deaths with gestation period not stated, but presumed to be 20 weeks or more. For definition of Groups II, III, and IV, see Technical Appendix.]

Area and race	All fetal deaths in Groups II, III, and IV			Group II - fetal deaths of 20-27 weeks gestation <sup>1</sup>			Group III - fetal deaths of 28 weeks gestation or more <sup>2</sup>		
	Total	In hospital	Not in hospital	Total	In hospital	Not in hospital	Total	In hospital	Not in hospital
Rhode Island	98	97	1	52	51	1	45	45	-
White	82	82	-	43	43	-	38	38	-
All other	16	15	1	9	8	1	7	7	-
Black	12	11	1	8	7	1	4	4	-
South Carolina	590	581	9	277	271	6	312	309	3
White	280	276	4	122	120	2	158	156	2
All other	310	305	5	155	151	4	154	153	1
Black	303	288	5	152	148	4	150	149	1
South Dakota <sup>3</sup>	73	72	1	22	22	-	47	46	1
White	56	56	-	21	21	-	32	32	-
All other	17	16	1	1	1	-	15	14	1
Black	2	2	-	-	-	-	2	2	-
Tennessee <sup>3</sup>	459	456	3	119	118	1	336	334	2
White	289	288	3	76	75	1	191	189	2
All other	190	190	-	43	43	-	145	145	-
Black	186	186	-	42	42	-	142	142	-
Texas	1,982	1,934	47	678	657	21	1,251	1,228	22
White	1,510	1,481	28	490	478	12	972	959	12
All other	472	453	19	188	179	9	279	269	10
Black	438	419	19	174	165	9	259	249	10
Utah	182	179	3	73	72	1	107	105	2
White	172	169	3	69	68	1	101	99	2
All other	10	10	-	4	4	-	6	6	-
Black	2	2	-	2	2	-	-	-	-
Vermont	48	47	1	22	21	1	26	26	-
White	48	47	1	22	21	1	26	26	-
All other	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-
Virginia	944	938	6	475	474	1	456	451	5
White	541	537	4	255	254	1	282	279	3
All other	403	401	2	220	220	-	174	172	2
Black	392	390	2	215	215	-	168	166	2
Washington	380	372	8	85	84	1	166	165	1
White	311	308	3	68	68	-	143	142	1
All other	69	64	5	17	16	1	23	23	-
Black	33	31	2	8	8	-	9	9	-
West Virginia	163	159	4	37	37	-	72	72	-
White	149	146	3	33	33	-	65	65	-
All other	14	13	1	4	4	-	7	7	-
Black	12	11	1	3	3	-	6	6	-
Wisconsin	423	414	9	146	142	4	274	269	5
White	318	312	6	94	93	1	221	216	5
All other	105	102	3	52	49	3	53	53	-
Black	92	90	2	48	46	2	44	44	-
Wyoming	50	50	-	19	19	-	31	31	-
White	49	49	-	18	18	-	31	31	-
All other	1	1	-	1	1	-	-	-	-
Black	-	-	-	-	-	-	-	-	-

<sup>1</sup> Period of gestation reported in months allocated to gestation intervals in weeks as shown in the Technical Appendix.

<sup>2</sup> Minimum reporting requirements are assumed to exceed 20 weeks gestation; see Technical Appendix.



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Table 3-14. Fetal Deaths by Birth Weight, Plurality of Birth, Race, and Sex: United States, 1988

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix]

Plurality of birth, race, and sex	Total	Birth weight <sup>a</sup>												Not stated
		Under 350 grams	350-499 grams	500-999 grams	1,000-1,499 grams	1,500-1,999 grams	2,000-2,499 grams	2,500-2,999 grams	3,000-3,499 grams	3,500-3,999 grams	4,000-4,499 grams	4,500-4,999 grams	5,000 grams or more	
All races	29,442	2,652	3,143	6,182	2,841	2,578	2,446	2,419	2,226	1,193	411	164	88	3,105
Fetal deaths in single deliveries	27,145	2,261	2,778	5,648	2,800	2,354	2,316	2,335	2,185	1,182	407	164	86	2,839
Fetal deaths in twin deliveries	2,209	378	344	517	235	212	127	76	41	10	4	-	2	263
Fetal deaths in other plural deliveries	88	23	21	17	6	12	3	2	-	1	-	-	-	3
Male	14,930	1,310	1,678	3,244	1,474	1,323	1,279	1,170	1,170	635	249	103	52	1,243
Fetal deaths in single deliveries	13,837	1,123	1,498	2,990	1,351	1,217	1,207	1,129	1,145	631	247	103	52	1,144
Fetal deaths in twin deliveries	1,053	177	168	246	120	101	70	41	25	4	2	-	-	99
Fetal deaths in other plural deliveries	40	10	12	8	3	5	2	-	-	-	-	-	-	-
Female	13,326	1,135	1,376	2,844	1,328	1,244	1,150	1,232	1,044	556	158	60	35	1,164
Fetal deaths in single deliveries	12,201	988	1,200	2,568	1,217	1,128	1,092	1,196	1,028	550	156	60	33	1,035
Fetal deaths in twin deliveries	1,079	185	167	267	108	109	57	34	16	5	2	-	-	127
Fetal deaths in other plural deliveries	46	12	9	9	3	7	1	2	-	1	-	-	-	2
Sex not stated	1,186	207	89	94	39	11	17	11	12	2	4	1	1	698
Fetal deaths in single deliveries	1,107	190	80	90	32	9	17	10	12	1	4	1	1	660
Fetal deaths in twin deliveries	77	16	9	4	7	2	-	1	-	1	-	-	-	37
Fetal deaths in other plural deliveries	2	1	-	-	-	-	-	-	-	-	-	-	-	1
White	19,626	1,742	1,894	3,867	1,909	1,674	1,639	1,726	1,699	944	315	132	70	2,015
Fetal deaths in single deliveries	17,963	1,452	1,662	3,489	1,717	1,507	1,542	1,667	1,664	936	312	132	68	1,815
Fetal deaths in twin deliveries	1,593	272	216	365	187	157	94	57	35	7	3	-	2	198
Fetal deaths in other plural deliveries	70	18	16	13	5	10	3	2	-	1	-	-	-	2
Male	9,876	851	1,005	1,971	964	877	862	843	891	497	191	82	41	801
Fetal deaths in single deliveries	9,065	709	889	1,788	866	794	812	808	871	494	189	82	41	722
Fetal deaths in twin deliveries	782	135	107	179	96	78	48	35	20	3	2	-	-	79
Fetal deaths in other plural deliveries	29	7	9	4	2	5	2	-	-	-	-	-	-	-
Female	8,973	769	835	1,844	914	788	767	877	799	446	121	49	28	736
Fetal deaths in single deliveries	8,172	631	725	1,652	826	705	720	853	784	441	120	49	26	640
Fetal deaths in twin deliveries	781	128	103	183	85	78	46	22	15	4	1	-	2	94
Fetal deaths in other plural deliveries	40	10	7	9	3	5	1	2	-	1	-	-	-	2
Sex not stated	777	122	54	52	31	9	10	6	9	1	3	1	1	478
Fetal deaths in single deliveries	726	112	48	49	25	8	10	6	9	1	3	1	1	453
Fetal deaths in twin deliveries	50	9	6	3	6	1	-	-	-	-	-	-	-	25
Fetal deaths in other plural deliveries	1	1	-	-	-	-	-	-	-	-	-	-	-	-
All other	9,816	910	1,249	2,315	932	904	807	687	527	249	96	32	18	1,080
Fetal deaths in single deliveries	9,182	799	1,116	2,159	883	847	774	668	521	246	95	32	18	1,024
Fetal deaths in twin deliveries	616	106	128	152	48	55	33	19	6	3	1	-	-	65
Fetal deaths in other plural deliveries	18	5	5	4	1	2	-	-	-	3	-	-	-	1
Male	5,054	459	673	1,273	510	446	417	327	279	138	58	21	11	442
Fetal deaths in single deliveries	4,772	414	609	1,202	485	423	395	321	274	137	58	21	11	422
Fetal deaths in twin deliveries	271	42	61	67	24	23	22	6	5	1	-	-	-	20
Fetal deaths in other plural deliveries	11	3	3	4	1	-	-	-	-	-	-	-	-	-
Female	4,353	366	541	1,000	414	456	383	355	245	110	37	11	7	428
Fetal deaths in single deliveries	4,029	307	475	916	391	423	372	343	244	109	36	11	7	395
Fetal deaths in twin deliveries	318	57	64	84	23	31	11	12	1	1	1	-	-	33
Fetal deaths in other plural deliveries	6	2	2	-	-	2	-	-	-	-	-	-	-	-
Sex not stated	409	85	35	42	8	2	7	5	3	1	1	-	-	220
Fetal deaths in single deliveries	381	78	32	41	7	1	7	4	3	-	1	-	-	207
Fetal deaths in twin deliveries	27	7	3	1	1	1	-	1	-	1	-	-	-	12
Fetal deaths in other plural deliveries	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Black	8,675	804	1,138	2,080	844	808	709	575	430	188	82	23	17	967
Fetal deaths in single deliveries	8,120	709	1,020	1,947	802	754	686	561	425	185	82	23	17	909
Fetal deaths in twin deliveries	538	91	113	139	41	52	23	14	5	3	-	-	-	57
Fetal deaths in other plural deliveries	17	4	5	4	1	2	-	-	-	-	-	-	-	1
Male	4,471	417	611	1,145	458	400	365	288	234	104	51	14	10	394
Fetal deaths in single deliveries	4,224	379	557	1,078	437	377	351	263	229	103	51	14	10	375
Fetal deaths in twin deliveries	236	35	51	63	20	23	14	5	5	1	-	-	-	19
Fetal deaths in other plural deliveries	11	3	3	4	1	-	-	-	-	-	-	-	-	-
Female	3,835	314	494	906	378	406	337	302	194	83	30	9	7	375
Fetal deaths in single deliveries	3,553	284	433	831	358	376	328	284	184	82	30	9	7	347
Fetal deaths in twin deliveries	277	49	59	75	20	28	9	8	-	1	-	-	-	28
Fetal deaths in other plural deliveries	5	1	2	-	-	2	-	-	-	-	-	-	-	-
Sex not stated	369	73	33	39	8	2	7	5	2	1	1	-	-	198
Fetal deaths in single deliveries	343	66	30	38	7	1	7	4	2	-	1	-	-	187
Fetal deaths in twin deliveries	25	7	3	1	1	1	-	1	-	-	-	-	-	10
Fetal deaths in other plural deliveries	1	-	-	-	-	-	-	-	-	-	-	-	-	1

<sup>a</sup> Equivalents of the gram weights in terms of pounds and ounces are shown in the Technical Appendix.

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**Table 3-15. Fetal Deaths by Period of Gestation, Plurality of Birth, Race, and Sex: United States, 1988**

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix]

Plurality of birth, race, and sex	Total	Period of gestation <sup>1</sup>									
		20-23 weeks	24-27 weeks	28-31 weeks	32-35 weeks	36 weeks	37-39 weeks	40 weeks	41 weeks	42 weeks or more	Not stated
<b>All races</b> .....	<b>29,442</b>	<b>6,195</b>	<b>4,084</b>	<b>3,392</b>	<b>3,785</b>	<b>1,236</b>	<b>3,836</b>	<b>1,334</b>	<b>752</b>	<b>962</b>	<b>3,866</b>
Fetal deaths in single deliveries .....	27,145	5,546	3,713	3,111	3,476	1,129	3,602	1,302	733	940	3,593
Fetal deaths in twin deliveries .....	2,209	615	362	269	286	102	231	32	19	22	271
Fetal deaths in other plural deliveries .....	88	34	9	12	23	5	3	-	-	-	2
<b>Male</b> .....	<b>14,930</b>	<b>3,151</b>	<b>2,017</b>	<b>1,680</b>	<b>2,005</b>	<b>630</b>	<b>1,937</b>	<b>659</b>	<b>346</b>	<b>473</b>	<b>2,032</b>
Fetal deaths in single deliveries .....	13,837	2,843	1,856	1,544	1,857	583	1,818	646	338	460	1,892
Fetal deaths in twin deliveries .....	1,053	291	156	131	138	46	117	13	8	13	140
Fetal deaths in other plural deliveries .....	40	17	5	5	10	1	2	-	-	-	-
<b>Female</b> .....	<b>13,326</b>	<b>2,384</b>	<b>1,855</b>	<b>1,615</b>	<b>1,725</b>	<b>595</b>	<b>1,866</b>	<b>666</b>	<b>399</b>	<b>462</b>	<b>1,759</b>
Fetal deaths in single deliveries .....	12,201	2,070	1,660	1,477	1,572	538	1,762	649	389	453	1,631
Fetal deaths in twin deliveries .....	1,079	298	191	131	141	53	103	17	10	9	126
Fetal deaths in other plural deliveries .....	46	16	4	7	12	4	1	-	-	-	2
<b>Sex not stated</b> .....	<b>1,186</b>	<b>660</b>	<b>212</b>	<b>97</b>	<b>55</b>	<b>11</b>	<b>33</b>	<b>9</b>	<b>7</b>	<b>27</b>	<b>75</b>
Fetal deaths in single deliveries .....	1,107	633	197	90	47	8	22	7	6	27	70
Fetal deaths in twin deliveries .....	77	26	15	7	7	3	11	2	1	-	5
Fetal deaths in other plural deliveries .....	2	1	-	-	1	-	-	-	-	-	-
<b>White</b> .....	<b>19,626</b>	<b>3,816</b>	<b>2,699</b>	<b>2,224</b>	<b>2,545</b>	<b>835</b>	<b>2,835</b>	<b>1,018</b>	<b>614</b>	<b>715</b>	<b>2,325</b>
Fetal deaths in single deliveries .....	17,963	3,377	2,417	2,011	2,315	757	2,653	996	599	699	2,199
Fetal deaths in twin deliveries .....	1,593	412	275	202	214	73	179	22	15	16	185
Fetal deaths in other plural deliveries .....	70	27	7	11	16	5	3	-	-	-	1
<b>Male</b> .....	<b>9,876</b>	<b>1,807</b>	<b>1,297</b>	<b>1,060</b>	<b>1,366</b>	<b>434</b>	<b>1,452</b>	<b>501</b>	<b>287</b>	<b>354</b>	<b>1,218</b>
Fetal deaths in single deliveries .....	9,065	1,693	1,178	951	1,249	397	1,355	492	280	346	1,124
Fetal deaths in twin deliveries .....	782	202	116	105	110	38	95	9	7	8	94
Fetal deaths in other plural deliveries .....	29	12	3	4	7	1	2	-	-	-	-
<b>Female</b> .....	<b>8,973</b>	<b>1,466</b>	<b>1,261</b>	<b>1,109</b>	<b>1,140</b>	<b>395</b>	<b>1,363</b>	<b>511</b>	<b>322</b>	<b>345</b>	<b>1,061</b>
Fetal deaths in single deliveries .....	8,172	1,258	1,109	1,010	1,032	356	1,284	499	315	337	972
Fetal deaths in twin deliveries .....	761	193	148	92	100	35	78	12	7	8	88
Fetal deaths in other plural deliveries .....	40	15	4	7	8	4	1	-	-	-	1
<b>Sex not stated</b> .....	<b>777</b>	<b>443</b>	<b>141</b>	<b>55</b>	<b>39</b>	<b>6</b>	<b>20</b>	<b>6</b>	<b>5</b>	<b>16</b>	<b>46</b>
Fetal deaths in single deliveries .....	726	426	130	50	34	4	14	5	4	16	43
Fetal deaths in twin deliveries .....	50	17	11	5	4	2	6	1	1	-	3
Fetal deaths in other plural deliveries .....	1	-	-	-	1	-	-	-	-	-	-
<b>All other</b> .....	<b>9,816</b>	<b>2,379</b>	<b>1,385</b>	<b>1,168</b>	<b>1,240</b>	<b>401</b>	<b>1,001</b>	<b>316</b>	<b>138</b>	<b>247</b>	<b>1,541</b>
Fetal deaths in single deliveries .....	9,182	2,169	1,296	1,100	1,161	372	949	306	134	241	1,454
Fetal deaths in twin deliveries .....	618	203	87	67	72	29	52	10	4	6	86
Fetal deaths in other plural deliveries .....	18	7	2	1	7	-	-	-	-	-	1
<b>Male</b> .....	<b>5,054</b>	<b>1,244</b>	<b>720</b>	<b>620</b>	<b>639</b>	<b>196</b>	<b>485</b>	<b>158</b>	<b>59</b>	<b>119</b>	<b>814</b>
Fetal deaths in single deliveries .....	4,772	1,150	678	593	608	186	463	154	58	114	768
Fetal deaths in twin deliveries .....	271	89	40	26	28	10	22	4	1	5	46
Fetal deaths in other plural deliveries .....	11	5	2	1	3	-	-	-	-	-	-
<b>Female</b> .....	<b>4,353</b>	<b>918</b>	<b>594</b>	<b>506</b>	<b>585</b>	<b>200</b>	<b>503</b>	<b>155</b>	<b>77</b>	<b>117</b>	<b>698</b>
Fetal deaths in single deliveries .....	4,029	812	551	467	540	182	478	150	74	116	659
Fetal deaths in twin deliveries .....	318	105	43	39	41	18	25	5	3	1	38
Fetal deaths in other plural deliveries .....	6	1	-	-	4	-	-	-	-	-	1
<b>Sex not stated</b> .....	<b>409</b>	<b>217</b>	<b>71</b>	<b>42</b>	<b>16</b>	<b>5</b>	<b>13</b>	<b>3</b>	<b>2</b>	<b>11</b>	<b>29</b>
Fetal deaths in single deliveries .....	381	207	67	40	13	4	8	2	2	11	27
Fetal deaths in twin deliveries .....	27	9	4	2	3	1	5	1	-	-	2
Fetal deaths in other plural deliveries .....	1	1	-	-	-	-	-	-	-	-	-
<b>Black</b> .....	<b>8,675</b>	<b>2,170</b>	<b>1,248</b>	<b>1,029</b>	<b>1,095</b>	<b>338</b>	<b>841</b>	<b>254</b>	<b>109</b>	<b>206</b>	<b>1,385</b>
Fetal deaths in single deliveries .....	8,120	1,979	1,167	978	1,030	312	797	246	105	201	1,305
Fetal deaths in twin deliveries .....	538	184	79	50	58	26	44	8	4	5	80
Fetal deaths in other plural deliveries .....	17	7	2	1	7	-	-	-	-	-	-
<b>Male</b> .....	<b>4,471</b>	<b>1,130</b>	<b>657</b>	<b>553</b>	<b>560</b>	<b>157</b>	<b>402</b>	<b>129</b>	<b>48</b>	<b>99</b>	<b>736</b>
Fetal deaths in single deliveries .....	4,224	1,049	616	533	534	149	382	126	47	94	694
Fetal deaths in twin deliveries .....	236	76	39	19	23	8	20	3	1	5	42
Fetal deaths in other plural deliveries .....	11	5	2	1	3	-	-	-	-	-	-
<b>Female</b> .....	<b>3,835</b>	<b>843</b>	<b>526</b>	<b>438</b>	<b>519</b>	<b>176</b>	<b>427</b>	<b>122</b>	<b>60</b>	<b>99</b>	<b>625</b>
Fetal deaths in single deliveries .....	3,553	743	490	409	483	159	407	118	57	99	588
Fetal deaths in twin deliveries .....	277	99	36	29	32	17	20	4	3	-	37
Fetal deaths in other plural deliveries .....	5	1	-	-	4	-	-	-	-	-	-
<b>Sex not stated</b> .....	<b>389</b>	<b>197</b>	<b>65</b>	<b>38</b>	<b>16</b>	<b>5</b>	<b>12</b>	<b>3</b>	<b>1</b>	<b>8</b>	<b>24</b>
Fetal deaths in single deliveries .....	343	187	61	36	13	4	8	2	1	8	23
Fetal deaths in twin deliveries .....	25	9	4	2	3	1	4	1	-	-	1
Fetal deaths in other plural deliveries .....	1	1	-	-	-	-	-	-	-	-	-

<sup>1</sup> Period of gestation reported in months allocated to gestation intervals in weeks as shown in the Technical Appendix.

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Table 3-16. Fetal Deaths by Birth Weight and Race for the United States and Each State; and by Sex for the United States: 1988

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix]

Area, race, and sex	Total	Birth weight <sup>1</sup>												Not stated
		Under 350 grams	350-499 grams	500-999 grams	1,000-1,499 grams	1,500-1,999 grams	2,000-2,499 grams	2,500-2,999 grams	3,000-3,499 grams	3,500-3,999 grams	4,000-4,499 grams	4,500-4,999 grams	5,000 grams or more	
United States .....	29,442	2,652	3,143	6,182	2,841	2,578	2,446	2,413	2,226	1,193	411	164	88	3,105
White .....	19,626	1,742	1,894	3,867	1,909	1,674	1,639	1,726	1,699	944	315	132	70	2,015
All other .....	9,816	910	1,249	2,315	932	904	807	697	527	249	96	32	18	1,090
Black .....	8,675	804	1,138	2,090	844	808	709	575	430	188	82	23	17	967
Male .....	14,930	1,310	1,678	3,244	1,474	1,323	1,279	1,170	1,170	635	249	103	52	1,243
White .....	9,876	851	1,005	1,971	964	877	862	843	691	497	191	82	41	801
All other .....	5,054	459	673	1,273	510	446	417	327	279	139	58	21	11	442
Black .....	4,471	417	611	1,145	458	400	365	288	234	104	51	14	10	394
Female .....	13,326	1,135	1,376	2,844	1,328	1,244	1,150	1,232	1,044	556	158	60	35	1,164
White .....	8,973	769	835	1,844	914	788	767	877	799	446	121	49	28	736
All other .....	4,353	366	541	1,000	414	456	383	355	245	110	37	11	7	428
Black .....	3,835	314	494	906	378	406	337	302	194	63	30	9	7	375
Sex not stated .....	1,186	207	89	94	39	11	17	11	12	2	4	1	1	698
White .....	777	122	54	52	31	9	10	6	9	1	3	1	1	478
All other .....	409	85	35	42	8	2	7	5	3	1	1	-	-	220
Black .....	369	79	39	39	8	2	7	5	2	1	1	-	-	198
Alabama .....	633	65	96	130	61	62	52	39	51	22	9	2	3	47
White .....	319	32	39	70	37	24	27	24	27	13	1	2	2	17
All other .....	314	33	57	60	24	38	25	12	22	9	1	1	1	30
Black .....	311	33	57	59	24	37	25	11	22	9	2	1	1	30
Alaska .....	69	6	10	15	2	6	7	4	5	4	-	-	-	10
White .....	32	3	4	9	1	4	5	1	1	1	-	-	-	3
All other .....	37	3	6	6	1	2	2	3	4	3	-	-	-	7
Black .....	12	-	3	2	-	1	1	-	2	-	-	-	-	3
Arizona .....	420	50	48	91	39	24	42	39	50	26	3	1	-	9
White .....	337	45	36	74	27	19	30	33	41	20	2	-	-	9
All other .....	83	4	10	17	12	5	12	6	9	6	1	1	-	12
Black .....	32	3	4	7	6	1	8	1	2	-	-	-	-	-
Arkansas .....	294	9	31	73	28	25	26	38	21	17	4	1	2	19
White .....	174	6	21	40	13	14	15	25	15	11	2	1	1	10
All other .....	120	3	10	33	15	11	11	13	6	6	2	1	1	9
Black .....	118	3	10	32	15	11	11	13	6	6	1	-	-	9
California .....	3,605	226	372	818	421	387	342	349	315	174	64	26	16	95
White .....	2,593	157	238	544	298	269	253	271	258	147	52	21	14	71
All other .....	1,012	69	134	274	123	118	89	78	57	27	12	5	2	24
Black .....	651	38	94	196	87	80	58	40	21	11	5	-	2	19
Colorado .....	404	39	47	60	41	27	28	43	33	10	4	1	4	67
White .....	347	35	35	43	38	24	25	37	30	9	4	1	4	62
All other .....	57	4	12	17	3	3	3	6	3	1	-	-	-	5
Black .....	41	4	11	13	1	1	3	3	3	-	-	-	-	4
Connecticut .....	326	36	35	69	32	21	24	27	12	13	2	3	-	52
White .....	240	28	21	47	25	15	21	22	10	13	1	3	-	34
All other .....	86	8	14	22	7	6	3	5	2	1	1	-	-	18
Black .....	78	8	13	21	6	6	2	4	2	-	1	-	-	15
Delaware .....	63	6	9	8	3	8	7	2	3	1	1	1	3	11
White .....	43	6	6	4	2	6	5	2	1	1	-	1	2	7
All other .....	20	-	3	4	1	2	2	-	2	-	1	-	1	4
Black .....	20	-	3	4	1	2	2	-	2	-	1	-	1	4
District of Columbia .....	134	9	10	36	14	11	14	7	9	-	2	1	-	21
White .....	17	1	2	5	-	3	1	-	-	-	-	1	-	4
All other .....	117	8	8	31	14	8	13	7	9	-	2	-	-	17
Black .....	116	8	8	31	14	8	13	7	9	-	2	-	-	16
Florida .....	1,578	120	184	359	142	142	139	142	110	53	16	8	2	162
White .....	909	72	118	199	74	69	77	83	75	35	11	7	2	87
All other .....	669	48	66	160	68	73	62	59	35	18	4	1	-	75
Black .....	652	48	63	158	68	68	61	57	35	18	4	1	-	71
Georgia .....	1,197	171	133	218	110	93	81	73	60	18	12	3	2	223
White .....	558	79	51	95	39	42	36	35	40	11	6	2	2	120
All other .....	639	92	82	123	71	51	45	38	20	7	6	1	-	103
Black .....	627	90	82	118	71	51	44	37	19	7	6	1	-	101
Hawaii .....	171	41	14	23	7	8	11	5	6	2	1	2	-	51
White .....	49	13	-	6	5	5	2	1	-	-	-	-	-	18
All other .....	122	28	14	17	2	3	9	4	6	2	1	1	-	35
Black .....	8	2	4	1	-	-	-	-	-	-	-	-	-	-
Idaho .....	98	10	14	24	9	5	7	8	5	8	1	-	1	6
White .....	93	9	12	23	9	5	7	8	5	7	1	-	1	6
All other .....	5	1	2	1	-	-	-	-	-	-	-	-	-	-
Black .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Illinois .....	1,371	135	148	301	120	138	142	120	96	60	19	11	7	74
White .....	844	84	84	168	66	86	84	87	67	45	15	10	4	44
All other .....	527	51	64	133	54	52	58	33	29	15	4	1	3	30
Black .....	496	48	59	128	52	50	50	31	27	14	4	1	3	29
Indiana .....	599	43	54	105	69	61	51	48	50	19	11	6	1	81
White .....	498	39	46	78	61	45	42	37	44	17	9	6	1	61
All other .....	113	4	8	27	8	16	9	11	6	2	2	-	-	20
Black .....	112	4	8	26	8	16	9	11	6	2	2	-	-	20
Iowa .....	254	26	21	47	30	26	27	18	27	10	7	3	1	11
White .....	240	24	19	40	29	25	26	18	27	10	7	3	1	11
All other .....	14	2	2	7	1	1	1	-	-	-	-	-	-	-
Black .....	9	2	1	4	1	-	1	-	-	-	-	-	-	-

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Table 3-16. Fetal Deaths by Birth Weight and Race for the United States and Each State; and by Sex for the United States: 1988—Con.

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix]

Area, race, and sex	Total	Birth weight <sup>1</sup>												Not stated
		Under 350 grams	350-499 grams	500-999 grams	1,000-1,499 grams	1,500-1,999 grams	2,000-2,499 grams	2,500-2,999 grams	3,000-3,499 grams	3,500-3,999 grams	4,000-4,499 grams	4,500-4,999 grams	5,000 grams or more	
Kansas	226	2	37	61	23	18	22	24	18	14	4	-	1	2
White	167	2	28	51	15	18	18	20	16	12	4	-	1	2
All other	39	-	9	10	8	-	4	4	2	2	-	-	-	-
Black	36	-	9	10	7	-	4	3	2	1	-	-	-	-
Kentucky	438	51	41	96	50	49	45	34	32	15	7	-	1	17
White	370	43	32	80	45	40	35	32	28	13	6	-	1	16
All other	68	8	9	16	5	9	10	2	4	2	1	-	-	2
Black	66	7	9	16	5	8	10	2	4	2	1	-	-	2
Louisiana	603	33	94	136	69	57	55	57	51	19	9	4	2	17
White	282	25	38	50	33	21	28	27	30	14	7	3	1	6
All other	321	8	56	86	36	36	27	30	21	5	2	1	2	11
Black	316	7	56	85	35	35	27	30	21	4	2	1	2	11
Maine	116	6	6	6	9	4	10	6	8	3	1	2	1	54
White	103	6	6	6	9	3	10	6	8	2	1	2	1	43
All other	13	-	-	-	-	1	-	-	-	1	-	-	-	11
Black	12	-	-	-	-	-	-	-	-	1	-	-	-	11
Maryland	561	53	49	102	38	34	30	31	34	15	5	4	1	165
White	269	28	18	39	20	17	17	17	20	10	2	2	1	78
All other	292	25	31	63	18	17	13	14	14	5	3	2	-	87
Black	274	23	30	58	16	17	13	14	14	3	2	2	-	82
Massachusetts	554	53	85	107	56	56	51	35	31	27	3	4	1	45
White	435	35	66	85	45	48	42	30	24	21	3	4	1	31
All other	119	18	19	22	11	8	9	5	7	6	-	-	-	14
Black	109	17	17	20	10	7	9	5	6	5	-	-	-	13
Michigan	727	94	103	134	79	61	65	64	64	30	10	5	1	17
White	475	44	67	81	53	30	46	47	57	27	7	2	1	13
All other	252	50	36	53	26	31	19	17	7	3	3	3	-	4
Black	243	49	35	52	25	31	18	15	6	3	3	2	-	4
Minnesota	442	49	45	69	40	28	29	31	23	21	3	5	1	98
White	383	43	38	57	32	26	26	25	21	20	3	5	1	66
All other	59	6	7	12	8	2	3	6	2	1	-	-	-	12
Black	34	4	7	6	3	2	1	4	1	-	-	-	-	6
Mississippi	425	45	65	102	42	36	30	32	34	14	2	3	1	19
White	165	13	17	30	23	14	14	12	18	6	1	1	-	6
All other	270	32	48	72	19	22	16	20	16	8	1	2	1	13
Black	266	32	46	72	19	22	16	20	16	6	1	2	1	13
Missouri	514	44	68	111	49	40	51	46	54	20	8	1	1	21
White	381	33	42	75	37	28	36	40	48	17	6	7	1	18
All other	133	11	26	36	12	12	15	6	6	3	2	1	-	3
Black	128	11	26	35	12	11	13	5	6	3	2	1	-	3
Montana	89	9	10	13	8	8	8	11	8	5	3	-	-	6
White	70	5	9	13	7	4	7	9	4	3	3	-	-	6
All other	19	4	1	-	1	4	1	2	4	2	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska	162	10	14	30	25	18	17	13	17	8	4	-	1	5
White	139	9	14	23	20	18	13	10	16	7	4	-	1	4
All other	23	1	-	7	5	-	4	3	1	1	-	-	-	1
Black	20	1	-	7	5	-	3	2	-	1	-	-	-	1
Nevada	141	6	6	21	17	8	8	12	3	2	2	1	-	58
White	101	5	5	16	9	5	5	6	2	2	2	1	-	43
All other	40	1	1	5	8	3	-	6	1	-	-	-	-	15
Black	32	1	1	3	8	2	-	4	-	-	-	-	-	13
New Hampshire	105	8	8	17	9	12	10	10	8	11	3	2	-	7
White	100	8	8	16	9	12	10	9	6	9	3	2	-	6
All other	5	-	-	1	-	-	-	1	-	2	-	-	-	1
Black	3	-	-	-	-	-	-	-	-	2	-	-	-	1
New Jersey	921	55	79	176	84	59	57	59	47	25	13	1	2	264
White	559	36	46	111	51	41	36	39	28	21	9	-	2	139
All other	362	19	33	65	33	18	21	20	19	4	4	1	-	125
Black	326	17	32	58	30	17	19	15	14	4	4	1	-	115
New Mexico <sup>2</sup>	155	2	6	35	12	14	17	16	18	8	6	-	-	21
White	118	1	6	25	11	9	14	12	12	6	4	-	-	16
All other	37	1	-	10	1	5	3	4	6	2	2	-	-	3
Black	9	-	-	3	1	1	-	-	1	-	1	-	-	2
New York	2,610	218	237	557	237	187	164	166	178	86	36	16	15	513
White	1,578	132	132	285	135	93	98	98	122	62	25	11	13	374
All other	1,032	86	105	272	102	94	68	68	56	24	11	5	2	139
Black	970	82	101	260	88	90	64	60	48	22	10	5	2	128
North Carolina	843	72	104	183	69	68	61	69	63	46	17	4	1	86
White	441	41	48	99	35	37	26	31	44	33	10	2	-	35
All other	402	31	56	84	34	31	35	38	19	13	7	2	1	51
Black	383	30	55	79	34	31	30	35	18	11	7	1	1	51
North Dakota	68	3	7	16	9	6	4	9	6	1	2	-	-	3
White	53	3	6	13	7	5	3	7	6	-	1	-	-	2
All other	15	2	1	3	2	1	1	2	-	1	1	-	-	1
Black	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Ohio	1,118	92	117	254	96	111	95	106	82	44	16	7	4	94
White	856	72	79	188	72	94	73	84	67	32	14	7	4	70
All other	262	20	38	66	24	17	22	22	15	12	2	-	-	24
Black	252	19	38	61	24	17	21	20	15	11	2	-	-	24

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Table 3-16. Fetal Deaths by Birth Weight and Race for the United States and Each State; and by Sex for the United States: 1988—Con.

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix]

Area, race, and sex	Total	Birth weight <sup>1</sup>											Not stated	
		Under 350 grams	350-499 grams	500-999 grams	1,000-1,499 grams	1,500-1,999 grams	2,000-2,499 grams	2,500-2,999 grams	3,000-3,499 grams	3,500-3,999 grams	4,000-4,499 grams	4,500-4,999 grams		5,000 grams or more
Oklahoma	347	26	19	79	27	33	23	28	19	21	5	2	-	65
White	250	20	14	58	21	24	17	20	13	16	3	1	-	43
All other	97	6	5	21	6	9	6	8	6	5	2	1	-	22
Black	55	3	3	17	4	3	2	6	2	3	2	1	-	9
Oregon	240	24	31	51	9	21	9	35	22	14	3	2	-	18
White	222	22	26	47	9	21	6	34	21	13	3	2	-	18
All other	18	2	5	4	-	-	3	1	1	1	-	-	-	1
Black	8	1	1	2	-	-	2	1	-	-	-	-	-	1
Pennsylvania	1,429	275	164	285	126	127	120	104	98	66	21	6	3	34
White	1,033	188	98	198	103	83	86	85	81	59	19	6	2	25
All other	396	87	66	87	23	44	34	19	17	7	2	8	1	9
Black	377	84	65	80	23	42	31	17	17	6	2	-	1	9
Rhode Island	98	3	9	13	4	6	2	3	5	3	-	1	-	49
White	82	3	7	8	4	5	2	3	4	3	-	1	-	43
All other	16	-	2	5	-	1	-	-	1	-	-	1	-	6
Black	12	-	2	4	-	-	-	-	-	-	-	1	-	6
South Carolina	590	65	93	137	61	40	58	44	45	24	7	1	-	15
White	280	31	36	61	32	15	26	19	33	13	6	1	-	7
All other	310	34	57	76	29	25	32	25	12	11	1	-	-	8
Black	303	34	58	74	28	25	31	24	12	10	1	-	-	8
South Dakota <sup>2</sup>	73	7	2	19	8	9	3	10	5	3	-	1	-	6
White	56	6	1	17	5	7	1	8	5	1	-	1	-	4
All other	17	1	-	2	3	2	2	2	-	2	-	-	-	2
Black	2	-	-	1	-	-	-	-	-	-	-	-	-	-
Tennessee <sup>2</sup>	459	1	1	137	60	57	60	45	43	28	12	1	-	14
White	269	1	-	87	34	31	33	25	21	20	7	1	-	9
All other	190	-	1	50	26	26	27	20	22	8	5	-	-	5
Black	186	-	1	49	26	25	27	19	22	7	5	-	-	5
Texas	1,982	141	196	462	198	189	203	175	183	101	38	11	3	82
White	1,510	109	139	328	153	136	155	142	151	87	31	10	3	66
All other	472	32	57	134	45	53	48	33	32	14	7	1	-	16
Black	438	27	53	129	42	49	47	27	29	12	7	1	-	15
Utah	182	17	23	33	19	12	13	16	14	7	1	1	1	25
White	172	15	20	32	19	12	13	16	13	5	1	1	1	24
All other	10	2	3	1	-	-	-	-	1	2	-	-	-	1
Black	2	1	1	-	-	-	-	-	-	-	-	-	-	-
Vermont	48	4	8	11	5	2	4	3	4	3	1	-	-	3
White	48	4	8	11	5	2	4	3	4	3	1	-	-	3
All other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	944	109	79	171	72	60	51	59	51	23	6	2	1	260
White	541	57	27	98	48	33	24	37	35	19	4	2	-	157
All other	403	52	52	73	24	27	27	22	16	4	2	-	1	103
Black	392	52	51	72	23	26	26	22	16	2	2	-	1	99
Washington	380	28	37	67	45	34	28	36	34	21	2	2	1	45
White	311	23	25	49	37	32	21	34	31	21	2	2	-	34
All other	69	5	12	18	8	2	7	2	3	-	-	-	1	11
Black	33	3	5	13	3	1	3	1	-	-	-	-	-	4
West Virginia	163	9	10	31	16	18	12	22	17	3	3	4	2	16
White	149	9	8	28	13	14	12	20	17	3	3	4	2	16
All other	14	-	2	3	3	4	-	2	-	-	-	-	-	-
Black	12	-	1	3	2	4	-	2	-	-	-	-	-	-
Wisconsin	423	40	56	73	37	48	31	39	45	25	8	2	1	18
White	318	32	38	48	29	37	25	31	39	24	8	1	-	6
All other	105	8	18	25	8	11	6	8	6	1	-	1	1	12
Black	92	8	17	21	5	10	6	7	4	1	-	1	1	11
Wyoming	50	4	10	10	5	4	3	1	9	-	1	-	-	3
White	49	4	10	9	5	4	3	1	9	-	1	-	-	3
All other	1	-	-	1	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-	-

<sup>1</sup> Equivalents of the gram weights in terms of pounds and ounces are shown in the Technical Appendix.

<sup>2</sup> Minimum reporting requirements are assumed to exceed 20 weeks gestation; see Technical Appendix.

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Table 3-17. Fetal Deaths by Period of Gestation and Race for the United States and Each State; and by Sex for the United States: 1988

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix]

Area, race, and sex	Total	Period of gestation <sup>1</sup>									Not stated
		20-23 weeks	24-27 weeks	28-31 weeks	32-35 weeks	36 weeks	37-39 weeks	40 weeks	41 weeks	42 weeks or more	
United States .....	29,442	6,195	4,084	3,392	3,785	1,236	3,836	1,334	752	962	3,866
White .....	19,626	3,816	2,699	2,224	2,545	835	2,835	1,018	614	715	2,325
All other .....	9,816	2,379	1,385	1,168	1,240	401	1,001	316	138	247	1,541
Black .....	8,675	2,170	1,248	1,029	1,095	338	841	254	109	206	1,385
Male .....	14,930	3,151	2,017	1,680	2,005	630	1,937	659	346	473	2,032
White .....	9,876	1,907	1,297	1,060	1,366	434	1,452	501	287	354	1,218
All other .....	5,054	1,244	720	620	639	196	485	158	59	119	814
Black .....	4,471	1,130	657	553	560	157	402	129	48	99	736
Female .....	13,326	2,384	1,855	1,615	1,725	595	1,866	666	399	462	1,759
White .....	8,973	1,466	1,261	1,109	1,140	395	1,363	511	322	345	1,061
All other .....	4,353	918	594	506	585	200	503	155	77	117	698
Black .....	3,835	843	526	438	519	176	427	122	60	99	625
Sex not stated .....	1,186	660	212	97	55	11	33	9	7	27	75
White .....	777	443	141	55	39	6	20	6	5	16	46
All other .....	409	217	71	42	16	5	13	3	2	11	29
Black .....	369	197	66	38	16	5	12	3	1	8	24
Alabama .....	633	156	134	73	91	26	91	31	8	21	2
White .....	319	67	68	33	49	14	48	21	4	15	-
All other .....	314	89	66	40	42	12	43	10	4	6	2
Black .....	311	89	65	40	41	12	43	9	4	6	2
Alaska .....	69	12	12	4	12	5	4	3	-	1	16
White .....	32	7	5	4	7	2	2	1	-	-	4
All other .....	37	5	7	-	5	3	2	2	-	1	12
Black .....	12	1	3	-	3	-	1	1	-	-	3
Arizona .....	420	88	71	54	39	23	74	32	12	14	13
White .....	337	73	61	39	29	20	60	25	11	8	11
All other .....	83	15	10	15	10	3	14	7	1	6	2
Black .....	32	4	8	6	4	3	4	-	-	3	-
Arkansas .....	294	43	33	27	42	9	48	10	12	12	58
White .....	174	28	18	16	27	3	27	8	7	8	32
All other .....	120	15	15	11	15	6	21	2	5	4	26
Black .....	118	14	15	11	15	6	21	2	5	3	26
California .....	3,605	511	411	381	496	167	507	145	119	131	737
White .....	2,593	349	287	261	364	125	392	116	102	107	490
All other .....	1,012	162	124	120	132	42	115	29	17	24	247
Black .....	651	111	77	71	81	24	62	14	4	14	183
Colorado .....	404	123	57	43	57	17	48	35	9	14	1
White .....	347	103	45	36	51	16	44	31	9	12	-
All other .....	57	20	12	7	6	1	4	4	-	2	1
Black .....	41	17	12	4	3	-	1	2	-	2	-
Connecticut .....	326	54	31	28	33	11	21	5	4	5	134
White .....	240	36	21	19	22	10	18	4	4	5	101
All other .....	86	18	10	9	11	1	3	1	-	-	33
Black .....	78	17	9	9	9	1	2	1	-	-	30
Delaware .....	63	14	8	8	5	5	6	3	4	-	10
White .....	43	12	4	5	2	5	2	2	4	-	7
All other .....	20	2	4	3	3	-	4	1	-	-	3
Black .....	20	2	4	3	3	-	4	1	-	-	3
District of Columbia .....	134	28	13	4	8	3	11	3	3	3	58
White .....	17	5	1	-	2	-	-	-	-	-	9
All other .....	117	23	12	4	6	3	11	3	3	3	49
Black .....	116	23	12	4	6	3	10	3	3	3	49
Florida .....	1,578	204	163	145	174	39	165	50	38	50	550
White .....	909	122	95	96	99	22	115	32	30	36	262
All other .....	669	82	68	49	75	17	50	18	8	14	288
Black .....	652	81	65	47	72	15	49	17	7	14	285
Georgia .....	1,197	432	188	149	165	45	100	45	15	35	23
White .....	558	199	75	68	71	23	59	26	7	22	8
All other .....	639	233	113	81	94	22	41	19	8	13	15
Black .....	627	230	112	78	94	20	40	18	8	13	14
Hawaii .....	171	68	24	21	17	9	18	4	3	5	2
White .....	49	22	6	4	6	2	2	1	3	2	1
All other .....	122	46	18	17	11	7	16	3	-	3	1
Black .....	8	6	-	1	-	-	1	-	-	-	-
Idaho .....	98	23	15	13	10	3	16	8	1	7	2
White .....	93	20	14	13	10	3	16	8	1	6	2
All other .....	5	3	1	-	-	-	-	-	-	1	-
Black .....	-	-	-	-	-	-	-	-	-	-	-
Illinois .....	1,371	223	155	160	158	64	162	47	33	42	327
White .....	844	128	100	94	111	36	113	33	26	30	173
All other .....	527	95	55	66	47	28	49	14	7	12	154
Black .....	496	90	50	64	46	24	44	11	7	11	149
Indiana .....	599	95	100	61	80	31	107	25	18	21	61
White .....	486	80	83	47	64	19	87	22	17	18	49
All other .....	113	15	17	14	16	12	20	3	1	3	12
Black .....	112	15	16	14	16	12	20	3	1	3	12
Iowa .....	254	40	34	45	36	8	35	19	13	8	16
White .....	240	35	31	42	34	7	35	19	13	8	16
All other .....	14	5	3	3	2	1	-	-	-	-	-
Black .....	9	4	2	1	1	1	-	-	-	-	-

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Table 3-17. Fetal Deaths by Period of Gestation and Race for the United States and Each State; and by Sex for the United States: 1988—Con.

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix]

Area, race, and sex	Total	Period of gestation									Not stated
		20-23 weeks	24-27 weeks	28-31 weeks	32-35 weeks	36 weeks	37-39 weeks	40 weeks	41 weeks	42 weeks or more	
Kansas	226	26	28	19	28	5	30	15	6	6	63
White	187	22	23	14	23	5	30	13	6	5	46
All other	39	4	5	5	5	-	-	2	-	1	17
Black	36	4	5	4	5	-	-	1	-	1	16
Kentucky	438	81	60	64	63	19	56	26	16	12	41
White	370	61	55	52	58	14	49	22	15	12	32
All other	68	20	5	12	5	5	7	4	1	-	9
Black	66	19	5	12	5	4	7	4	1	-	9
Louisiana	603	67	85	52	92	24	68	20	18	15	142
White	282	35	47	23	40	14	33	12	16	7	55
All other	321	52	38	29	52	10	35	8	2	8	87
Black	316	51	37	29	51	10	34	8	2	8	86
Maine	116	17	12	7	14	6	17	4	3	4	32
White	103	17	12	6	14	5	17	4	2	4	22
All other	13	-	-	1	-	1	-	-	1	-	10
Black	12	-	-	1	-	-	-	-	1	-	10
Maryland	561	92	49	29	41	19	33	16	11	10	261
White	269	43	21	11	23	12	20	11	7	6	115
All other	292	49	28	18	18	7	13	5	4	4	146
Black	274	46	25	15	17	7	12	5	4	4	139
Massachusetts	554	167	83	81	70	27	82	24	12	17	1
White	435	111	66	70	52	23	69	20	10	13	1
All other	119	46	17	11	18	4	13	4	2	4	-
Black	109	43	16	10	16	3	11	4	2	4	-
Michigan	727	191	118	91	121	31	96	44	8	23	4
White	475	104	76	62	71	26	76	36	7	15	2
All other	252	87	42	29	50	5	20	8	1	8	2
Black	243	88	41	28	48	4	18	8	1	7	2
Minnesota	442	56	37	31	30	12	39	4	3	7	223
White	383	48	35	29	27	8	36	4	3	7	186
All other	59	8	2	2	3	4	3	-	-	-	37
Black	34	5	1	2	2	2	2	-	-	-	20
Mississippi	425	110	77	49	61	21	62	14	9	6	16
White	155	21	31	17	25	12	23	6	2	4	9
All other	270	89	46	32	36	9	34	8	7	2	7
Black	266	88	46	32	36	9	32	8	7	2	6
Missouri	514	110	74	69	78	25	72	32	18	21	15
White	381	73	53	44	59	20	58	29	15	18	12
All other	133	37	21	25	19	5	14	3	3	3	3
Black	128	37	20	24	19	5	13	2	2	3	3
Montana	89	17	11	10	19	5	14	5	4	3	1
White	70	14	9	9	14	3	11	3	4	2	1
All other	19	3	2	1	5	2	3	2	-	1	-
Black	-	-	-	-	-	-	-	-	-	-	-
Nebraska	162	22	16	19	20	10	28	4	5	8	30
White	139	19	14	16	17	6	26	3	4	8	26
All other	23	3	2	3	3	4	2	1	1	-	4
Black	20	3	2	3	3	3	2	1	1	-	3
Nevada	141	35	21	21	19	10	15	7	1	4	8
White	101	28	12	12	14	6	13	6	1	2	7
All other	40	7	9	9	5	4	2	1	-	2	1
Black	32	4	8	8	4	4	-	1	-	2	1
New Hampshire	105	17	18	12	17	6	18	7	4	5	1
White	100	16	18	12	17	6	16	7	3	5	-
All other	5	1	-	-	-	-	2	-	1	-	1
Black	3	-	-	-	-	-	1	-	1	-	1
New Jersey	921	140	81	74	76	23	78	27	24	17	381
White	659	90	58	55	50	18	52	21	18	9	188
All other	362	50	23	19	26	5	26	6	6	8	193
Black	326	47	20	13	22	4	19	5	5	7	184
New Mexico	155	17	19	15	22	4	19	16	6	4	33
White	118	12	16	11	18	-	16	9	5	3	28
All other	37	5	3	4	4	4	3	7	1	1	5
Black	9	2	2	1	-	1	1	1	-	-	1
New York	2,610	788	411	328	310	87	311	106	77	93	99
White	1,578	477	240	182	177	49	206	65	59	62	61
All other	1,032	311	171	146	133	38	105	41	18	31	38
Black	970	293	164	143	124	35	97	36	15	25	38
North Carolina	843	186	130	114	109	32	124	40	25	34	49
White	441	83	68	63	58	16	71	19	22	19	22
All other	402	103	62	51	51	16	53	21	3	15	27
Black	383	100	60	49	50	16	51	17	2	11	27
North Dakota	68	13	12	13	7	3	11	4	3	-	2
White	53	8	11	11	7	1	7	4	3	-	1
All other	15	5	1	2	-	2	4	-	-	-	1
Black	1	-	1	-	-	-	-	-	-	-	-
Ohio	1,118	237	179	147	171	75	169	59	23	50	8
White	856	164	133	118	123	61	134	52	21	42	8
All other	262	73	46	29	48	14	35	7	2	8	-
Black	252	72	44	27	44	14	34	7	2	8	-

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Table 3-17. Fetal Deaths by Period of Gestation and Race for the United States and Each State; and by Sex for the United States: 1988—Con.

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix.]

Area, race, and sex	Total	Period of gestation <sup>1</sup>									Not stated
		20-23 weeks	24-27 weeks	28-31 weeks	32-35 weeks	36 weeks	37-39 weeks	40 weeks	41 weeks	42 weeks or more	
Oklahoma	347	31	32	31	27	11	36	13	3	9	154
White	250	24	26	24	19	8	23	12	1	8	105
All other	97	7	6	7	8	3	13	1	2	1	49
Black	55	5	4	4	3	2	6	-	2	-	29
Oregon	240	49	36	34	30	11	51	13	4	8	4
White	222	46	35	29	28	8	50	11	4	8	4
All other	18	4	1	5	2	3	1	2	-	-	-
Black	8	-	1	3	1	2	1	-	-	-	-
Pennsylvania	1,429	420	223	178	167	49	191	80	38	39	24
White	1,033	282	148	131	127	37	165	62	35	31	15
All other	396	138	75	47	60	12	26	18	3	8	9
Black	377	135	70	45	58	12	24	17	2	8	8
Rhode Island	98	34	18	12	8	2	9	8	4	2	1
White	82	29	14	9	7	2	8	6	4	2	1
All other	16	5	4	3	1	-	1	2	-	1	-
Black	12	5	3	3	-	-	-	1	-	-	-
South Carolina	590	172	105	76	73	30	73	25	12	23	1
White	280	70	52	38	28	13	42	16	8	13	-
All other	310	102	53	38	45	17	31	9	4	10	1
Black	303	100	52	38	42	17	31	9	3	10	1
South Dakota <sup>2</sup>	73	15	7	12	11	4	9	8	2	1	4
White	56	14	7	6	9	2	7	7	1	-	3
All other	17	1	-	6	2	2	2	1	1	1	1
Black	2	-	-	2	-	-	-	-	-	-	-
Tennessee <sup>2</sup>	459	34	85	87	72	24	91	29	10	23	4
White	269	21	55	44	48	12	51	18	4	14	2
All other	190	13	30	43	24	12	40	11	6	9	2
Black	186	13	29	42	24	12	38	11	6	9	2
Texas	1,982	369	309	249	306	102	332	130	63	69	53
White	1,510	255	235	178	223	79	268	112	55	57	48
All other	472	114	74	71	83	23	64	18	8	12	5
Black	438	109	65	69	77	21	58	17	6	11	5
Utah	182	37	36	23	36	7	29	3	5	4	2
White	172	34	35	21	35	6	29	3	4	3	2
All other	10	3	1	2	1	1	-	-	1	1	-
Black	2	2	-	-	-	-	-	-	-	-	-
Vermont	48	15	7	3	7	1	8	3	2	2	-
White	48	15	7	3	7	1	8	3	2	2	-
All other	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-
Virginia	944	336	199	123	104	44	109	36	10	30	13
White	541	172	83	70	66	18	75	30	5	18	4
All other	403	164	56	53	38	26	34	6	5	12	9
Black	392	159	56	51	37	26	32	6	5	11	9
Washington	380	49	36	30	39	12	43	16	12	14	129
White	311	40	28	24	35	10	37	15	11	11	100
All other	69	9	8	6	4	2	6	1	1	3	29
Black	33	3	5	3	1	1	2	1	-	1	16
West Virginia	163	18	19	9	15	8	22	4	3	11	54
White	149	16	17	8	13	8	19	3	3	11	51
All other	14	2	2	1	2	-	3	1	-	-	3
Black	12	1	2	-	2	-	9	1	-	-	3
Wisconsin	423	92	54	58	71	21	69	26	12	17	3
White	318	56	38	39	57	18	56	24	12	15	3
All other	105	36	16	19	14	3	13	2	-	2	-
Black	92	34	14	15	12	3	10	2	-	2	-
Wyoming	50	11	6	6	8	1	9	1	4	2	-
White	49	11	7	6	8	1	9	1	4	2	-
All other	-	-	1	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-

<sup>1</sup> Period of gestation reported in months allocated to gestation intervals in weeks as shown in the Technical Appendix.  
<sup>2</sup> Minimum reporting requirements are assumed to exceed 20 weeks gestation; see Technical Appendix.



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Table 3-18. Fetal Deaths by Birth Weight, Period of Gestation, and Race: United States, 1988

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix]

Race and period of gestation	Total	Birth weight <sup>1</sup>												Not stated
		Under 350 grams	350-499 grams	500-999 grams	1,000-1,499 grams	1,500-1,999 grams	2,000-2,499 grams	2,500-2,999 grams	3,000-3,499 grams	3,500-3,999 grams	4,000-4,499 grams	4,500-4,999 grams	5,000 grams or more	
All races .....	29,442	2,652	3,143	6,182	2,841	2,578	2,446	2,413	2,226	1,193	411	164	88	3,105
White .....	19,626	1,742	1,894	3,867	1,909	1,574	1,639	1,726	1,699	944	315	132	70	2,015
All other .....	9,816	910	1,249	2,315	932	904	807	687	527	249	96	32	18	1,090
Black .....	8,675	804	1,138	2,090	844	808	709	575	430	188	82	23	17	967
20-29 weeks .....	6,195	1,666	1,828	1,596	95	28	20	13	3	4	8	4	3	927
White .....	3,816	1,076	1,046	961	55	16	11	6	2	3	5	3	3	629
All other .....	2,379	590	782	635	40	12	9	7	1	1	3	1	-	298
Black .....	2,170	527	718	586	38	11	7	7	1	1	2	1	-	270
24-27 weeks .....	4,084	504	639	2,053	370	90	38	19	7	1	-	2	5	355
White .....	2,699	364	441	1,315	246	59	25	11	4	1	-	2	5	226
All other .....	1,385	140	198	738	124	31	13	8	3	-	-	-	-	129
Black .....	1,248	122	182	656	120	29	12	8	3	-	-	-	-	114
28-31 weeks .....	3,392	144	205	1,141	927	453	142	59	25	13	4	1	3	275
White .....	2,224	90	133	749	636	284	91	37	12	8	3	1	3	177
All other .....	1,168	54	72	392	291	169	51	22	13	5	1	-	-	98
Black .....	1,029	44	60	342	263	152	47	19	11	4	1	-	-	86
32-35 weeks .....	3,785	68	69	447	779	919	724	351	141	38	14	7	3	225
White .....	2,545	49	41	303	539	619	481	246	91	26	8	4	2	136
All other .....	1,240	19	28	144	240	300	243	105	50	12	6	3	1	89
Black .....	1,095	18	23	132	208	268	213	89	42	10	6	3	1	82
36 weeks .....	1,236	4	11	34	108	238	314	270	124	39	19	2	3	76
White .....	835	3	8	23	76	145	200	191	96	25	11	2	2	53
All other .....	401	1	3	11	32	93	114	79	28	14	2	-	1	23
Black .....	398	1	2	8	26	80	101	61	26	10	2	-	1	20
37-39 weeks .....	3,836	38	22	76	137	395	616	908	845	380	130	54	27	208
White .....	2,835	27	14	51	101	277	443	660	667	292	89	41	22	151
All other .....	1,001	11	8	25	36	118	173	248	178	88	41	13	5	57
Black .....	841	9	8	25	32	106	147	206	147	69	35	8	5	44
40 weeks .....	1,334	7	1	11	20	42	136	248	417	280	81	31	17	63
White .....	1,018	4	-	6	12	32	88	193	313	215	68	21	14	52
All other .....	316	3	1	5	8	10	48	55	104	45	13	10	3	11
Black .....	254	2	1	4	7	8	40	48	79	33	11	8	3	10
41 weeks .....	752	1	3	10	17	28	62	121	234	167	58	17	8	26
White .....	614	1	3	7	13	17	47	98	196	135	54	16	4	23
All other .....	138	-	-	3	4	11	15	23	38	32	4	1	4	3
Black .....	109	-	-	3	3	10	12	17	29	23	4	1	4	3
42 weeks and over .....	962	10	6	22	25	60	110	151	240	186	65	20	8	59
White .....	715	5	1	14	18	37	83	109	177	153	52	19	7	40
All other .....	247	5	5	8	7	23	27	42	63	33	13	1	1	19
Black .....	206	5	5	7	7	23	24	36	48	26	11	1	1	12
Not stated .....	3,866	210	359	792	363	325	284	273	190	105	37	26	11	891
White .....	2,325	123	207	438	213	188	170	175	141	86	25	23	8	528
All other .....	1,541	87	152	354	150	137	114	98	49	19	12	3	3	363
Black .....	1,385	76	139	325	139	121	106	84	44	12	10	1	2	326

<sup>1</sup> Equivalents of the gram weights in terms of pounds and ounces are shown in the Technical Appendix.

# Section 4. Perinatal Mortality

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Table 4-1. Perinatal Mortality Ratios for Three Definitions, by Race: United States, 1950-88

[Perinatal Definition I includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 28 weeks or more; Perinatal Definition II includes infant deaths of less than 28 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; Perinatal Definition III includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more. Presumed gestational age not stated was changed beginning in 1969; see Technical Appendix. Beginning 1970 excludes infant and fetal deaths and live births occurring to nonresidents of the United States; see Technical Appendix. Ratios per 1,000 live births]

Year	Perinatal Definition I <sup>1</sup>				Perinatal Definition II				Perinatal Definition III			
	All races	White	All other		All races	White	All other		All races	White	All other	
			Total	Black			Total	Black			Total	Black
1988	9.7	8.4	14.4	16.6	13.8	11.8	21.0	24.4	12.8	10.8	19.6	22.7
1987	10.0	8.7	14.9	17.0	14.2	12.2	21.5	24.7	13.1	11.2	20.0	23.0
1986	10.4	9.1	15.1	17.1	14.4	12.6	21.3	24.4	13.3	11.6	19.9	22.7
1985	10.8	9.6	15.3	17.5	14.8	13.1	21.7	24.8	13.7	12.1	20.1	23.0
1984	11.1	10.0	15.5	17.5	15.2	13.5	21.8	24.7	14.1	12.5	20.3	23.1
1983	11.6	10.4	16.3	18.3	15.7	13.9	23.1	26.1	14.6	12.8	21.6	24.3
1982	12.3	11.1	17.2	19.3	16.6	14.7	24.0	27.0	15.3	13.6	22.3	25.0
1981	12.6	11.4	17.6	19.6	17.0	15.1	24.6	27.4	15.7	13.9	22.8	25.3
1980	13.3	11.9	18.9	20.9	17.7	15.7	26.0	28.7	16.3	14.4	24.0	26.5
1979	13.9	12.6	19.5	21.2	18.3	16.2	26.7	29.3	16.9	15.0	24.8	27.2
1978	14.7	13.1	21.1	---	19.2	16.9	28.7	---	17.7	15.5	26.7	---
1977	15.5	14.0	21.9	---	19.8	17.5	29.5	---	18.3	16.2	27.1	---
1976	16.9	15.2	24.1	---	21.4	19.0	31.5	---	19.8	17.6	29.1	---
1975	17.9	16.2	25.3	---	22.3	19.9	32.8	---	20.7	18.5	30.4	---
1974	19.1	17.4	26.3	---	23.7	21.4	34.2	---	22.2	20.0	31.8	---
1973	20.2	18.5	27.9	---	25.2	22.6	36.4	---	23.6	21.2	34.2	---
1972	21.4	19.5	30.0	---	26.3	23.5	38.7	---	24.8	22.2	36.4	---
1971	21.9	20.0	30.6	---	27.6	24.8	40.8	---	26.3	23.6	38.7	---
1970	23.2	21.1	33.2	---	29.3	26.2	44.0	---	27.8	24.9	41.7	---
1969	24.2	22.0	34.8	---	29.7	26.6	45.1	---	28.2	25.3	42.5	---
1968	26.1	23.8	37.7	---	31.9	28.5	48.6	---	30.4	27.3	46.0	---
1967	26.5	23.9	38.9	---	32.1	28.5	49.6	---	30.6	27.2	46.9	---
1966	27.2	24.6	39.9	---	32.9	29.2	50.9	---	31.2	27.8	47.8	---
1965	28.0	25.2	41.3	---	33.8	30.0	52.6	---	31.2	28.5	49.3	---
1964	28.4	25.5	49.2	---	34.3	30.3	54.7	---	32.5	28.8	51.2	---
1963 <sup>2</sup>	28.2	25.6	41.8	---	34.0	30.4	52.8	---	32.2	28.8	49.4	---
1962 <sup>2</sup>	28.5	26.0	41.7	---	34.3	30.8	52.7	---	32.4	29.3	49.2	---
1961	28.6	26.2	41.7	---	34.5	31.0	53.2	---	32.6	29.4	49.4	---
1960	28.9	26.5	42.4	---	34.8	31.4	53.6	---	32.8	29.7	49.6	---
1959	29.1	26.6	43.3	---	35.2	31.6	55.0	---	33.1	29.9	50.7	---
1958	29.6	27.0	44.5	---	36.0	32.3	56.5	---	33.6	30.4	51.9	---
1957	29.2	26.8	43.0	---	35.4	32.1	54.6	---	33.1	30.1	50.0	---
1956	29.3	26.9	42.8	---	35.4	32.1	54.2	---	33.1	30.2	49.8	---
1955	30.0	27.7	43.9	---	36.2	32.9	55.6	---	34.0	31.1	51.4	---
1954	30.2	27.8	44.3	---	36.5	33.3	55.9	---	34.2	31.3	51.5	---
1953	31.0	28.6	45.4	---	37.3	34.2	57.0	---	34.9	32.1	52.3	---
1952	31.6	29.0	47.5	---	38.1	34.6	60.3	---	35.6	32.5	55.2	---
1951	32.2	29.8	47.5	---	38.9	35.6	59.4	---	36.3	33.3	54.8	---
1950	33.0	30.5	48.1	---	39.7	36.4	60.0	---	37.0	34.1	55.3	---

<sup>1</sup> Figures for gestational age not stated are distributed for fetal deaths; see Technical Appendix.

<sup>2</sup> Figures by race exclude data for residents of New Jersey; see Technical Appendix.

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**Table 4-2. Perinatal Deaths and Mortality Ratios and Rates for Three Definitions, by Race and Sex: United States, 1988**

[Perinatal Definition I includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 28 weeks or more; Perinatal Definition II includes infant deaths of less than 28 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; Perinatal Definition III includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix. Ratios per 1,000 live births. Rates per 1,000 live births and specified fetal deaths]

Race and sex <sup>1</sup>	Perinatal Definition I <sup>2</sup>			Perinatal Definition II			Perinatal Definition III		
	Deaths	Ratio	Rate	Deaths	Ratio	Rate	Deaths	Ratio	Rate
All races .....	38,080	9.7	9.7	54,132	13.8	13.7	49,913	12.8	12.7
Male .....	20,575	10.3	10.2	29,453	14.7	14.6	27,077	13.5	13.4
Female .....	17,505	9.2	9.1	24,679	12.9	12.8	22,836	12.0	11.9
White .....	25,651	8.4	8.4	35,972	11.8	11.7	33,034	10.8	10.8
Male .....	13,903	8.9	8.9	19,580	12.5	12.4	17,891	11.4	11.4
Female .....	11,748	7.9	7.9	16,412	11.1	11.0	15,143	10.2	10.1
All other .....	12,429	14.4	14.3	18,160	21.0	20.8	16,879	19.6	19.3
Male .....	6,672	15.2	15.1	9,893	22.5	22.2	9,185	20.9	20.6
Female .....	5,757	13.6	13.5	8,267	19.5	19.3	7,693	18.2	18.0
Black .....	11,175	16.6	16.5	16,370	24.4	24.1	15,243	22.7	22.4
Male .....	6,014	17.6	17.5	8,935	28.2	25.8	8,317	24.4	24.0
Female .....	5,161	15.6	15.5	7,435	22.5	22.2	6,926	21.0	20.7

<sup>1</sup> Figures for sex not stated are distributed for fetal deaths; see Technical Appendix.  
<sup>2</sup> Figures for gestational age not stated are distributed for fetal deaths; see Technical Appendix.

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**Table 4-3. Perinatal Deaths and Mortality Ratios and Rates for Three Definitions, by Race, for Metropolitan and Nonmetropolitan Counties: United States, 1988**

[Perinatal Definition I includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 28 weeks or more; Perinatal Definition II includes infant deaths of less than 28 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; Perinatal Definition III includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix. Frequencies for Perinatal Definition I may not add to totals; see Technical Appendix. Ratios per 1,000 births. Rates per 1,000 live births and specified fetal deaths]

Geographic area and race	Perinatal Definition I <sup>a</sup>			Perinatal Definition II			Perinatal Definition III		
	Deaths	Ratio	Rate	Deaths	Ratio	Rate	Deaths	Ratio	Rate
United States .....	38,080	9.7	9.7	54,132	13.8	13.7	49,913	12.8	12.7
White .....	25,851	8.4	8.4	35,972	11.8	11.7	33,034	10.8	10.8
All other .....	12,429	14.4	14.3	18,160	21.0	20.8	16,879	19.6	19.3
Black .....	11,175	16.6	16.5	16,970	24.4	24.1	15,243	22.7	22.4
Metropolitan counties .....	29,964	9.8	9.7	42,570	13.9	13.8	39,247	12.8	12.7
White .....	19,545	8.3	8.3	27,428	11.7	11.6	25,176	10.7	10.7
All other .....	10,419	14.5	14.4	15,142	21.0	20.8	14,071	19.5	19.3
Black .....	9,461	16.7	16.6	13,778	24.4	24.0	12,821	22.7	22.4
Nonmetropolitan counties .....	8,110	9.6	9.5	11,562	13.7	13.6	10,666	12.6	12.5
White .....	6,103	8.7	8.6	8,544	12.1	12.1	7,858	11.2	11.1
All other .....	2,007	14.1	14.0	3,018	21.2	20.9	2,808	19.7	19.5
Black .....	1,715	16.1	16.0	2,592	24.4	24.1	2,422	22.8	22.5

<sup>a</sup> Figures for gestational age not stated are distributed for fetal deaths; see Technical Appendix.

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Table 4-4. Perinatal Mortality Ratios for Three Definitions, by Race: United States and Each State, 1984-88

[Perinatal Definition I includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 28 weeks or more; Perinatal Definition II includes infant deaths of less than 28 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; Perinatal Definition III includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix. Ratios per 1,000 live births.]

Area and race	Perinatal Definition I <sup>1</sup>					Perinatal Definition II					Perinatal Definition III				
	1988	1987	1986	1985	1984	1988	1987	1986	1985	1984	1988	1987	1986	1985	1984
United States	9.7	10.0	10.4	10.8	11.1	13.8	14.2	14.4	14.8	15.2	12.8	13.1	13.3	13.7	14.1
White	8.4	8.7	9.1	9.6	10.0	11.8	12.2	12.6	13.1	13.5	10.8	11.2	11.6	12.1	12.5
All other	14.4	14.9	15.1	15.3	15.5	21.0	21.5	21.3	21.7	21.8	19.6	20.0	19.9	20.1	20.3
Black	16.6	17.0	17.1	17.5	17.5	24.4	24.7	24.4	24.8	24.7	22.7	23.0	22.7	23.0	23.1
Alabama	12.1	12.7	14.2	13.4	13.9	18.5	18.3	20.3	19.0	18.8	16.9	16.4	18.8	17.4	17.3
White	9.8	10.2	11.4	10.8	11.2	14.4	14.2	15.6	15.0	15.0	13.2	12.9	14.5	13.8	13.9
All other	16.4	17.4	19.5	18.3	18.9	25.9	25.9	29.1	26.5	25.8	23.6	22.8	26.9	24.2	23.6
Black	16.5	17.8	19.8	18.4	19.1	26.2	26.5	29.6	26.8	26.0	24.0	23.4	27.4	24.4	23.7
Alaska	7.2	7.2	10.8	8.2	6.7	11.2	11.6	13.8	11.7	11.6	10.0	9.9	12.3	10.4	9.8
White	5.8	6.5	9.9	7.8	5.8	8.8	9.8	11.9	12.0	10.9	7.7	8.7	10.8	10.8	9.0
All other	9.6	8.5	13.0	9.0	9.1	15.6	15.2	18.1	10.9	13.6	14.1	12.4	15.7	9.6	11.9
Black	20.2	6.8	12.5	13.7	15.6	28.0	13.7	12.5	15.4	21.5	28.0	12.0	12.5	13.7	21.5
Arizona	8.7	9.1	8.7	9.6	9.0	12.3	12.6	11.6	12.8	11.9	11.2	11.6	10.7	11.8	10.6
White	8.2	8.6	8.5	9.4	8.8	11.9	11.9	11.2	12.5	11.8	10.7	11.0	10.4	11.5	10.5
All other	11.0	11.8	10.0	10.3	9.9	14.2	16.2	13.5	14.5	12.3	13.4	14.7	12.6	13.2	11.1
Black	18.9	17.4	13.6	13.1	11.8	24.4	23.3	18.8	21.3	13.8	22.8	22.3	18.0	18.9	13.0
Arkansas	10.6	9.5	10.8	11.3	10.7	14.8	13.8	13.8	15.1	14.3	13.3	12.4	12.6	13.3	12.8
White	8.5	8.2	9.3	9.9	9.2	11.7	11.9	12.4	13.4	12.2	10.6	10.9	11.0	11.6	10.7
All other	16.8	13.5	15.1	15.6	15.4	23.8	18.7	18.2	20.5	20.5	21.1	16.9	17.5	18.9	18.9
Black	17.6	13.8	15.3	15.4	15.9	24.9	19.2	18.6	20.6	21.0	22.1	17.4	17.9	18.9	19.4
California	8.7	9.1	9.1	9.6	9.8	11.9	12.4	12.4	12.7	12.8	10.9	11.3	11.2	11.6	11.8
White	8.3	8.6	8.8	9.2	9.6	11.1	11.7	11.8	12.2	12.5	10.2	10.6	10.7	11.0	11.5
All other	10.2	10.8	10.4	11.0	10.6	14.7	15.2	14.3	14.6	14.0	13.4	14.1	13.2	13.5	13.1
Black	14.8	15.7	15.4	15.5	14.7	21.8	22.5	21.5	21.3	19.9	19.7	20.8	19.9	19.9	18.6
Colorado	8.7	9.5	8.9	9.5	10.1	13.2	14.4	13.2	14.3	15.1	12.1	13.4	12.3	13.6	14.1
White	8.6	9.2	8.6	9.3	9.6	12.8	14.0	12.8	14.0	14.7	11.7	13.0	12.0	13.3	13.7
All other	9.7	11.8	11.5	11.2	15.2	17.0	18.0	18.9	18.2	20.4	16.0	17.0	18.0	16.9	19.5
Black	11.1	15.5	14.6	11.3	18.1	21.5	24.0	22.0	19.1	25.8	20.2	22.4	21.1	17.7	24.7
Connecticut	9.2	9.1	10.0	10.8	11.1	13.0	12.9	13.1	14.9	14.8	12.2	12.1	12.3	14.0	13.8
White	8.4	7.8	8.7	9.7	10.1	11.5	11.2	11.2	13.4	13.5	10.8	10.6	10.5	12.5	12.5
All other	13.4	16.8	17.5	17.7	16.9	20.9	22.7	24.0	24.8	22.7	19.4	20.8	23.1	23.3	21.5
Black	14.7	19.0	19.8	19.4	18.5	22.7	25.7	26.4	27.2	24.7	21.2	23.5	25.4	25.6	23.4
Delaware	11.7	12.9	12.6	13.8	13.4	14.9	16.1	16.9	17.2	16.0	14.2	15.4	15.6	16.2	15.3
White	8.7	10.6	10.3	11.3	11.9	11.9	12.5	13.8	14.1	14.3	11.1	11.9	12.4	13.7	13.6
All other	20.9	19.9	19.1	21.7	18.1	24.0	26.7	26.0	27.0	21.3	23.6	25.5	25.2	24.4	20.8
Black	22.0	21.3	19.3	22.6	18.9	25.3	28.5	26.5	27.6	22.3	24.9	27.2	25.7	24.9	21.8
District of Columbia	21.3	20.1	20.3	20.4	23.0	30.3	26.5	28.8	28.1	31.0	28.2	24.7	26.0	26.1	28.7
White	13.8	10.6	10.9	11.4	12.3	22.9	17.1	15.7	13.1	17.3	21.1	16.0	15.1	12.5	16.2
All other	22.8	22.0	22.2	22.3	25.4	31.6	28.4	31.3	31.3	34.2	29.5	26.4	28.1	29.1	31.5
Black	24.6	23.9	23.5	23.1	25.6	34.3	30.9	33.1	32.5	34.5	32.0	28.7	29.7	30.2	31.7
Florida	11.3	10.9	11.3	11.7	11.7	15.5	14.9	15.7	16.1	16.4	14.3	13.9	14.5	14.8	15.3
White	9.1	8.4	9.3	9.8	9.6	12.4	11.5	12.7	13.2	13.4	11.3	10.6	11.7	12.2	12.5
All other	17.7	18.2	17.5	17.2	17.9	24.5	25.1	24.6	24.5	25.2	23.1	23.5	23.1	22.4	23.5
Black	18.3	18.9	18.2	17.8	18.2	25.6	26.0	25.7	25.4	25.8	24.1	24.3	24.0	23.2	24.1
Georgia	12.4	12.9	13.0	13.0	12.9	19.6	20.4	19.7	20.9	20.2	18.4	19.2	18.5	19.4	19.0
White	9.2	10.5	10.1	10.5	10.4	14.2	16.4	15.3	16.7	16.2	13.4	15.2	14.2	15.5	15.2
All other	17.9	17.2	18.2	17.5	17.6	28.6	27.7	27.2	28.4	27.4	26.8	26.4	26.2	26.4	25.8
Black	18.3	17.7	18.6	17.9	17.8	29.4	28.4	28.3	29.1	27.8	27.6	27.1	26.7	27.1	26.1
Hawaii	8.5	8.5	11.0	8.8	9.2	14.2	12.5	16.2	14.7	14.4	13.3	11.8	15.5	13.7	13.3
White	9.2	7.4	10.4	7.8	7.7	15.7	13.3	15.1	13.8	12.0	15.5	12.8	14.6	12.9	11.2
All other	8.2	8.9	11.2	9.2	9.7	13.7	12.3	16.5	15.1	15.2	12.7	11.5	15.7	14.2	14.0
Black	7.8	15.5	17.8	14.2	15.7	21.1	17.8	25.6	20.1	14.6	20.0	17.8	23.4	18.9	
Idaho	6.7	8.6	9.7	10.5	8.9	10.0	12.4	13.5	13.6	12.8	9.1	11.2	12.3	12.6	11.6
White	6.8	8.5	9.5	10.6	8.9	9.8	12.2	13.3	13.6	12.4	9.1	10.9	12.2	12.7	11.2
All other	4.7	11.9	15.2	7.3	10.9	14.2	17.9	18.3	13.1	23.3	11.0	17.9	16.7	11.6	21.7
Black	-	-	52.6	-	11.2	12.5	22.5	52.6	-	22.5	-	22.5	52.6	-	22.5
Illinois	10.8	11.5	11.7	12.4	12.6	14.6	15.4	15.7	16.0	16.3	13.4	14.1	14.4	14.9	15.1
White	8.7	9.5	9.5	10.5	10.6	11.9	12.6	12.7	13.3	13.6	10.8	11.6	11.7	12.4	12.5
All other	16.6	17.5	18.9	19.0	19.3	22.6	23.6	25.1	25.1	25.2	21.1	21.5	23.1	23.0	23.4
Black	18.0	18.9	19.6	19.9	20.5	24.4	25.5	26.0	26.5	26.8	22.7	23.3	23.9	24.3	24.9
Indiana	10.0	10.9	11.7	11.5	11.5	13.8	14.4	15.1	14.8	14.6	12.7	13.4	13.9	13.5	13.5
White	9.0	9.5	10.5	10.5	10.7	12.6	12.4	13.5	13.6	13.6	11.6	11.5	12.5	12.4	12.6
All other	17.0	21.5	20.9	18.9	17.7	22.1	29.1	27.1	23.7	22.1	20.5	27.9	24.8	21.9	20.7
Black	18.6	20.8	22.1	19.3	18.6	24.0	28.7	28.5	24.4	23.5	22.3	27.4	26.0	22.5	22.0
Iowa	9.0	8.7	8.6	8.9	10.4	12.1	12.0	11.6	11.9	13.6	11.0	11.2	10.6	10.9	12.7
White	8.9	8.5	8.5	8.7	10.3	11.9	11.7	11.3	11.8	13.6	10.9	10.9	10.4	10.8	12.6
All other	10.4	12.9	12.6	12.2	12.3	15.9	17.4	17.2	13.4	15.8	14.8	16.9	16.1	13.4	14.7
Black	11.2	15.8	14.8	10.4	17.9	18.2	21.1	20.3	12.3	23.6	16.4	20.2	18.5	12.3	21.7
Kansas	8.1	9.1	8.5	9.6	10.5	10.7	12.1	11.3	12.9	13.5	10.1	11.3	10.4	11.7	12.1
White	7.4	8.4	8.1	9.3	9.9	9.7	10.9	10.7	12.2	12.6	9.1	10.1	9.8	11.2	11.3
All other	13.8	14.2	11.6	12.6	15.6	18.1	20.8	15.6	17.9	20.7	16.9	19.9	14.6	16.1	18.5
Black	15.4	16.3	14.1	14.4	17.5	21.2	25.2	19.6	22.1	29.3	19.9	24.1	18.2	19.6	20.9

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Table 4-4. Perinatal Mortality Ratios for Three Definitions, by Race: United States and Each State, 1984-88—Con.

[Perinatal Definition I includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 28 weeks or more; Perinatal Definition II includes infant deaths of less than 28 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; Perinatal Definition III includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix.  
Ratios per 1,000 live births]

Area and race	Perinatal Definition I <sup>a</sup>					Perinatal Definition II					Perinatal Definition III				
	1988	1987	1986	1985	1984	1988	1987	1986	1985	1984	1988	1987	1986	1985	1984
Kentucky	10.4	9.7	9.8	12.0	11.2	14.8	14.0	14.4	16.0	15.3	13.5	12.8	13.2	14.9	14.2
White	9.8	9.4	9.5	11.2	10.5	13.8	13.2	13.6	14.8	14.3	12.6	12.0	12.5	13.8	13.2
All other	15.5	12.0	13.0	19.9	17.7	22.3	21.2	21.0	26.9	24.3	20.7	20.0	19.5	24.9	23.6
Black	16.4	12.6	13.9	20.5	18.4	23.6	22.2	22.0	28.1	25.6	21.9	20.9	20.6	26.0	24.8
Louisiana	11.1	11.3	11.8	12.6	13.2	15.2	15.6	16.2	16.9	17.0	14.1	14.2	15.0	15.4	15.9
White	8.8	8.2	8.8	9.6	10.4	12.3	11.4	12.2	12.6	13.0	11.2	10.5	11.2	11.4	12.0
All other	14.0	15.5	16.1	17.0	17.5	19.1	21.3	21.6	23.2	23.1	18.0	19.3	20.3	21.4	21.7
Black	14.6	16.1	16.7	17.5	18.0	19.8	22.0	22.7	23.9	23.9	18.6	20.0	21.1	22.1	22.4
Maine	8.7	8.1	9.4	9.4	9.0	11.9	10.7	11.6	12.7	12.2	11.1	9.9	11.0	11.7	11.3
White	8.3	7.9	9.5	9.6	8.8	11.4	10.5	11.7	12.9	12.0	10.5	9.8	11.1	11.8	11.1
All other	<sup>a</sup> 26.0	<sup>a</sup> 14.6	<sup>a</sup> 5.5		<sup>a</sup> 18.1	<sup>a</sup> 33.8	<sup>a</sup> 17.4	<sup>a</sup> 5.5	<sup>a</sup> 3.2		<sup>a</sup> 21.1	<sup>a</sup> 33.8	<sup>a</sup> 17.5	<sup>a</sup> 5.5	<sup>a</sup> 21.1
Black	<sup>a</sup> 83.3	<sup>a</sup> 8.9	<sup>a</sup> 10.3		<sup>a</sup> 19.4	<sup>a</sup> 100.0	<sup>a</sup> 17.9	<sup>a</sup> 10.3			<sup>a</sup> 19.4	<sup>a</sup> 100.0	<sup>a</sup> 17.9	<sup>a</sup> 10.3	<sup>a</sup> 19.4
Maryland	10.7	11.6	12.1	12.4	13.3	15.4	16.4	16.6	16.3	17.3	14.2	15.1	15.2	15.2	16.4
White	8.1	8.9	9.7	9.1	11.3	11.3	12.8	13.0	12.5	14.3	10.3	11.6	11.7	11.4	13.5
All other	15.5	16.6	16.8	18.7	17.3	22.7	23.2	23.5	23.8	23.6	21.2	21.6	21.9	22.6	22.4
Black	16.9	17.8	17.8	20.3	18.3	24.5	25.0	25.1	25.8	25.2	22.9	23.4	23.5	24.4	23.9
Massachusetts	8.2	7.9	9.1	9.7	9.9	11.7	10.9	12.6	13.0	13.2	10.9	10.2	11.7	11.9	12.6
White	7.7	7.3	8.5	9.0	9.6	10.8	10.1	11.7	12.1	12.6	10.0	9.4	10.8	11.1	12.0
All other	11.5	11.9	13.8	15.6	12.6	17.2	16.9	19.7	21.2	18.5	16.6	16.3	18.4	19.9	18.0
Black	15.3	14.6	16.8	19.1	14.6	22.8	20.6	24.4	26.4	22.1	22.1	19.8	22.8	24.6	21.4
Michigan	9.4	9.7	10.0	10.7	11.0	12.9	13.0	13.1	14.0	14.1	11.6	11.9	12.0	12.8	13.0
White	7.2	7.7	8.2	9.1	9.2	9.9	10.4	10.8	12.1	11.8	8.9	9.5	9.8	11.1	10.9
All other	17.9	17.7	17.9	17.8	18.8	24.3	23.0	23.2	22.6	23.8	22.4	21.4	21.1	20.8	22.2
Black	19.0	19.0	19.1	19.1	19.6	25.8	24.5	24.7	24.1	25.1	23.9	22.8	22.5	22.2	23.3
Minnesota	7.9	7.6	8.7	9.4	9.5	11.3	11.2	11.8	12.0	12.5	10.7	10.1	10.4	11.2	11.9
White	7.4	7.2	8.8	9.3	9.4	10.7	10.6	11.6	11.9	12.2	10.1	9.5	10.4	11.1	11.6
All other	12.7	11.8	7.3	10.8	10.0	17.3	17.2	11.0	13.6	16.4	16.8	16.0	9.4	12.2	16.0
Black	18.8	16.6	9.4	16.0	14.7	24.2	24.3	14.1	20.5	22.1	24.2	22.3	12.7	18.5	22.1
Mississippi	11.7	13.6	13.0	13.9	14.8	17.7	20.0	19.2	20.3	21.6	16.4	18.4	17.6	18.8	20.2
White	8.9	9.5	9.6	8.8	11.7	12.6	13.5	13.3	13.3	15.8	11.4	12.1	12.1	12.1	15.1
All other	14.8	18.2	16.9	19.6	18.3	23.1	27.0	25.6	28.1	27.8	21.6	25.3	23.8	26.2	25.6
Black	15.0	18.5	16.9	19.7	18.5	23.3	27.5	25.6	28.3	28.1	21.9	25.8	23.8	26.4	25.9
Missouri	9.6	9.1	9.5	9.7	10.3	13.1	13.3	13.1	13.3	13.7	12.0	12.1	11.9	12.3	12.7
White	8.6	8.1	8.6	8.6	9.4	11.7	11.7	11.6	11.9	12.1	10.7	10.7	10.6	10.9	11.3
All other	13.7	13.9	13.8	14.8	14.8	19.5	20.9	20.5	20.1	21.6	18.1	19.0	18.6	19.1	19.9
Black	14.3	14.6	14.5	15.0	15.3	20.5	21.9	21.6	20.8	22.6	19.0	19.8	19.7	19.6	20.9
Montana	9.1	8.4	9.7	9.5	8.3	12.1	12.3	13.0	12.0	12.4	11.5	11.2	11.9	11.6	11.3
White	9.0	8.5	8.9	8.8	8.5	12.2	12.2	12.0	11.4	12.5	11.4	11.1	11.0	11.0	11.6
All other	<sup>a</sup> 9.3	<sup>a</sup> 8.1	15.0	14.5	<sup>a</sup> 6.5	12.0	13.3	20.0	<sup>a</sup> 16.3	<sup>a</sup> 11.2	12.0	11.6	18.7	<sup>a</sup> 15.7	<sup>a</sup> 9.5
Black	<sup>a</sup> 12.8				<sup>a</sup> 14.5	<sup>a</sup> 12.8	<sup>a</sup> 15.6		<sup>a</sup> 13.2	<sup>a</sup> 14.5	<sup>a</sup> 12.8	<sup>a</sup> 15.6		<sup>a</sup> 14.2	
Nebraska	9.3	9.2	10.3	10.1	9.9	12.1	12.1	14.0	13.5	13.4	11.3	11.0	12.6	12.2	12.2
White	8.6	8.8	9.6	9.8	9.6	11.3	11.4	13.0	13.1	12.8	10.5	10.3	11.8	11.8	11.7
All other	16.0	13.5	17.6	13.5	13.4	20.7	20.1	24.8	18.9	20.4	18.8	19.1	21.7	16.9	18.4
Black	19.6	14.7	17.3	14.7	16.9	25.9	23.5	26.3	20.6	23.5	23.8	22.8	23.3	18.4	22.0
Nevada	7.8	9.0	8.2	8.0	8.4	11.5	12.5	12.6	11.4	12.9	11.1	11.6	11.4	10.4	11.7
White	7.0	8.6	8.1	7.9	8.0	10.2	11.6	12.2	11.0	11.9	9.8	10.8	11.1	10.2	10.6
All other	11.6	10.6	8.6	8.8	10.2	17.4	16.7	14.4	13.2	17.6	16.8	15.1	13.0	11.4	16.9
Black	17.2	15.1	<sup>a</sup> 11.6	13.0	16.5	24.3	21.8	18.3	18.8	27.6	23.8	19.6	15.9	16.8	26.9
New Hampshire	8.2	8.5	8.5	9.3	10.0	11.2	11.8	11.1	12.2	13.3	10.3	10.6	9.9	11.2	12.1
White	8.1	8.5	8.5	9.4	10.2	11.1	11.7	11.1	11.1	12.3	13.4	10.2	10.5	10.0	11.4
All other	<sup>a</sup> 11.4	<sup>a</sup> 5.9	<sup>a</sup> 6.7	<sup>a</sup> 3.3		<sup>a</sup> 15.2	<sup>a</sup> 14.7	<sup>a</sup> 10.0	<sup>a</sup> 6.6	<sup>a</sup> 7.4	<sup>a</sup> 13.3	<sup>a</sup> 14.7	<sup>a</sup> 6.7	<sup>a</sup> 3.3	
Black	<sup>a</sup> 33.6	<sup>a</sup> 12.8	<sup>a</sup> 8.1	<sup>a</sup> 7.5		<sup>a</sup> 33.6	<sup>a</sup> 25.6	<sup>a</sup> 16.1	<sup>a</sup> 14.9	<sup>a</sup> 18.9	<sup>a</sup> 33.6	<sup>a</sup> 25.6	<sup>a</sup> 8.1	<sup>a</sup> 7.5	
New Jersey	10.2	10.4	10.4	11.1	11.8	14.6	14.7	14.6	15.0	16.0	13.4	13.8	13.4	13.7	14.7
White	8.3	8.7	8.9	9.8	10.3	11.8	12.0	12.5	13.0	14.0	10.8	11.1	11.5	11.9	12.8
All other	16.3	16.3	15.5	15.5	16.8	23.5	24.3	21.9	21.5	23.0	21.9	22.9	20.1	19.8	21.3
Black	17.5	17.3	17.1	16.9	18.3	25.7	26.1	24.2	23.7	24.9	24.0	24.6	22.4	21.8	23.2
New Mexico	8.9	7.4	7.7	8.5	9.5	<sup>a</sup> 11.8	<sup>a</sup> 9.7	<sup>a</sup> 9.7	<sup>a</sup> 12.2	<sup>a</sup> 12.8	<sup>a</sup> 10.6	<sup>a</sup> 8.9	<sup>a</sup> 8.9	<sup>a</sup> 11.5	<sup>a</sup> 11.6
White	8.7	7.1	7.7	9.6	9.8	11.4	9.2	9.8	12.3	13.3	10.4	8.5	8.9	11.5	12.1
All other	9.9	9.0	7.8	9.0	7.8	13.6	12.2	9.4	11.7	10.3	11.7	10.8	8.8	11.5	9.3
Black	<sup>a</sup> 12.8	<sup>a</sup> 14.2	<sup>a</sup> 14.5	<sup>a</sup> 11.5	<sup>a</sup> 6.2	<sup>a</sup> 21.3	<sup>a</sup> 21.4	<sup>a</sup> 16.0	<sup>a</sup> 13.0	<sup>a</sup> 6.2	<sup>a</sup> 18.4	<sup>a</sup> 19.9	<sup>a</sup> 16.0	<sup>a</sup> 13.0	<sup>a</sup> 6.2
New York	11.1	11.4	11.4	11.5	11.6	16.7	17.0	17.0	17.2	17.2	15.6	16.0	15.9	16.2	16.1
White	9.3	9.9	10.1	10.4	10.6	13.9	14.5	15.1	15.3	15.6	12.9	13.7	14.2	14.5	14.6
All other	16.1	15.7	15.0	14.7	14.7	24.2	23.7	22.2	22.5	21.8	22.6	22.3	21.0	21.2	20.5
Black	18.3	17.5	16.5	16.2	15.8	27.5	26.5	24.5	24.6	23.5	25.7	25.0	23.2	23.1	22.1
North Carolina	12.0	11.9	11.9	12.0	13.0	16.6	16.6	16.4	16.3	17.0	15.4	15.6	15.3	16.3	16.8
White	9.4	9.6	9.6	10.0	11.1	12.9	13.5	13.3	13.3	14.6	11.8	12.6	12.4	12.4	13.3
All other	17.4	16.8	16.8	16.5	17.2	24.3	23.3	23.0	23.0	22.4	23.0	21.7	21.7	21.8	21.2
Black	18.2	17.6	17.6	17.2	17.9	25.8	24.4	24.1	24.2	23.3	24.2	22.7	22.9	22.8	22.1
North Dakota	8.2	7.9	7.9	8.0	8.0	12.4	10.8	10.9	10.9	11.1	10.8	10.3	10.4	9.7	10.1
White	7.8	7.7	7.8	7.9	7.8	11.6	10.8	10.6							

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Table 4-4. Perinatal Mortality Ratios for Three Definitions, by Race: United States and Each State, 1984-88—Con.

[Perinatal Definition I includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 28 weeks or more; Perinatal Definition II includes infant deaths of less than 28 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; Perinatal Definition III includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix. Ratios per 1,000 live births]

Area and race	Perinatal Definition I <sup>1</sup>					Perinatal Definition II					Perinatal Definition III				
	1988	1987	1986	1985	1984	1988	1987	1986	1985	1984	1988	1987	1986	1985	1984
Ohio	9.3	9.3	10.4	10.7	10.7	13.1	13.2	14.0	14.4	14.3	11.9	12.1	13.0	13.3	13.1
White	8.6	8.6	9.5	9.8	9.7	12.0	11.9	12.7	13.0	12.8	10.9	10.8	11.7	11.9	11.7
All other	12.8	12.9	15.3	15.7	16.2	18.7	19.8	20.8	21.8	22.5	17.2	18.2	19.6	20.5	21.3
Black	13.3	13.4	15.7	16.3	16.7	19.4	20.5	21.3	22.8	23.1	17.8	18.9	20.1	21.5	21.9
Oklahoma	9.2	10.0	10.2	10.6	11.2	12.5	13.6	14.0	14.4	15.5	11.6	12.6	12.9	13.1	14.3
White	9.1	9.4	9.7	10.4	11.0	12.4	12.6	13.6	14.1	15.3	11.5	11.6	12.5	12.8	14.1
All other	9.6	12.0	12.1	11.1	12.1	12.8	16.7	15.2	15.4	16.1	12.0	15.9	14.4	14.3	15.2
Black	12.4	16.7	16.7	14.9	16.9	16.9	23.9	21.2	22.3	21.0	16.1	23.1	20.5	20.4	20.1
Oregon	7.5	7.9	8.1	8.3	8.0	10.6	11.3	11.6	11.4	11.4	9.6	10.4	10.7	10.3	10.4
White	7.4	8.0	7.8	8.4	8.1	10.6	11.6	11.3	11.6	11.5	9.6	10.6	10.4	10.5	10.4
All other	8.2	6.5	10.8	7.2	7.0	10.3	8.5	14.8	9.6	9.8	9.7	7.8	13.8	8.3	9.5
Black	13.7	7.9	15.7	10.2	14.3	15.6	11.8	24.1	13.3	14.3	14.7	10.8	20.9	11.2	14.3
Pennsylvania	10.3	10.6	10.6	11.6	11.4	15.3	16.2	16.6	16.5	16.8	14.3	15.0	14.6	15.4	15.7
White	9.0	9.2	9.6	10.7	10.3	13.1	13.6	13.8	15.0	14.8	12.2	12.7	12.9	13.9	13.8
All other	16.6	17.4	15.9	16.6	18.1	26.0	28.8	25.2	25.1	29.0	24.2	26.5	23.5	23.5	27.3
Black	17.8	18.6	17.0	17.5	19.0	27.7	30.8	27.0	26.3	30.7	25.9	28.3	25.2	24.8	28.8
Rhode Island	8.2	8.5	9.2	9.4	10.3	13.0	12.4	14.4	13.7	14.3	12.0	11.4	13.2	12.6	13.1
White	7.6	7.9	9.1	8.8	10.5	12.1	11.6	13.7	13.1	14.7	11.1	10.5	12.6	12.0	13.6
All other	12.9	12.6	10.9	14.9	8.3	20.0	18.3	20.5	19.4	10.6	18.2	18.3	18.5	17.9	9.1
Black	12.0	13.6	13.6	19.3	9.2	20.6	20.7	26.1	25.7	12.6	18.9	20.7	23.0	23.6	10.3
South Carolina	12.7	13.2	13.4	14.9	15.4	18.9	19.0	18.9	20.9	21.8	17.7	17.8	17.4	19.2	20.5
White	10.2	9.9	10.4	10.2	12.3	14.8	14.1	14.3	14.6	17.0	13.9	13.0	13.2	13.4	15.9
All other	16.4	18.2	18.1	22.1	20.2	25.0	26.4	25.8	30.6	29.2	23.5	25.1	23.9	28.4	27.6
Black	16.5	18.5	18.4	22.5	20.5	25.2	26.8	26.2	31.1	29.7	23.6	25.4	24.3	28.9	28.1
South Dakota	9.0	8.8	10.9	9.6	9.7	12.0	11.5	13.5	13.2	13.2	11.1	10.4	12.2	10.6	11.7
White	8.7	8.3	10.0	9.5	8.7	12.1	10.4	12.4	11.4	12.2	11.1	9.7	11.2	10.3	10.6
All other	10.4	10.8	15.5	10.0	15.6	11.4	16.8	19.0	12.9	18.7	10.9	13.8	17.0	11.9	17.7
Black	17.9	-	25.2	-	19.8	17.9	-	25.2	-	19.8	17.9	-	25.2	-	19.8
Tennessee	10.1	11.6	11.2	11.7	12.4	13.0	14.2	14.0	15.0	15.6	11.8	13.0	12.8	13.4	14.3
White	7.7	9.8	9.6	9.5	11.0	9.9	11.7	11.6	12.2	13.6	9.1	10.9	10.8	10.9	12.6
All other	17.5	16.9	16.3	18.7	16.9	22.1	21.9	21.6	24.0	22.1	20.0	19.5	19.4	21.5	19.9
Black	17.9	17.2	16.7	19.0	17.1	22.4	22.3	22.0	24.4	22.5	20.3	19.8	19.8	21.8	20.3
Texas	8.8	9.2	9.6	10.0	10.7	12.1	12.7	13.0	13.4	14.8	11.1	11.6	12.0	12.3	13.6
White	8.1	8.5	8.7	9.4	10.1	11.1	11.6	11.9	12.6	13.8	10.1	10.6	10.9	11.5	12.7
All other	11.9	13.0	14.0	12.9	14.1	16.9	17.9	18.7	17.9	19.8	15.6	16.5	17.5	16.6	18.5
Black	13.3	14.3	15.1	14.1	15.5	18.7	19.8	20.4	19.6	21.6	17.3	18.3	19.0	18.1	20.2
Utah	5.7	7.5	7.7	8.3	8.9	8.8	11.2	11.4	12.3	12.2	7.8	10.3	10.3	11.0	11.1
White	5.9	7.5	7.5	8.3	8.8	8.9	11.2	11.4	12.4	12.1	7.9	10.4	10.2	11.1	11.1
All other	3.8	6.9	10.1	7.7	10.4	6.7	9.8	12.6	10.8	14.6	5.7	8.9	12.1	8.7	12.0
Black	-	12.1	3.1	10.0	14.9	6.2	18.1	9.3	13.4	14.9	6.2	15.1	9.3	13.4	14.9
Vermont	6.7	8.2	9.6	9.2	10.0	10.1	11.3	12.9	12.4	13.5	9.4	10.3	11.7	11.7	12.8
White	6.7	8.3	9.4	9.3	9.9	10.2	11.4	12.8	12.5	13.3	9.5	10.4	11.6	11.8	12.7
All other	-	-	22.2	-	13.0	-	-	22.2	-	26.0	-	-	22.2	-	26.0
Black	-	-	38.5	-	-	-	-	38.5	-	-	-	-	38.5	-	-
Virginia	10.6	10.1	11.7	12.2	12.8	17.0	16.1	18.3	18.6	19.3	15.8	15.1	17.3	17.9	18.0
White	8.4	8.3	9.7	10.1	10.9	13.1	13.1	15.2	15.4	16.1	12.2	12.3	14.3	14.1	15.0
All other	16.4	15.2	17.1	18.0	18.0	27.1	24.2	26.6	27.6	28.0	25.1	22.7	25.3	26.2	28.0
Black	17.9	16.6	18.5	19.7	19.2	29.8	26.4	28.8	30.4	30.2	27.6	24.9	27.4	28.8	28.0
Washington	7.1	7.5	8.4	8.6	8.7	9.8	11.1	11.7	12.0	11.9	8.9	9.8	10.7	10.6	10.7
White	6.9	7.2	8.4	8.5	8.5	9.4	10.7	11.6	11.8	11.7	8.5	9.5	10.6	10.4	10.5
All other	8.6	9.4	8.3	8.4	9.8	12.4	13.7	12.7	13.0	13.6	11.5	12.0	11.1	11.6	12.5
Black	11.7	13.8	8.7	12.9	15.1	16.6	19.2	15.6	18.8	20.6	15.8	17.2	14.1	16.9	18.4
West Virginia	9.8	10.7	10.7	11.5	11.4	13.3	14.7	14.6	15.4	15.6	12.4	13.6	13.2	14.2	14.4
White	9.4	10.3	10.5	11.0	11.3	12.8	14.3	14.4	14.8	15.4	11.8	13.1	13.0	13.6	14.2
All other	18.2	18.3	15.6	22.8	14.2	23.9	23.1	20.5	27.4	20.9	23.0	23.1	17.6	27.4	19.9
Black	19.4	20.6	17.3	24.8	15.0	24.8	24.9	22.7	29.9	22.5	23.8	24.9	19.5	29.9	21.4
Wisconsin	8.2	8.2	9.1	9.0	10.2	11.0	11.3	12.1	12.0	13.2	10.3	10.5	11.3	11.2	12.1
White	7.6	7.6	8.5	8.3	9.6	9.9	10.3	11.0	10.8	12.2	9.2	9.7	10.2	10.1	11.2
All other	11.7	12.6	13.7	15.1	15.9	18.9	18.2	20.3	21.9	22.6	17.4	16.9	19.4	20.8	20.5
Black	13.7	14.4	17.3	17.4	18.5	22.5	21.4	24.8	25.7	20.9	19.8	24.3	24.3	24.2	24.2
Wyoming	8.0	11.0	9.8	10.2	10.8	11.3	13.5	12.6	13.1	14.4	10.6	13.0	11.5	12.4	13.1
White	8.2	10.7	10.2	10.3	10.9	11.5	13.2	13.0	13.1	14.2	10.9	12.7	11.7	12.3	13.1
All other	4.1	15.8	4.4	9.6	8.4	8.2	18.1	6.5	13.4	16.8	6.1	18.1	6.5	13.4	12.6
Black	8.4	8.9	-	9.9	-	8.4	17.9	11.4	29.7	18.9	8.4	17.9	11.4	29.7	9.4

<sup>1</sup> Figures for gestational age not stated are distributed for fetal deaths; see Technical Appendix.

<sup>2</sup> Ratio based on less than 20 infant and fetal deaths.

<sup>3</sup> Minimum fetal death reporting requirements are assumed to exceed 20 weeks gestation; see Technical Appendix.



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Table 4-5. Perinatal Deaths and Mortality Ratios and Rates for Three Definitions, by Race: United States and Each State, 1988

[Perinatal Definition I includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 28 weeks or more; Perinatal Definition II includes infant deaths of less than 28 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; Perinatal Definition III includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix. Frequencies for Perinatal Definition I may not add to totals; see Technical Appendix. Ratios per 1,000 live births. Rates per 1,000 live births and specified fetal deaths.]

Area and race	Perinatal Definition I			Perinatal Definition II			Perinatal Definition III		
	Deaths	Ratio	Rate	Deaths	Ratio	Rate	Deaths	Ratio	Rate
United States	38,080	9.7	9.7	54,132	13.8	13.7	49,913	12.8	12.7
White	25,651	8.4	8.4	35,972	11.8	11.7	33,034	10.8	10.8
All other	12,429	14.4	14.3	18,160	21.0	20.8	16,879	19.6	19.3
Black	11,175	16.6	16.5	16,370	24.4	24.1	15,243	22.7	22.4
Alabama	737	12.1	12.1	1,121	18.5	18.3	1,028	16.9	16.7
White	384	9.8	9.7	563	14.4	14.2	519	13.2	13.1
All other	353	16.4	16.3	558	25.9	25.5	509	23.6	23.3
Black	347	16.5	16.4	550	26.2	25.8	503	24.0	23.6
Alaska	81	7.2	7.2	126	11.2	11.1	112	10.0	9.9
White	42	5.8	5.8	64	8.8	8.8	56	7.7	7.7
All other	38	9.6	9.5	62	15.6	15.5	56	14.1	14.0
Black	13	20.2	20.0	18	28.0	27.5	18	28.0	27.5
Arizona	569	8.7	8.6	806	12.3	12.2	733	11.2	11.1
White	449	8.2	8.2	651	11.9	11.8	587	10.7	10.7
All other	120	11.0	10.9	155	14.2	14.1	146	13.4	13.3
Black	58	18.9	18.8	75	24.4	24.2	70	22.8	22.6
Arkansas	370	10.6	10.5	518	14.8	14.7	465	13.3	13.2
White	223	8.5	8.5	308	11.7	11.7	279	10.6	10.6
All other	148	16.8	16.6	210	23.8	23.5	186	21.1	20.8
Black	147	17.6	17.5	208	24.9	24.6	184	22.1	21.8
California	4,663	8.7	8.7	6,352	11.9	11.8	5,822	10.9	10.8
White	3,463	8.3	8.3	4,620	11.1	11.1	4,246	10.2	10.2
All other	1,200	10.2	10.1	1,732	14.7	14.6	1,576	13.4	13.3
Black	792	14.8	14.7	1,170	21.8	21.6	1,059	19.7	19.5
Colorado	465	8.7	8.7	704	13.2	13.1	645	12.1	12.0
White	416	8.6	8.6	618	12.8	12.7	584	11.7	11.6
All other	49	9.7	9.7	86	17.0	16.8	81	16.0	15.8
Black	35	11.1	11.0	68	21.5	21.2	64	20.2	20.0
Connecticut	441	9.2	9.1	625	13.0	12.9	585	12.2	12.1
White	340	8.4	8.4	488	11.5	11.5	439	10.8	10.8
All other	101	13.4	13.4	157	20.9	20.6	146	19.4	19.2
Black	96	14.7	14.6	148	22.7	22.4	138	21.2	20.9
Delaware	122	11.7	11.7	155	14.9	14.8	148	14.2	14.1
White	68	8.7	8.7	93	11.9	11.8	87	11.1	11.1
All other	54	20.9	20.8	62	24.0	23.8	61	23.6	23.4
Black	53	22.0	21.8	61	25.3	25.1	60	24.9	24.7
District of Columbia	225	21.3	21.2	319	30.3	29.9	297	28.2	27.8
White	23	13.8	13.8	38	22.8	22.6	35	21.1	20.9
All other	202	22.8	22.6	281	31.6	31.2	262	29.5	29.1
Black	201	24.6	24.4	280	34.3	33.8	261	32.0	31.5
Florida	2,079	11.3	11.2	2,854	15.5	15.4	2,642	14.3	14.2
White	1,238	9.1	9.0	1,688	12.4	12.3	1,541	11.3	11.2
All other	841	17.7	17.5	1,166	24.5	24.1	1,101	23.1	22.8
Black	819	18.3	18.2	1,143	25.6	25.2	1,078	24.1	23.8
Georgia	1,315	12.4	12.3	2,076	19.6	19.4	1,947	18.4	18.2
White	609	9.2	9.1	946	14.2	14.1	887	13.4	13.2
All other	706	17.9	17.8	1,130	28.6	28.2	1,060	26.8	26.4
Black	694	18.3	18.2	1,113	29.4	28.9	1,044	27.6	27.1
Hawaii	161	8.5	8.4	270	14.2	14.1	254	13.3	13.2
White	42	9.2	9.1	72	15.7	15.6	71	15.5	15.3
All other	119	8.2	8.2	198	13.7	13.6	183	12.7	12.5
Black	7	7.8	7.8	14	15.7	15.5	13	14.6	14.4
Idaho	105	6.7	6.6	157	10.0	9.9	144	9.1	9.1
White	102	6.8	6.7	148	9.8	9.7	137	9.1	9.0
All other	3	4.7	4.7	9	14.2	14.1	7	11.0	10.9
Black	-	-	-	1	12.5	12.5	-	-	-
Illinois	1,989	10.8	10.7	2,707	14.6	14.6	2,485	13.4	13.3
White	1,203	8.7	8.7	1,637	11.9	11.8	1,489	10.8	10.8
All other	786	16.6	16.5	1,070	22.6	22.4	996	21.1	20.8
Black	754	18.0	17.9	1,024	24.4	24.1	954	22.7	22.5
Indiana	820	10.0	10.0	1,129	13.8	13.7	1,037	12.7	12.6
White	644	9.0	9.0	900	12.6	12.5	825	11.6	11.5
All other	176	17.0	16.9	229	22.1	21.9	212	20.5	20.2
Black	176	18.6	18.5	227	24.0	23.7	211	22.3	22.1
Iowa	342	9.0	8.9	461	12.1	12.0	421	11.0	11.0
White	324	8.9	8.9	432	11.9	11.8	394	10.9	10.8
All other	19	10.4	10.4	29	15.9	15.8	27	14.8	14.7
Black	13	11.2	11.2	21	18.2	18.0	19	16.4	16.3
Kansas	316	8.1	8.1	416	10.7	10.7	391	10.1	10.0
White	250	7.4	7.3	328	9.7	9.6	309	9.1	9.1
All other	67	13.8	13.7	88	18.1	18.0	82	16.9	16.8
Black	56	15.4	15.4	77	21.2	21.0	72	19.9	19.7
Kentucky	531	10.4	10.3	754	14.8	14.6	687	13.5	13.3
White	445	9.8	9.7	630	13.8	13.7	572	12.6	12.5
All other	86	15.5	15.4	124	22.3	22.1	115	20.7	20.5
Black	84	16.4	16.3	121	23.6	23.3	112	21.9	21.8

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Table 4-5. Perinatal Deaths and Mortality Ratios and Rates for Three Definitions, by Race: United States and Each State, 1988—Con.

[Perinatal Definition I includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 28 weeks or more; Perinatal Definition II includes infant deaths of less than 28 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; Perinatal Definition III includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix. Frequencies for Perinatal Definition I may not add to totals; see Technical Appendix. Ratios per 1,000 live births. Rates per 1,000 live births and specified fetal deaths.]

Area and race	Perinatal Definition I *			Perinatal Definition II			Perinatal Definition III		
	Deaths	Ratio	Rate	Deaths	Ratio	Rate	Deaths	Ratio	Rate
Louisiana	817	11.1	11.0	1,124	15.2	15.1	1,042	14.1	14.0
White	374	8.8	8.8	520	12.3	12.2	475	11.2	11.1
All other	443	14.0	14.0	604	19.1	19.0	567	18.0	17.8
Black	437	14.6	14.5	595	19.8	19.6	558	18.6	18.4
Maine	150	8.7	8.7	205	11.9	11.9	190	11.1	11.0
White	140	8.3	8.3	192	11.4	11.4	177	10.5	10.5
All other	10	26.0	25.3	13	33.8	32.7	13	33.8	32.7
Black	10	83.3	76.9	12	100.0	90.9	12	100.0	90.9
Maryland	809	10.7	10.6	1,164	15.4	15.2	1,073	14.2	14.1
White	394	8.1	8.0	554	11.3	11.3	505	10.3	10.3
All other	415	15.5	15.4	610	22.7	22.5	568	21.2	20.9
Black	401	16.9	16.8	584	24.5	24.3	545	22.0	22.6
Massachusetts	725	8.2	8.2	1,033	11.7	11.6	965	10.9	10.9
White	583	7.7	7.7	821	10.8	10.8	760	10.0	10.0
All other	142	11.5	11.5	212	17.2	17.0	205	16.6	16.5
Black	131	15.3	15.2	196	22.8	22.5	190	22.1	21.9
Michigan	1,314	9.4	9.4	1,797	12.9	12.8	1,625	11.6	11.6
White	803	7.2	7.2	1,103	9.9	9.9	984	8.9	8.8
All other	511	17.9	17.8	694	24.3	24.0	641	22.4	22.2
Black	495	19.0	18.9	673	25.8	25.6	623	23.9	23.7
Minnesota	526	7.9	7.9	757	11.3	11.3	714	10.7	10.6
White	445	7.4	7.3	647	10.7	10.6	607	10.1	10.0
All other	81	12.7	12.7	110	17.3	17.1	107	16.8	16.7
Black	52	18.8	18.6	67	24.2	23.9	67	24.2	23.9
Mississippi	494	11.7	11.7	743	17.7	17.5	688	16.4	16.2
White	193	8.9	8.8	273	12.6	12.5	248	11.4	11.3
All other	301	14.8	14.7	470	23.1	22.8	440	21.6	21.3
Black	297	15.0	14.9	463	23.3	23.0	434	21.9	21.6
Missouri	731	9.6	9.5	1,002	13.1	13.0	921	12.0	12.0
White	542	8.6	8.6	734	11.7	11.6	672	10.7	10.6
All other	189	13.7	13.7	268	19.5	19.3	249	18.1	17.9
Black	182	14.3	14.3	260	20.5	20.3	241	19.0	18.8
Montana	106	9.1	9.0	142	12.1	12.1	134	11.5	11.4
White	89	9.0	9.0	120	12.2	12.1	112	11.4	11.3
All other	17	9.3	9.2	22	12.0	11.9	22	12.0	11.9
Black	1	12.8	12.0	1	12.0	12.0	1	12.0	12.0
Nebraska	222	9.3	9.2	290	12.1	12.0	269	11.3	11.2
White	188	8.6	8.6	246	11.3	11.2	229	10.5	10.4
All other	34	16.0	15.9	44	20.7	20.5	40	18.8	18.5
Black	28	19.6	19.4	37	25.9	25.5	34	23.8	23.4
Nevada	141	7.8	7.8	207	11.5	11.4	200	11.1	11.0
White	103	7.0	7.0	150	10.2	10.1	145	9.8	9.8
All other	38	11.6	11.5	57	17.4	17.2	55	16.8	16.6
Black	34	17.2	17.0	48	24.3	23.9	47	23.8	23.4
New Hampshire	143	8.2	8.2	195	11.2	11.2	178	10.3	10.2
White	137	8.1	8.1	187	11.1	11.0	171	10.2	10.1
All other	6	11.4	11.3	8	15.2	15.0	7	13.3	13.2
Black	5	33.6	32.9	5	33.6	32.9	5	33.6	32.9
New Jersey	1,201	10.2	10.2	1,716	14.6	14.5	1,578	13.4	13.3
White	742	8.3	8.2	1,058	11.8	11.7	964	10.8	10.7
All other	459	16.3	16.2	660	23.5	23.2	614	21.9	21.6
Black	416	17.5	17.4	611	25.7	25.4	570	24.0	23.7
New Mexico	241	8.9	8.9	320	11.8	11.8	287	10.6	10.6
White	191	8.7	8.7	251	11.4	11.4	228	10.4	10.3
All other	50	9.9	9.8	69	13.6	13.5	59	11.7	11.6
Black	9	12.8	12.7	15	21.3	21.0	13	18.4	18.2
New York	3,120	11.1	11.1	4,691	16.7	16.6	4,366	15.6	15.4
White	1,892	9.3	9.2	2,842	13.9	13.8	2,637	12.9	12.8
All other	1,228	16.1	16.0	1,849	24.2	23.9	1,729	22.6	22.3
Black	1,161	18.3	18.1	1,746	27.5	27.1	1,636	25.7	25.4
North Carolina	1,170	12.0	11.9	1,619	16.6	16.4	1,506	15.4	15.3
White	619	9.4	9.3	850	12.9	12.8	778	11.8	11.7
All other	551	17.4	17.3	769	24.3	24.0	728	23.0	22.7
Black	527	18.2	18.1	738	25.6	25.2	699	24.2	23.9
North Dakota	83	8.2	8.2	125	12.4	12.3	109	10.8	10.7
White	70	7.8	7.8	104	11.6	11.5	90	10.0	10.0
All other	13	11.6	11.5	21	18.8	18.6	19	17.0	16.8
Black	-	-	-	1	7.3	7.2	1	7.3	7.2
Ohio	1,499	9.3	9.3	2,105	13.1	13.0	1,918	11.9	11.9
White	1,148	8.6	8.6	1,593	12.0	11.9	1,448	10.9	10.8
All other	351	12.8	12.8	512	18.7	18.5	470	17.2	17.0
Black	339	13.3	13.2	498	19.4	19.3	455	17.8	17.7
Oklahoma	438	9.2	9.2	594	12.5	12.4	551	11.8	11.5
White	327	9.1	9.1	446	12.4	12.3	413	11.5	11.4
All other	111	9.6	9.6	148	12.8	12.7	138	12.0	11.9
Black	65	12.4	12.4	88	16.9	16.7	84	16.1	15.9
Oregon	300	7.5	7.5	423	10.6	10.5	386	9.6	9.6
White	273	7.4	7.4	389	10.6	10.5	354	9.6	9.6
All other	27	8.2	8.1	34	10.3	10.2	32	9.7	9.6
Black	15	13.7	13.7	17	15.6	15.5	16	14.7	14.6

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**Table 4-5. Perinatal Deaths and Mortality Ratios and Rates for Three Definitions, by Race: United States and Each State, 1988—Con.**

[Perinatal Definition I includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 28 weeks or more; Perinatal Definition II includes infant deaths of less than 28 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; Perinatal Definition III includes infant deaths of less than 7 days and fetal deaths with stated or presumed period of gestation of 20 weeks or more; see Technical Appendix. Frequencies for Perinatal Definition I may not add to totals; see Technical Appendix. Ratios per 1,000 live births. Rates per 1,000 live births and specified fetal deaths]

Area and race	Perinatal Definition I <sup>1</sup>			Perinatal Definition II			Perinatal Definition III		
	Deaths	Ratio	Rate	Deaths	Ratio	Rate	Deaths	Ratio	Rate
Pennsylvania .....	1,714	10.3	10.3	2,541	15.3	15.2	2,368	14.3	14.2
White .....	1,240	9.0	9.0	1,798	13.1	13.0	1,676	12.2	12.1
All other .....	474	16.6	16.5	743	26.0	25.6	692	24.2	23.9
Black .....	460	17.8	17.7	717	27.7	27.3	670	25.9	25.5
Rhode Island .....	117	8.2	8.2	185	13.0	12.9	170	12.0	11.9
White .....	95	7.6	7.6	151	12.1	12.0	139	11.1	11.0
All other .....	22	12.9	12.9	34	20.0	19.8	31	18.2	18.1
Black .....	14	12.0	12.0	24	20.6	20.4	22	18.9	18.7
South Carolina .....	699	12.7	12.6	1,040	18.9	18.7	976	17.7	17.5
White .....	338	10.2	10.2	489	14.8	14.6	460	13.9	13.8
All other .....	361	16.4	16.3	551	25.0	24.7	515	23.5	23.1
Black .....	354	16.5	16.4	542	25.2	24.9	507	23.6	23.3
South Dakota .....	101	9.0	9.0	<sup>2</sup> 134	12.0	11.9	<sup>2</sup> 124	11.1	11.0
White .....	80	8.7	8.7	111	12.1	12.0	102	11.1	11.0
All other .....	21	10.4	10.3	23	11.4	11.3	22	10.9	10.8
Black .....	2	17.9	17.5	2	17.9	17.5	2	17.9	17.5
Tennessee .....	716	10.1	10.1	<sup>2</sup> 916	13.0	12.9	<sup>2</sup> 836	11.8	11.7
White .....	407	7.7	7.6	526	9.9	9.9	484	9.1	9.1
All other .....	309	17.5	17.4	390	22.1	21.9	352	20.0	19.8
Black .....	304	17.9	17.7	382	22.4	22.2	346	20.3	20.1
Texas .....	2,658	8.8	8.7	3,670	12.1	12.0	3,355	11.1	11.0
White .....	2,049	8.1	8.1	2,806	11.1	11.1	2,556	10.1	10.1
All other .....	609	11.9	11.8	864	16.9	16.7	799	15.6	15.4
Black .....	582	13.3	13.2	820	18.7	18.5	758	17.3	17.1
Utah .....	207	5.7	5.7	317	8.8	8.7	281	7.8	7.8
White .....	199	5.9	5.8	303	8.9	8.9	269	7.9	7.9
All other .....	8	3.8	3.8	14	6.7	6.6	12	5.7	5.7
Black .....	-	-	-	2	6.2	6.2	2	6.2	6.2
Vermont .....	54	6.7	6.6	82	10.1	10.1	76	9.4	9.3
White .....	54	6.7	6.7	82	10.2	10.2	76	9.5	9.4
All other .....	-	-	-	-	-	-	-	-	-
Black .....	-	-	-	-	-	-	-	-	-
Virginia .....	986	10.8	10.5	1,580	17.0	16.8	1,468	15.8	15.6
White .....	565	8.4	8.3	883	13.1	13.0	822	12.2	12.1
All other .....	421	16.4	16.3	697	27.1	26.7	646	25.1	24.8
Black .....	406	17.9	17.8	675	29.8	29.3	626	27.6	27.2
Washington .....	515	7.1	7.1	713	9.8	9.8	644	8.9	8.8
White .....	430	6.9	6.8	590	9.4	9.4	530	8.5	8.4
All other .....	85	8.6	8.5	123	12.4	12.3	114	11.5	11.4
Black .....	42	11.7	11.6	60	16.6	16.5	57	15.8	15.7
West Virginia .....	215	9.8	9.8	291	13.3	13.2	270	12.4	12.3
White .....	196	9.4	9.4	266	12.8	12.7	246	11.8	11.7
All other .....	19	18.2	18.0	25	23.9	23.6	24	23.0	22.7
Black .....	18	19.4	19.3	23	24.8	24.5	22	23.8	23.5
Wisconsin .....	579	8.2	8.1	780	11.0	10.9	726	10.3	10.2
White .....	472	7.6	7.6	608	9.9	9.8	567	9.2	9.1
All other .....	107	11.7	11.7	172	18.9	18.7	159	17.4	17.2
Black .....	91	13.7	13.6	150	22.5	22.2	139	20.9	20.6
Wyoming .....	57	8.0	7.9	81	11.3	11.2	76	10.6	10.5
White .....	55	8.2	8.2	77	11.5	11.5	73	10.9	10.9
All other .....	2	4.1	4.1	4	9.2	8.1	3	6.1	6.1
Black .....	1	8.4	8.4	1	8.4	8.4	1	8.4	8.4

<sup>1</sup> Figures for gestational age not stated are distributed for fetal deaths; see Technical Appendix.  
<sup>2</sup> Minimum fetal death reporting requirements are assumed to exceed 20 weeks gestation; see Technical Appendix.

## Section 5. Accident Mortality

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Table 5-1. Deaths From Motor Vehicle Accidents, by Person Injured, Cause of Death, Race, and Sex: United States, 1988

[Includes each three-digit category from E810-E825 of the Ninth Revision International Classification of Diseases, 1975. Numbers after person injured are fourth-digit subcategory numbers]

Cause of death, race, and sex	Total deaths	Person injured									
		Driver of motor vehicle other than motorcycle	Passenger in motor vehicle other than motorcycle	Motorcyclist	Passenger on motorcycle	Occupant of streetcar	Rider of animal; occupant of animal-drawn vehicle	Pedal cyclist	Pedestrian	Other specified person	Unspecified person
		(.0)	(.1)	(.2)	(.3)	(.4)	(.5)	(.6)	(.7)	(.8)	(.9)
Motor vehicle traffic accidents (E810-E819)	48,024	18,543	9,074	2,532	305	2	7	859	7,219	37	9,446
Male	33,461	13,602	4,743	2,475	142	1	5	739	5,008	30	6,716
Female	14,563	4,941	4,331	57	163	1	2	120	2,211	7	2,730
White	41,034	16,217	7,673	2,311	285	2	7	706	5,555	30	8,248
Male	28,418	11,824	3,940	2,257	130	1	5	602	3,782	26	5,851
Female	12,616	4,393	3,733	54	155	1	2	104	1,773	4	2,397
All other	6,990	2,326	1,401	221	20	-	-	153	1,664	7	1,198
Male	5,043	1,778	803	218	12	-	-	137	1,226	4	865
Female	1,947	548	598	3	8	-	-	16	438	3	333
Black	5,558	1,865	1,007	181	17	-	-	127	1,361	5	995
Male	4,086	1,432	593	179	10	-	-	116	1,016	3	737
Female	1,472	433	414	2	7	-	-	11	345	2	258
Involving collision with train (E810)	638	297	139	4	-	-	-	-	2	1	195
Male	441	223	74	4	-	-	-	-	2	1	137
Female	197	74	65	-	-	-	-	-	-	-	58
White	574	262	127	4	-	-	-	-	2	1	178
Male	394	194	68	4	-	-	-	-	2	1	125
Female	180	68	59	-	-	-	-	-	-	-	53
All other	64	35	12	-	-	-	-	-	-	-	17
Male	47	29	6	-	-	-	-	-	-	-	12
Female	17	6	6	-	-	-	-	-	-	-	5
Black	56	33	8	-	-	-	-	-	-	-	15
Male	42	27	4	-	-	-	-	-	-	-	11
Female	14	6	4	-	-	-	-	-	-	-	4
Involving re-entrant collision with another motor vehicle (E811)	27	18	8	-	-	-	-	-	-	-	1
Male	11	8	3	-	-	-	-	-	-	-	-
Female	16	10	5	-	-	-	-	-	-	-	1
White	24	16	7	-	-	-	-	-	-	-	1
Male	10	7	3	-	-	-	-	-	-	-	-
Female	14	9	4	-	-	-	-	-	-	-	1
All other	3	2	1	-	-	-	-	-	-	-	-
Male	1	1	-	-	-	-	-	-	-	-	-
Female	2	1	1	-	-	-	-	-	-	-	-
Black	2	1	1	-	-	-	-	-	-	-	-
Male	1	1	-	-	-	-	-	-	-	-	-
Female	1	-	1	-	-	-	-	-	-	-	-
Other accident involving collision with another motor vehicle (E812)	18,306	9,032	4,671	1,389	175	-	-	2	10	8	3,019
Male	11,530	5,101	2,041	1,357	79	-	-	-	7	7	2,006
Female	6,706	2,931	2,630	32	96	-	-	-	3	1	1,013
White	16,096	7,959	3,987	1,270	161	-	-	1	8	8	2,702
Male	10,148	5,345	1,886	1,238	71	-	-	1	6	6	1,784
Female	5,948	2,614	2,301	32	90	-	-	-	2	2	908
All other	2,210	1,073	684	119	14	-	-	1	2	1	317
Male	1,452	756	355	119	8	-	-	1	1	-	232
Female	758	317	329	-	6	-	-	-	1	-	105
Black	1,719	861	497	98	11	-	-	1	1	-	252
Male	1,145	602	266	98	6	-	-	1	-	-	174
Female	574	259	231	-	5	-	-	-	1	-	78
Involving collision with other vehicle (E813)	884	4	1	2	-	-	2	852	2	10	11
Male	755	4	-	2	-	-	1	732	1	9	6
Female	129	-	1	-	-	-	1	120	1	1	5
White	725	3	1	1	-	-	2	700	2	8	8
Male	613	3	-	1	-	-	1	598	1	7	4
Female	112	-	1	-	-	-	1	104	1	1	4
All other	159	1	-	1	-	-	-	152	-	2	3
Male	142	1	-	1	-	-	-	136	-	2	2
Female	17	-	-	-	-	-	-	16	-	-	1
Black	131	1	-	1	-	-	-	126	-	1	2
Male	120	1	-	1	-	-	-	115	-	1	2
Female	11	-	-	-	-	-	-	11	-	-	-
Involving collision with pedestrian (E814)	7,193	2	-	-	2	-	3	1	7,179	-	6
Male	4,987	-	-	-	-	-	2	-	4,979	-	5
Female	2,206	2	-	-	2	-	1	-	2,200	-	1
White	5,534	2	-	-	2	-	3	1	5,522	-	4
Male	3,763	-	-	-	-	-	2	1	3,757	-	3
Female	1,771	2	-	-	2	-	1	-	1,765	-	1
All other	1,659	-	-	-	-	-	-	-	1,667	-	2
Male	1,224	-	-	-	-	-	-	-	1,222	-	2
Female	435	-	-	-	-	-	-	-	435	-	-
Black	1,357	-	-	-	-	-	-	-	1,355	-	2
Male	1,015	-	-	-	-	-	-	-	1,013	-	2
Female	342	-	-	-	-	-	-	-	342	-	-

SECTION 5 - ACCIDENT MORTALITY - PAGE 2

Table 5-1. Deaths From Motor Vehicle Accidents, by Person Injured, Cause of Death, Race, and Sex: United States, 1988—Con.

[Includes each three-digit category from E810-E825 of the Ninth Revision International Classification of Diseases, 1975. Numbers after person injured are fourth-digit subcategory numbers]

Cause of death, race, and sex	Total deaths	Person injured									
		Driver of motor vehicle other than motorcycle	Passenger in motor vehicle other than motorcycle	Motorcyclist	Passenger on motorcycle	Occupant of streetcar	Rider of animal; occupant of animal-drawn vehicle	Pedal cyclist	Pedestrian	Other specified person	Unspecified person
		(.0)	(.1)	(.2)	(.3)	(.4)	(.5)	(.6)	(.7)	(.8)	(.9)
<b>Motor vehicle traffic accidents—Con.</b>											
<b>Other accident involving collision on the highway (E815)</b>	6,700	3,714	1,437	524	48	—	2	—	1	1	973
Male	5,197	2,972	899	515	20	—	2	—	1	1	787
Female	1,503	742	538	9	28	—	—	—	—	—	186
White	5,787	3,201	1,221	467	46	—	2	—	—	1	849
Male	4,474	2,550	764	460	18	—	2	—	—	1	679
Female	1,313	651	457	7	28	—	—	—	—	—	170
All other	913	513	216	57	2	—	—	—	1	—	124
Male	723	422	135	55	2	—	—	—	1	—	108
Female	190	91	81	2	—	—	—	—	—	—	16
Black	758	429	169	48	2	—	—	—	1	—	109
Male	610	356	109	46	2	—	—	—	1	—	98
Female	148	73	60	2	—	—	—	—	—	—	13
<b>Due to loss of control without collision on the highway (E816)</b>	8,098	4,431	1,824	481	53	—	—	—	4	4	1,301
Male	6,202	3,523	1,142	469	32	—	—	—	3	3	1,030
Female	1,896	908	682	12	21	—	—	—	1	1	271
White	7,032	3,869	1,514	449	52	—	—	—	2	3	1,143
Male	5,376	3,065	937	438	31	—	—	—	2	3	900
Female	1,656	804	577	11	21	—	—	—	—	—	243
All other	1,066	562	310	32	1	—	—	—	2	1	158
Male	826	458	205	31	1	—	—	—	1	—	130
Female	240	104	105	1	—	—	—	—	1	—	28
Black	785	423	204	26	1	—	—	—	2	1	128
Male	626	353	140	26	1	—	—	—	1	—	105
Female	159	70	64	—	—	—	—	—	1	1	23
<b>Noncollision accident while boarding or alighting (E817)</b>	14	1	2	—	1	2	—	—	—	—	8
Male	6	1	1	—	1	1	—	—	—	—	3
Female	8	—	1	—	—	—	—	—	—	—	5
White	11	1	—	—	1	2	—	—	—	—	7
Male	5	1	—	—	—	1	—	—	—	—	3
Female	6	—	—	—	1	1	—	—	—	—	4
All other	3	—	2	—	—	—	—	—	—	—	1
Male	1	—	1	—	—	—	—	—	—	—	—
Female	2	—	1	—	—	—	—	—	—	—	1
Black	3	—	2	—	—	—	—	—	—	—	1
Male	1	—	1	—	—	—	—	—	—	—	—
Female	2	—	1	—	—	—	—	—	—	—	1
<b>Other noncollision accident (E818)</b>	1,016	161	361	28	11	—	—	4	16	13	422
Male	726	124	240	28	6	—	—	4	11	9	304
Female	290	37	121	—	5	—	—	—	5	4	118
White	860	141	303	27	11	—	—	4	15	9	350
Male	618	110	199	27	6	—	—	4	10	7	255
Female	242	31	104	—	5	—	—	—	5	2	95
All other	156	20	58	1	—	—	—	—	1	4	72
Male	108	14	41	1	—	—	—	—	1	2	49
Female	48	6	17	—	—	—	—	—	—	2	23
Black	126	16	42	1	—	—	—	—	1	3	63
Male	90	11	31	1	—	—	—	—	1	2	44
Female	36	5	11	—	—	—	—	—	—	1	19
<b>Of unspecified nature (E819)</b>	5,148	883	631	104	15	—	—	—	5	—	3,510
Male	3,536	646	343	100	5	—	—	—	4	—	2,438
Female	1,612	237	288	4	10	—	—	—	1	—	1,072
White	4,391	763	513	93	12	—	—	—	4	—	3,006
Male	3,017	549	283	69	4	—	—	—	4	—	2,088
Female	1,374	214	230	4	8	—	—	—	—	—	918
All other	757	120	118	11	3	—	—	—	1	—	504
Male	519	97	60	11	1	—	—	—	—	—	350
Female	238	23	58	—	2	—	—	—	1	—	154
Black	621	101	84	9	3	—	—	—	1	—	423
Male	436	81	42	9	—	—	—	—	—	—	303
Female	185	20	42	—	2	—	—	—	1	—	120
<b>Motor vehicle nontraffic accidents (E820-E825)</b>	1,054	169	69	43	1	—	—	9	435	24	304
Male	797	151	40	41	1	—	—	7	280	21	256
Female	257	18	29	2	—	—	—	2	155	3	48
White	940	157	62	41	1	—	—	8	377	22	272
Male	709	139	35	39	1	—	—	6	242	20	227
Female	231	18	27	2	—	—	—	2	135	2	45
All other	114	12	7	2	—	—	—	1	58	2	32
Male	88	12	5	2	—	—	—	1	38	1	29
Female	26	—	2	—	—	—	—	—	20	1	3
Black	65	3	3	—	—	—	—	—	33	2	24
Male	53	3	3	—	—	—	—	—	25	1	21
Female	12	—	—	—	—	—	—	—	8	1	3

SECTION 5 - ACCIDENT MORTALITY - PAGE 3

Table 5-1. Deaths From Motor Vehicle Accidents, by Person Injured, Cause of Death, Race, and Sex: United States, 1988—Con.

[Includes each three-digit category from E810-E825 of the Ninth Revision International Classification of Diseases, 1975. Numbers after person injured are fourth-digit subcategory numbers]

Cause of death, race, and sex	Total deaths	Person injured										
		Driver of motor vehicle other than motorcycle	Passenger in motor vehicle other than motorcycle	Motorcyclist	Passenger on motorcycle	Occupant of streetcar	Rider of animal; occupant of animal-drawn vehicle	Pedalcyclist	Pedestrian	Other specified person	Unspecified person	
		(.0)	(.1)	(.2)	(.3)	(.4)	(.5)	(.6)	(.7)	(.8)	(.9)	
<b>Motor vehicle nontraffic accidents-Con.</b>												
Involving motor-driven snow vehicle (E820) .....	80	21	2	-	1	-	-	-	-	-	4	52
Male .....	71	19	1	-	1	-	-	-	-	-	4	46
Female .....	9	2	1	-	-	-	-	-	-	-	-	6
White .....	74	18	2	-	1	-	-	-	-	-	4	49
Male .....	65	16	1	-	1	-	-	-	-	-	4	43
Female .....	9	2	1	-	-	-	-	-	-	-	-	6
All other .....	6	3	-	-	-	-	-	-	-	-	-	3
Male .....	6	3	-	-	-	-	-	-	-	-	-	3
Female .....	-	-	-	-	-	-	-	-	-	-	-	-
Black .....	-	-	-	-	-	-	-	-	-	-	-	-
Male .....	-	-	-	-	-	-	-	-	-	-	-	-
Female .....	-	-	-	-	-	-	-	-	-	-	-	-
Involving other off-road motor vehicle (E821) .....	214	62	13	16	-	-	-	-	9	13	-	101
Male .....	189	56	8	15	-	-	-	-	7	12	-	91
Female .....	25	6	5	1	-	-	-	-	2	1	-	10
White .....	207	61	13	15	-	-	-	-	9	13	-	96
Male .....	182	55	8	14	-	-	-	-	7	12	-	86
Female .....	25	6	5	1	-	-	-	-	2	1	-	10
All other .....	7	1	-	-	-	-	-	-	-	-	-	5
Male .....	7	1	-	1	-	-	-	-	-	-	-	5
Female .....	-	-	-	-	-	-	-	-	-	-	-	-
Black .....	3	-	-	-	-	-	-	-	-	-	-	3
Male .....	3	-	-	-	-	-	-	-	-	-	-	3
Female .....	-	-	-	-	-	-	-	-	-	-	-	-
Other accident involving collision with moving object (E822) .....	446	15	3	5	-	-	-	9	395	2	-	17
Male .....	295	13	2	5	-	-	-	7	251	2	-	15
Female .....	151	2	1	-	-	-	-	2	144	-	-	2
White .....	384	14	2	5	-	-	-	8	340	2	-	13
Male .....	252	12	1	5	-	-	-	6	215	2	-	11
Female .....	132	2	1	-	-	-	-	2	125	-	-	2
All other .....	62	1	1	-	-	-	-	1	55	-	-	4
Male .....	43	1	1	-	-	-	-	1	36	-	-	4
Female .....	19	-	-	-	-	-	-	-	19	-	-	-
Black .....	37	1	1	-	-	-	-	-	31	-	-	4
Male .....	30	1	1	-	-	-	-	-	24	-	-	4
Female .....	7	-	-	-	-	-	-	-	7	-	-	-
Other accident involving collision with stationary object (E823) .....	66	27	10	8	-	-	-	-	5	1	-	15
Male .....	48	23	3	8	-	-	-	-	2	2	-	12
Female .....	18	4	7	-	-	-	-	-	3	1	-	3
White .....	61	24	10	8	-	-	-	-	5	1	-	13
Male .....	43	20	3	8	-	-	-	-	2	-	-	10
Female .....	18	4	7	-	-	-	-	-	3	1	-	3
All other .....	6	3	-	-	-	-	-	-	-	-	-	2
Male .....	5	3	-	-	-	-	-	-	-	-	-	2
Female .....	-	-	-	-	-	-	-	-	-	-	-	-
Black .....	2	-	-	-	-	-	-	-	-	-	-	2
Male .....	2	-	-	-	-	-	-	-	-	-	-	2
Female .....	-	-	-	-	-	-	-	-	-	-	-	-
Other accident while boarding and alighting (E824) .....	6	1	2	-	-	-	-	-	-	-	-	3
Male .....	4	1	2	-	-	-	-	-	-	-	-	1
Female .....	2	-	-	-	-	-	-	-	-	-	-	2
White .....	5	-	2	-	-	-	-	-	-	-	-	3
Male .....	3	-	2	-	-	-	-	-	-	-	-	1
Female .....	2	-	-	-	-	-	-	-	-	-	-	2
All other .....	1	1	-	-	-	-	-	-	-	-	-	-
Male .....	1	1	-	-	-	-	-	-	-	-	-	-
Female .....	-	-	-	-	-	-	-	-	-	-	-	-
Black .....	1	1	-	-	-	-	-	-	-	-	-	-
Male .....	1	1	-	-	-	-	-	-	-	-	-	-
Female .....	-	-	-	-	-	-	-	-	-	-	-	-
Other accident of other and unspecified nature (E825) .....	242	43	39	14	-	-	-	-	26	4	-	116
Male .....	180	39	24	13	-	-	-	-	20	3	-	91
Female .....	52	4	15	1	-	-	-	-	6	1	-	25
White .....	209	40	33	13	-	-	-	-	23	2	-	98
Male .....	164	36	20	12	-	-	-	-	18	2	-	76
Female .....	45	4	13	1	-	-	-	-	5	-	-	22
All other .....	33	3	6	1	-	-	-	-	3	2	-	18
Male .....	26	3	4	1	-	-	-	-	2	1	-	15
Female .....	7	-	2	-	-	-	-	-	1	1	-	3
Black .....	22	1	2	-	-	-	-	-	2	2	-	15
Male .....	17	1	2	-	-	-	-	-	1	1	-	12
Female .....	5	-	-	-	-	-	-	-	1	1	-	3







SECTION 5 - ACCIDENT MORTALITY - PAGE 6

Table 5-2. Deaths From Motor Vehicle Accidents, by Person Injured, 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Deaths are those assigned to category numbers E810-E825 of the Ninth Revision International Classification of Diseases, 1975.  
Numbers after person injured are fourth-digit subcategory numbers]

Person injured, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
Pedal cyclist (.6)	868	-	-	3	5	8	16	150	181	129	78	61	52	47
Male	746	-	-	1	3	7	11	123	152	118	67	54	43	41
Female	122	-	-	2	2	1	5	27	29	11	11	7	9	6
White	714	-	-	2	4	6	12	115	149	111	66	49	46	37
Male	608	-	-	-	3	5	8	95	123	102	57	42	37	32
Female	106	-	-	2	1	1	4	20	26	9	9	7	9	5
All other	154	-	-	1	1	2	4	35	32	18	12	12	6	10
Male	138	-	-	1	-	2	3	28	29	16	10	12	6	9
Female	16	-	-	-	1	-	1	7	3	2	2	-	-	1
Black	127	-	-	-	-	2	2	30	28	15	11	9	6	7
Male	116	-	-	-	-	2	2	25	26	14	9	9	5	6
Female	11	-	-	-	-	-	-	5	2	1	2	-	-	1
Pedestrian (.7)	7,854	15	134	124	107	88	488	531	306	406	575	608	615	496
Male	5,288	11	69	78	62	56	276	345	192	286	455	471	477	389
Female	2,366	4	65	46	45	32	192	186	114	120	120	137	138	107
White	5,932	13	102	94	74	61	344	373	234	326	449	457	444	345
Male	4,024	9	51	59	44	40	203	252	148	232	350	352	341	289
Female	1,908	4	51	35	30	21	141	121	86	94	99	105	103	76
All other	1,722	2	32	30	33	27	124	158	72	80	126	151	171	151
Male	1,264	2	18	19	18	16	73	93	44	54	105	119	136	120
Female	458	-	14	11	15	11	51	65	28	26	21	32	35	31
Black	1,394	2	23	24	22	23	94	140	59	63	88	128	152	127
Male	1,041	2	14	15	12	14	57	81	36	41	72	99	122	101
Female	353	-	9	9	10	9	37	59	23	22	16	29	30	26
Other specified person (.8)	61	1	-	1	1	2	5	5	7	12	8	4	3	3
Male	51	1	-	-	1	2	4	5	6	11	7	2	2	3
Female	10	-	-	1	-	-	1	-	1	1	1	2	1	-
White	52	1	-	-	1	1	3	3	6	12	7	4	2	3
Male	46	1	-	-	1	1	3	3	5	11	7	2	1	3
Female	6	-	-	-	-	-	-	-	-	1	-	2	1	-
All other	9	-	-	1	-	1	2	2	1	-	1	-	1	-
Male	5	-	-	-	-	1	1	2	1	-	-	-	1	-
Female	4	-	-	1	-	-	1	-	-	-	1	-	-	-
Black	7	-	-	1	-	1	2	2	1	-	-	-	-	-
Male	4	-	-	-	-	1	1	2	1	-	-	-	-	-
Female	3	-	-	1	-	-	1	-	-	-	-	-	-	-
Unspecified person (.9)	9,750	18	22	22	27	22	111	99	160	1,413	1,664	1,217	925	717
Male	6,972	13	10	7	16	10	56	55	109	1,019	1,288	936	707	538
Female	2,778	5	12	15	11	12	55	44	51	394	376	281	218	179
White	8,520	15	16	17	24	18	90	78	135	1,280	1,456	1,070	802	609
Male	6,078	10	9	6	15	7	47	46	91	924	1,121	823	613	460
Female	2,442	5	7	11	9	11	43	32	44	356	335	247	189	149
All other	1,230	3	6	5	3	4	21	25	133	208	147	123	108	108
Male	894	3	1	1	1	3	9	18	95	167	113	94	78	78
Female	336	-	5	4	2	1	12	7	38	41	34	29	30	30
Black	1,019	3	4	4	2	4	17	18	24	105	171	126	105	85
Male	758	3	-	1	1	3	8	8	17	78	139	96	85	64
Female	261	-	4	3	1	1	9	10	7	27	32	30	20	21
Motor vehicle traffic accidents (E810-E819)	48,024	210	185	212	235	205	1,047	1,129	1,193	6,694	7,506	5,777	4,505	3,378
Male	33,461	113	87	122	135	119	576	696	759	4,899	5,822	4,422	3,357	2,508
Female	14,563	97	98	90	100	86	471	433	434	2,005	1,684	1,355	1,148	870
White	41,034	168	138	163	180	156	805	857	985	5,966	6,467	4,887	3,768	2,793
Male	28,418	88	62	95	105	93	443	532	629	4,161	5,006	3,736	2,815	2,086
Female	12,616	80	76	68	75	63	362	325	356	1,805	1,461	1,151	941	727
All other	6,990	42	47	49	55	49	242	272	208	728	1,039	890	749	585
Male	5,043	25	25	27	30	26	133	164	130	528	816	686	542	442
Female	1,947	17	22	22	25	23	109	108	78	200	223	204	207	143
Black	5,558	38	41	39	38	46	202	235	169	540	781	696	619	483
Male	4,086	22	23	22	22	25	114	146	110	404	620	534	457	373
Female	1,472	16	18	17	16	21	88	89	59	136	161	162	162	110
Driver of motor vehicle other than motorcycle (.0)	18,543	3	1	-	-	2	6	8	66	2,402	3,156	2,538	2,007	1,537
Male	13,602	1	1	-	-	2	4	6	46	1,704	2,484	1,946	1,462	1,144
Female	4,941	2	-	-	-	-	2	2	20	698	692	592	525	393
White	16,217	3	-	-	-	2	5	7	62	2,181	2,744	2,151	1,700	1,318
Male	11,824	1	-	-	-	2	3	5	43	1,531	2,128	1,645	1,265	976
Female	4,393	2	-	-	-	-	2	2	19	650	616	506	435	342
All other	2,326	-	1	-	-	-	1	1	4	221	412	387	307	219
Male	1,778	-	1	-	-	-	1	1	3	173	336	301	217	168
Female	548	-	-	-	-	-	-	-	1	48	76	86	90	51
Black	1,865	-	-	-	-	-	-	1	4	169	314	289	253	182
Male	1,432	-	-	-	-	-	-	1	3	136	256	225	175	141
Female	433	-	-	-	-	-	-	-	1	33	58	64	78	41
Passenger in motor vehicle other than motorcycle (.1)	9,074	178	98	104	114	101	595	366	460	1,886	1,368	832	536	391
Male	4,743	92	41	55	58	52	298	185	241	1,142	920	524	304	219
Female	4,331	86	57	49	56	49	297	181	219	744	448	308	232	172
White	7,673	140	74	81	92	83	470	312	387	1,648	1,154	673	423	309
Male	3,940	71	28	43	46	46	234	155	207	987	786	416	242	168
Female	3,733	69	46	38	46	37	236	157	180	661	368	257	181	141
All other	1,401	38	24	23	22	18	125	54	73	238	214	159	113	82
Male	803	21	13	12	12	6	64	30	34	155	134	108	62	51
Female	598	17	11	11	10	12	61	24	39	83	80	51	51	31
Black	1,007	34	22	18	16	17	107	42	51	161	146	115	79	63
Male	593	18	13	10	10	6	57	27	26	110	95	77	46	42
Female	414	16	9	8	6	11	50	15	25	51	51	38	33	21

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Table 5-2. Deaths From Motor Vehicle Accidents, by Person Injured, 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Deaths are those assigned to category numbers E810-E825 of the Ninth Revision International Classification of Diseases, 1975. Numbers after person injured are fourth-digit subcategory numbers]

Person injured, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
Pedal cyclist (.6)	28	25	18	14	15	13	20	12	4	2	1	-	-	2
Male	25	21	14	11	14	13	20	10	4	2	1	-	-	2
Female	3	4	4	3	1	-	-	2	-	-	-	-	-	-
White	22	22	13	13	14	10	15	11	4	2	1	-	-	2
Male	19	18	9	10	13	10	15	9	4	2	1	-	-	2
Female	3	4	4	3	1	-	-	2	-	-	-	-	-	-
All other	6	3	5	1	1	3	5	1	-	-	-	-	-	-
Male	6	3	5	1	1	3	5	1	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	6	2	5	1	1	1	4	-	-	-	-	-	-	-
Male	6	2	5	1	1	1	4	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrian (.7)	458	348	319	347	357	375	372	402	359	210	58	13	2	29
Male	352	273	238	243	251	239	214	218	179	111	46	7	1	25
Female	106	75	81	104	106	136	158	184	180	99	12	6	1	4
White	358	264	245	272	280	299	299	344	331	183	49	12	2	22
Male	271	204	178	191	200	183	162	174	157	94	37	6	1	19
Female	87	60	67	81	80	116	137	170	174	89	12	6	1	3
All other	100	84	74	75	77	76	73	58	28	27	9	1	-	7
Male	81	69	60	52	51	56	52	44	22	17	9	1	-	6
Female	19	15	14	23	26	20	21	14	6	10	8	1	-	1
Black	87	69	66	61	60	53	52	48	18	15	8	1	-	5
Male	73	56	56	45	42	45	42	39	13	8	8	1	-	4
Female	14	13	10	16	18	8	10	9	5	7	-	-	-	1
Other specified person (.8)	2	1	2	2	-	2	-	2	2	-	-	1	-	-
Male	1	1	2	2	-	1	-	2	2	-	-	1	-	-
Female	1	-	-	-	-	1	-	-	-	-	-	-	-	-
White	2	1	2	2	-	1	-	2	2	-	-	1	-	-
Male	1	1	2	2	-	1	-	2	2	-	-	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	-	-	-	-
All other	-	-	-	-	-	1	-	-	-	-	-	1	-	-
Male	-	-	-	-	-	1	-	-	-	-	-	1	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	1	-	-	-	-	-	1	-	-
Male	-	-	-	-	-	1	-	-	-	-	-	1	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unspecified person (.9)	554	466	352	365	350	330	319	305	241	122	29	5	1	5
Male	389	329	241	251	221	207	202	173	148	76	20	2	1	4
Female	165	137	111	114	129	123	117	132	93	46	9	3	1	1
White	459	397	300	316	297	290	286	279	230	111	26	4	1	4
Male	328	278	202	216	183	177	180	160	141	66	17	1	1	3
Female	131	119	98	100	114	113	106	119	89	45	9	3	-	1
All other	95	69	52	49	53	40	33	26	11	11	3	1	-	1
Male	61	51	39	35	38	30	22	13	7	10	3	1	-	1
Female	34	18	13	14	15	10	11	13	4	1	-	-	-	-
Black	74	55	42	40	46	34	30	21	10	11	3	1	-	1
Male	50	40	33	28	31	25	21	13	7	10	3	1	-	1
Female	24	15	9	12	15	9	9	8	3	1	-	-	-	-
Motor vehicle traffic accidents (E810-E819)	2,654	1,990	1,746	1,675	1,673	1,715	1,658	1,539	1,272	626	168	29	6	44
Male	1,881	1,410	1,157	1,078	1,087	1,044	949	820	708	352	110	15	3	38
Female	773	580	589	597	606	671	709	719	564	274	58	14	3	6
White	2,195	1,673	1,468	1,421	1,435	1,495	1,465	1,380	1,197	567	155	26	6	35
Male	1,561	1,178	956	905	900	889	810	718	658	312	97	13	3	30
Female	634	495	512	516	535	606	655	662	539	255	58	13	3	5
All other	459	317	278	254	238	220	193	159	75	59	13	3	-	9
Male	320	232	201	173	167	155	139	102	50	40	13	2	-	8
Female	139	85	77	81	71	65	54	57	25	19	-	1	-	1
Black	367	254	232	209	194	172	153	126	59	46	12	3	-	6
Male	267	188	173	150	189	125	115	84	38	30	12	2	-	5
Female	100	66	59	59	55	47	38	42	21	16	-	1	-	1
Driver of motor vehicle other than motorcycle (.0)	1,205	892	806	716	697	673	641	539	429	181	37	4	1	2
Male	860	667	554	488	509	487	421	345	310	132	28	3	-	2
Female	345	225	252	228	188	186	220	194	119	49	9	1	1	-
White	1,026	776	704	623	612	604	584	497	410	169	37	4	1	2
Male	731	580	483	419	444	433	373	316	295	121	28	3	-	2
Female	295	196	221	204	168	171	211	181	115	48	9	1	1	-
All other	179	116	102	93	85	69	57	42	19	12	-	-	-	-
Male	129	87	71	69	65	54	48	29	15	11	-	-	-	-
Female	50	29	31	24	20	15	9	13	4	1	-	-	-	-
Black	144	94	85	61	74	60	52	36	16	11	-	-	-	-
Male	109	72	59	62	58	46	43	24	12	10	-	-	-	-
Female	35	22	26	19	16	14	9	12	4	1	-	-	-	-
Passenger in motor vehicle other than motorcycle (.1)	309	215	240	219	265	332	314	299	258	128	45	7	2	7
Male	164	83	101	66	84	98	92	84	73	40	15	3	1	6
Female	145	132	139	153	181	234	222	215	185	88	30	4	1	1
White	234	171	196	184	242	298	288	268	240	118	44	7	2	5
Male	124	64	76	51	72	83	79	70	67	37	14	3	1	4
Female	110	107	120	133	170	215	209	198	173	81	30	4	1	1
All other	75	44	44	35	23	34	26	31	18	10	1	-	-	2
Male	40	19	25	15	12	15	13	14	6	3	1	-	-	2
Female	35	25	19	20	11	19	13	17	12	7	-	-	-	-
Black	51	32	33	24	19	26	16	20	16	10	1	-	-	1
Male	25	15	19	12	7	11	6	7	6	3	1	-	-	1
Female	26	17	14	12	6	15	10	13	10	7	-	-	-	-















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Table 5-3. Deaths From Motor Vehicle Accidents, by Person Injured, Race, and Sex: United States and Each State, 1988

[Deaths are those assigned to category numbers E810-E825 of the Ninth Revision International Classification of Diseases, 1975. Numbers after person injured are fourth-digit subcategory numbers]

Area, race, and sex	Total deaths	Person injured									
		Driver of motor vehicle other than motorcycle	Passenger in motor vehicle other than motorcycle	Motorcyclist	Passenger on motorcycle	Occupant of streetcar	Rider of animal; occupant of animal-drawn vehicle	Pedal cyclist	Pedestrian	Other specified person	Unspecified person
		(.0)	(.1)	(.2)	(.3)	(.4)	(.5)	(.6)	(.7)	(.8)	(.9)
United States	49,078	18,712	9,143	2,575	306	2	7	868	7,854	61	9,750
Male	34,258	13,753	4,783	2,516	143	1	5	746	5,288	51	6,972
Female	14,820	4,959	4,360	59	163	1	2	122	2,366	10	2,778
White	41,974	16,374	7,735	2,352	286	2	7	714	5,932	52	8,520
Male	29,127	11,963	3,975	2,296	131	1	5	608	4,024	46	6,078
Female	12,847	4,411	3,760	56	155	1	2	106	1,908	6	2,442
All other	7,104	2,338	1,408	223	20	-	-	154	1,722	9	1,230
Male	5,131	1,790	808	220	12	-	-	138	1,264	5	894
Female	1,973	548	600	3	8	-	-	16	458	4	336
Black	5,623	1,868	1,010	181	17	-	-	127	1,394	7	1,019
Male	4,139	1,435	596	179	10	-	-	116	1,041	4	758
Female	1,484	433	414	2	7	-	-	11	353	3	261
Alabama	1,150	478	203	23	2	-	-	9	136	2	297
Male	794	344	103	23	2	-	-	9	109	2	202
Female	356	134	100	-	-	-	-	-	27	-	95
White	876	385	157	16	-	-	-	6	83	2	227
Male	587	268	74	16	-	-	-	6	68	2	153
Female	289	117	83	-	-	-	-	-	15	-	74
All other	274	93	46	7	2	-	-	3	53	-	70
Male	207	76	29	7	2	-	-	3	41	-	49
Female	67	17	17	-	-	-	-	-	12	-	21
Black	272	92	46	6	2	-	-	3	53	-	70
Male	205	75	29	6	2	-	-	3	41	-	49
Female	67	17	17	-	-	-	-	-	12	-	21
Alaska	106	29	13	4	-	-	-	1	18	-	41
Male	75	19	7	4	-	-	-	1	12	-	32
Female	31	10	6	-	-	-	-	-	6	-	9
White	75	21	8	3	-	-	-	1	10	-	32
Male	53	12	5	3	-	-	-	1	7	-	25
Female	22	9	3	-	-	-	-	-	3	-	7
All other	31	8	5	1	-	-	-	-	8	-	9
Male	22	7	2	1	-	-	-	-	5	-	7
Female	9	1	3	-	-	-	-	-	3	-	2
Black	2	1	1	-	-	-	-	-	-	-	-
Male	2	1	1	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-
Arizona	926	245	167	59	7	-	-	32	193	5	218
Male	646	170	86	57	2	-	-	28	135	4	164
Female	280	75	81	2	5	-	-	4	58	1	64
White	736	213	124	57	7	-	-	25	140	4	163
Male	509	146	55	55	2	-	-	25	95	4	127
Female	227	67	69	2	5	-	-	3	45	-	36
All other	190	32	43	2	-	-	-	4	53	1	55
Male	137	24	31	2	-	-	-	3	43	-	37
Female	53	8	12	-	-	-	-	1	10	1	18
Black	29	8	4	-	-	-	-	2	7	-	6
Male	17	5	-	1	-	-	-	2	6	-	3
Female	12	3	4	-	-	-	-	1	1	-	3
Arkansas	659	220	94	20	-	-	-	5	60	1	253
Male	455	171	50	19	-	-	-	5	37	1	172
Female	198	49	44	1	-	-	-	-	23	-	81
White	548	189	82	19	-	-	-	3	38	1	216
Male	380	145	43	18	-	-	-	2	24	1	146
Female	168	44	39	1	-	-	-	1	14	-	70
All other	105	31	12	1	-	-	-	2	22	-	37
Male	75	26	7	1	-	-	-	2	13	-	26
Female	30	5	5	-	-	-	-	-	9	-	9
Black	99	29	11	1	-	-	-	2	21	-	11
Male	72	25	7	1	-	-	-	2	13	-	35
Female	27	4	4	-	-	-	-	-	8	-	24
California	5,632	1,925	1,024	452	63	-	3	134	1,125	1	905
Male	4,098	1,484	595	437	26	-	2	115	768	-	671
Female	1,534	441	429	15	37	-	1	19	357	1	234
White	4,891	1,686	868	406	59	-	3	116	928	1	824
Male	3,589	1,300	518	393	24	-	2	101	636	-	615
Female	1,302	386	350	13	35	-	1	15	292	1	209
All other	741	239	156	46	4	-	-	18	197	-	81
Male	509	184	77	44	2	-	-	14	132	-	56
Female	232	55	79	2	2	-	-	4	65	-	25
Black	405	131	72	33	3	-	-	9	120	-	37
Male	298	101	37	32	1	-	-	7	89	-	31
Female	107	30	35	1	2	-	-	2	31	-	6
Colorado	564	279	129	40	10	-	-	9	60	2	35
Male	373	190	64	40	3	-	-	8	44	2	22
Female	191	89	65	-	7	-	-	1	16	-	13
White	529	261	120	40	10	-	-	9	54	2	33
Male	351	178	57	40	3	-	-	8	42	2	21
Female	178	83	63	-	7	-	-	1	12	-	12
All other	35	18	9	-	-	-	-	-	6	-	2
Male	22	12	7	-	-	-	-	-	2	-	1
Female	13	6	2	-	-	-	-	-	4	-	1
Black	21	12	4	-	-	-	-	-	4	-	1
Male	15	10	3	-	-	-	-	-	1	-	1
Female	6	2	1	-	-	-	-	-	3	-	-







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Table 5-3. Deaths From Motor Vehicle Accidents, by Person Injured, Race, and Sex: United States and Each State, 1988—Con.

[Deaths are those assigned to category numbers E810-E825 of the Ninth Revision International Classification of Diseases, 1975. Numbers after person injured are fourth-digit subcategory numbers]

Area, race, and sex	Total deaths	Person injured									
		Driver of motor vehicle other than motorcycle	Passenger in motor vehicle other than motorcycle	Motorcyclist	Passenger on motorcycle	Occupant of streetcar	Rider of animal; occupant of animal-drawn vehicle	Pedal cyclist	Pedestrian	Other specified person	Unspecified person
		(.0)	(.1)	(.2)	(.3)	(.4)	(.5)	(.6)	(.7)	(.8)	(.9)
Nebraska	298	164	68	17	5	-	-	3	28	1	12
Male	215	124	37	17	2	-	-	3	20	1	11
Female	83	40	31	-	3	-	-	-	8	-	1
White	284	159	67	16	5	-	-	2	24	-	11
Male	203	120	36	16	2	-	-	2	17	-	10
Female	81	39	31	-	3	-	-	-	7	-	1
All other	14	5	1	1	-	-	-	1	4	1	1
Male	12	4	1	1	-	-	-	1	3	1	1
Female	2	1	-	-	-	-	-	-	1	-	-
Black	5	1	-	1	-	-	-	1	2	-	-
Male	5	1	-	1	-	-	-	1	2	-	-
Female	-	-	-	-	-	-	-	-	-	-	-
Nevada	263	100	49	24	-	-	-	2	39	1	48
Male	182	67	18	24	-	-	-	2	29	1	41
Female	81	33	31	-	-	-	-	-	10	-	7
White	239	93	42	21	-	-	-	2	36	1	44
Male	167	63	16	21	-	-	-	2	28	1	38
Female	72	30	26	-	-	-	-	-	10	-	6
All other	24	7	7	3	-	-	-	-	3	-	4
Male	15	4	2	3	-	-	-	-	3	-	3
Female	9	3	5	-	-	-	-	-	-	-	1
Black	13	3	4	3	-	-	-	-	3	-	-
Male	10	2	2	3	-	-	-	-	3	-	-
Female	3	1	2	-	-	-	-	-	-	-	-
New Hampshire	164	78	38	15	-	-	-	2	17	-	14
Male	99	51	15	14	-	-	-	1	10	-	8
Female	65	27	23	1	-	-	-	1	7	-	6
White	164	78	38	15	-	-	-	2	17	-	14
Male	99	51	15	14	-	-	-	1	10	-	8
Female	65	27	23	1	-	-	-	1	7	-	6
All other	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-
New Jersey	1,129	339	177	33	4	-	-	18	267	-	291
Male	754	240	95	32	2	-	-	13	166	-	206
Female	375	99	82	1	2	-	-	5	101	-	85
White	936	287	145	30	3	-	-	13	220	-	238
Male	617	205	75	29	2	-	-	8	129	-	169
Female	319	82	70	1	1	-	-	5	91	-	69
All other	193	52	32	3	1	-	-	5	47	-	53
Male	137	35	20	3	-	-	-	5	37	-	37
Female	56	17	12	-	1	-	-	-	10	-	16
Black	180	46	28	3	1	-	-	4	42	-	36
Male	117	30	18	3	-	-	-	4	34	-	28
Female	43	16	10	-	1	-	-	-	8	-	8
New Mexico	485	209	111	31	3	-	-	4	105	1	21
Male	355	151	69	30	2	-	-	4	81	-	18
Female	130	58	42	1	1	-	-	-	24	1	3
White	363	171	80	25	3	-	-	4	65	-	14
Male	267	124	52	25	2	-	-	4	48	-	12
Female	96	47	28	1	1	-	-	-	17	-	2
All other	122	38	31	5	-	-	-	-	40	1	7
Male	88	27	17	5	-	-	-	-	33	-	6
Female	34	11	14	-	-	-	-	-	7	1	1
Black	9	3	-	-	-	-	-	-	4	-	-
Male	5	1	-	1	-	-	-	-	3	-	-
Female	4	2	-	-	-	-	-	-	1	-	-
New York	2,440	805	418	116	15	-	-	45	622	4	415
Male	1,651	590	206	116	5	-	-	42	389	4	289
Female	789	215	212	-	10	-	-	3	233	-	116
White	2,090	718	355	105	13	-	-	35	481	4	379
Male	1,406	524	175	105	4	-	-	32	295	4	267
Female	684	194	180	-	9	-	-	3	186	-	112
All other	350	87	63	11	2	-	-	10	141	-	36
Male	245	66	31	11	1	-	-	10	94	-	32
Female	105	21	32	-	1	-	-	-	47	-	4
Black	305	74	52	9	1	-	-	10	127	-	32
Male	215	55	26	9	1	-	-	10	86	-	28
Female	90	19	26	-	-	-	-	-	41	-	4
North Carolina	1,604	761	349	70	4	-	-	29	237	3	151
Male	1,114	557	176	70	4	-	-	24	168	2	113
Female	490	204	173	-	-	-	-	5	69	1	38
White	1,155	573	245	58	4	-	-	18	143	3	111
Male	780	407	115	58	4	-	-	15	101	2	78
Female	375	166	130	-	-	-	-	3	42	-	40
All other	449	188	104	12	-	-	-	11	94	1	33
Male	334	150	61	12	-	-	-	9	67	-	35
Female	115	38	43	-	-	-	-	2	27	-	5
Black	409	173	91	11	-	-	-	8	90	-	36
Male	308	138	57	11	-	-	-	7	64	-	31
Female	101	35	34	-	-	-	-	1	26	-	5

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Table 5-3. Deaths From Motor Vehicle Accidents, by Person Injured, Race, and Sex: United States and Each State, 1988—Con.

[Deaths are those assigned to category numbers E810-E825 of the Ninth Revision International Classification of Diseases, 1975. Numbers after person injured are fourth-digit subcategory numbers]

Area, race, and sex	Total deaths	Person Injured									
		Driver of motor vehicle other than motorcycle	Passenger in motor vehicle other than motorcycle	Motorcyclist	Passenger on motorcycle	Occupant of streetcar	Rider of animal; occupant of animal-drawn vehicle	Pedal cyclist	Pedestrian	Other specified person	Unspecified person
		(.0)	(.1)	(.2)	(.3)	(.4)	(.5)	(.6)	(.7)	(.8)	(.9)
North Dakota	121	57	31	8	-	-	-	3	11	1	10
Male	89	45	18	8	-	-	-	3	8	1	6
Female	32	12	13	-	-	-	-	-	3	-	4
White	105	50	27	8	-	-	-	3	7	1	9
Male	74	38	14	8	-	-	-	3	5	1	5
Female	31	12	13	-	-	-	-	-	2	-	4
All other	16	7	4	-	-	-	-	-	4	-	1
Male	15	7	4	-	-	-	-	-	3	-	1
Female	1	-	-	-	-	-	-	-	1	-	-
Black	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-
Ohio	1,799	516	249	74	6	-	-	31	221	2	701
Male	1,207	383	117	73	1	-	-	22	135	2	474
Female	592	132	132	1	5	-	-	9	86	-	227
White	1,625	454	223	66	5	-	-	28	190	2	657
Male	1,082	333	102	65	1	-	-	20	115	2	444
Female	543	121	121	1	4	-	-	8	75	-	213
All other	174	61	26	8	1	-	-	3	31	-	44
Male	125	50	15	8	-	-	-	2	20	-	30
Female	49	11	11	-	1	-	-	1	11	-	14
Black	164	58	24	8	1	-	-	3	30	-	40
Male	119	49	14	8	-	-	-	2	19	-	27
Female	45	9	10	-	1	-	-	1	11	-	13
Oklahoma	696	334	135	53	1	-	-	4	90	1	78
Male	485	248	60	52	1	-	-	3	61	1	59
Female	211	86	75	1	-	-	-	1	29	-	19
White	606	297	111	46	-	-	-	4	72	1	75
Male	426	220	51	45	-	-	-	3	48	1	58
Female	180	77	60	1	-	-	-	1	24	-	17
All other	90	37	24	7	1	-	-	1	18	-	3
Male	59	28	9	7	1	-	-	-	13	-	1
Female	31	9	15	-	-	-	-	-	5	-	2
Black	34	13	8	4	-	-	-	-	7	-	2
Male	23	9	4	4	-	-	-	-	5	-	1
Female	11	4	4	-	-	-	-	-	2	-	1
Oregon	688	313	190	42	5	-	-	12	83	2	41
Male	473	217	108	42	2	-	-	11	61	2	30
Female	215	96	82	-	3	-	-	1	22	-	11
White	649	304	174	41	5	-	-	12	72	2	39
Male	446	210	99	41	2	-	-	11	53	2	28
Female	203	94	75	-	3	-	-	1	19	-	11
All other	39	9	16	1	-	-	-	-	11	-	2
Male	27	7	9	1	-	-	-	-	8	-	2
Female	12	2	7	-	-	-	-	-	3	-	1
Black	10	3	-	1	-	-	-	-	5	-	1
Male	10	3	-	1	-	-	-	-	5	-	1
Female	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania	2,007	472	256	64	5	-	-	30	307	3	870
Male	1,392	356	128	63	1	-	-	28	197	3	616
Female	615	116	128	1	4	-	-	2	110	-	254
White	1,862	433	231	59	4	-	-	26	265	3	841
Male	1,292	327	115	58	1	-	-	24	169	3	595
Female	570	106	116	1	3	-	-	2	96	-	246
All other	145	39	25	5	1	-	-	4	42	-	29
Male	100	29	13	5	-	-	-	4	28	-	21
Female	45	10	12	1	1	-	-	1	14	-	8
Black	130	37	20	4	1	-	-	4	39	-	25
Male	92	27	12	4	-	-	-	4	26	-	19
Female	38	10	8	-	1	-	-	-	13	-	6
Rhode Island	146	74	25	11	1	-	-	1	28	-	8
Male	96	47	15	11	-	-	-	-	16	-	7
Female	50	27	10	-	1	-	-	1	10	-	1
White	140	72	24	10	1	-	-	1	25	-	7
Male	91	46	14	10	-	-	-	-	15	-	6
Female	49	26	10	-	1	-	-	1	10	-	1
All other	6	2	1	1	-	-	-	-	1	-	1
Male	5	1	1	1	-	-	-	-	1	-	1
Female	1	1	-	-	-	-	-	-	-	-	-
Black	5	1	1	1	-	-	-	-	1	-	1
Male	5	1	1	1	-	-	-	-	1	-	1
Female	-	-	-	-	-	-	-	-	-	-	-
South Carolina	1,043	522	243	51	4	1	1	10	125	1	85
Male	753	381	140	50	2	1	1	8	100	1	70
Female	290	141	103	1	2	-	-	2	25	-	15
White	692	374	165	40	4	-	-	6	54	-	47
Male	492	259	92	39	2	-	-	6	42	-	41
Female	200	105	73	1	2	-	-	1	12	-	6
All other	351	148	78	11	-	-	-	4	71	1	38
Male	261	112	48	11	-	-	-	2	58	1	29
Female	90	36	30	-	-	-	-	2	13	-	9
Black	345	146	76	11	-	-	-	4	70	1	37
Male	256	110	47	11	-	-	-	2	57	1	28
Female	89	36	29	-	-	-	-	2	13	-	9

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Table 5-3. Deaths From Motor Vehicle Accidents, by Person Injured, Race, and Sex: United States and Each State, 1988—Con.

[Deaths are those assigned to category numbers E810-E825 of the Ninth Revision International Classification of Diseases, 1975. Numbers after person injured are fourth-digit subcategory numbers]

Area, race, and sex	Total deaths	Person injured									
		Driver of motor vehicle other than motorcycle	Passenger in motor vehicle other than motorcycle	Motorcyclist	Passenger on motorcycle	Occupant of streetcar	Rider of animal; occupant of animal-drawn vehicle	Pedal cyclist	Pedestrian	Other specified person	Unspecified person
		(.0)	(.1)	(.2)	(.3)	(.4)	(.5)	(.6)	(.7)	(.8)	(.9)
South Dakota	148	72	89	8	--	--	--	2	23	--	4
Male	103	55	17	7	--	--	--	1	20	--	3
Female	45	17	22	1	--	--	--	1	3	--	1
White	122	65	29	8	--	--	--	1	16	--	3
Male	88	50	13	7	--	--	--	--	13	--	3
Female	36	15	16	1	--	--	--	1	3	--	--
All other	26	7	10	--	--	--	--	1	7	--	1
Male	17	5	4	--	--	--	--	1	7	--	--
Female	9	2	6	--	--	--	--	--	--	--	1
Black	1	--	1	--	--	--	--	--	--	--	--
Male	--	--	--	--	--	--	--	--	--	--	--
Female	1	--	1	--	--	--	--	--	--	--	--
Tennessee	1,290	655	277	52	2	--	--	9	124	--	171
Male	928	500	149	51	1	--	--	9	103	--	115
Female	362	155	128	1	1	--	--	--	21	--	56
White	1,131	583	253	49	2	--	--	4	93	--	147
Male	801	440	183	48	1	--	--	4	79	--	96
Female	330	143	120	1	1	--	--	--	14	--	51
All other	159	72	24	3	--	--	--	5	31	--	24
Male	127	60	16	3	--	--	--	5	24	--	19
Female	32	12	8	--	--	--	--	--	7	--	5
Black	154	69	23	3	--	--	--	5	31	--	23
Male	124	57	16	3	--	--	--	5	24	--	19
Female	30	12	7	--	--	--	--	--	7	--	4
Texas	3,475	1,326	708	229	23	--	--	78	542	3	586
Male	2,486	995	364	225	11	--	--	75	404	3	409
Female	989	331	344	4	12	--	--	3	138	--	157
White	3,073	1,180	633	212	23	--	--	59	459	3	504
Male	2,198	882	330	208	11	--	--	56	346	3	382
Female	875	298	303	4	12	--	--	3	113	3	142
All other	402	146	75	17	--	--	--	19	83	--	82
Male	288	113	34	17	--	--	--	19	58	--	47
Female	114	33	41	--	--	--	--	--	25	--	15
Black	356	132	58	17	--	--	--	15	76	--	58
Male	259	103	26	17	--	--	--	15	55	--	43
Female	97	29	32	--	--	--	--	--	21	--	15
Utah	307	129	87	21	3	--	1	5	43	1	17
Male	212	96	39	19	1	--	1	4	36	1	15
Female	95	33	48	2	2	--	--	1	7	--	2
White	287	123	79	20	3	--	1	5	40	1	15
Male	198	92	35	18	1	--	1	4	33	1	13
Female	89	31	44	2	2	--	--	1	7	--	2
All other	20	6	8	1	--	--	--	--	3	--	2
Male	14	4	4	1	--	--	--	--	3	--	2
Female	6	2	4	--	--	--	--	--	--	--	--
Black	3	--	1	--	--	--	--	--	2	--	--
Male	3	--	1	--	--	--	--	--	2	--	--
Female	--	--	--	--	--	--	--	--	--	--	--
Vermont	115	41	22	--	1	--	--	1	8	--	42
Male	71	23	13	--	--	--	--	1	4	--	30
Female	44	18	9	--	1	--	--	--	4	--	12
White	115	41	22	--	1	--	--	1	8	--	42
Male	71	23	13	--	--	--	--	1	4	--	30
Female	44	18	9	--	1	--	--	--	4	--	12
All other	--	--	--	--	--	--	--	--	--	--	--
Male	--	--	--	--	--	--	--	--	--	--	--
Female	--	--	--	--	--	--	--	--	--	--	--
Black	--	--	--	--	--	--	--	--	--	--	--
Male	--	--	--	--	--	--	--	--	--	--	--
Female	--	--	--	--	--	--	--	--	--	--	--
Virginia	1,024	449	201	41	3	--	--	20	129	--	181
Male	743	344	110	41	2	--	--	20	92	--	134
Female	281	105	91	--	1	--	--	--	37	--	47
White	785	363	153	36	3	--	--	14	87	--	129
Male	569	278	83	36	2	--	--	14	61	--	95
Female	216	85	70	--	1	--	--	--	26	--	34
All other	239	86	48	5	--	--	--	6	42	--	52
Male	174	66	27	5	--	--	--	6	31	--	39
Female	65	20	21	--	--	--	--	--	11	--	13
Black	228	81	45	5	--	--	--	6	40	--	51
Male	170	65	26	5	--	--	--	6	29	--	39
Female	58	16	19	--	--	--	--	--	11	--	12
Washington	878	386	200	67	9	--	--	14	125	1	76
Male	628	293	108	66	7	--	--	12	86	1	55
Female	250	93	92	1	2	--	--	2	39	--	21
White	784	351	176	66	9	--	--	13	99	1	69
Male	565	267	94	65	7	--	--	11	68	1	52
Female	219	84	82	1	2	--	--	2	31	--	17
All other	94	35	24	1	--	--	--	1	26	--	7
Male	63	26	14	1	--	--	--	1	18	--	3
Female	31	9	10	--	--	--	--	--	8	--	4
Black	19	11	2	1	--	--	--	--	5	--	--
Male	12	7	1	1	--	--	--	--	3	--	--
Female	7	4	1	--	--	--	--	--	2	--	--





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Table 5-4. Deaths From Accidental Poisoning, by Age, Race, and Sex: United States, 1988

[Includes each three-digit category and selected four-digit subcategories E850-E869 of the Ninth Revision International Classification of Diseases, 1975]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-14 years	15-24 years	25-44 years	45-64 years	65 years and over	Not stated
Accidental poisoning by drugs, medicaments, and biologicals (E850-E858)	4,865	7	14	5	2	1	29	13	418	3,163	655	578	9
Male	3,441	6	8	4	1	1	20	3	310	2,477	396	227	8
Female	1,424	1	6	1	1	1	9	10	108	686	259	351	1
White	3,740	5	7	3	1	-	16	10	313	2,383	498	514	6
Male	2,642	5	3	2	-	-	10	3	239	1,908	282	195	5
Female	1,098	-	4	1	1	-	6	7	74	475	216	319	1
All other	1,125	2	7	2	1	1	13	3	105	780	157	64	3
Male	799	1	5	2	1	1	10	-	71	569	114	32	3
Female	326	1	2	-	-	-	3	3	34	211	43	32	-
Black	1,072	2	7	2	1	1	13	2	95	750	152	57	3
Male	760	1	5	2	1	1	10	-	64	544	111	28	3
Female	312	1	2	-	-	-	3	2	31	206	41	29	-
By analgesics, antipyretics, antirheumatics (E850)	1,190	1	1	-	1	-	3	1	69	871	177	67	2
Male	925	1	1	-	-	-	2	1	52	718	123	28	2
Female	265	-	-	-	1	-	1	-	17	153	54	39	-
White	936	1	-	-	1	-	2	1	56	684	134	59	-
Male	743	1	-	-	-	-	1	1	46	585	88	23	-
Female	193	-	-	-	1	-	1	-	10	99	46	36	-
All other	254	-	1	-	-	-	1	1	13	187	43	8	2
Male	182	-	1	-	-	-	1	-	6	133	35	5	2
Female	72	-	-	-	-	-	-	-	7	54	8	3	-
Black	242	-	1	-	-	-	1	-	12	178	42	7	2
Male	171	-	1	-	-	-	1	-	5	125	34	4	2
Female	71	-	-	-	-	-	-	-	7	53	8	3	-
Opiates and related narcotics (E850.0)	798	-	-	-	-	-	-	-	39	644	101	13	1
Male	681	-	-	-	-	-	-	-	29	559	87	5	1
Female	117	-	-	-	-	-	-	-	10	85	14	8	-
White	609	-	-	-	-	-	-	-	34	493	71	11	-
Male	538	-	-	-	-	-	-	-	28	445	60	5	-
Female	71	-	-	-	-	-	-	-	6	48	11	6	-
All other	189	-	-	-	-	-	-	-	5	151	30	2	1
Male	143	-	-	-	-	-	-	-	1	114	27	-	1
Female	46	-	-	-	-	-	-	-	4	37	3	2	-
Black	181	-	-	-	-	-	-	-	5	143	30	2	1
Male	136	-	-	-	-	-	-	-	1	107	27	1	1
Female	45	-	-	-	-	-	-	-	4	36	3	2	-
Salicylates (E850.1)	80	1	1	-	1	-	3	-	1	18	26	32	-
Male	34	1	1	-	-	-	2	-	1	6	11	14	-
Female	46	-	-	-	1	-	1	-	1	12	15	18	-
White	70	1	-	-	1	-	2	-	1	17	21	29	-
Male	28	1	-	-	-	-	1	-	1	6	9	11	-
Female	42	-	-	-	1	-	1	-	-	11	12	18	-
All other	10	-	1	-	-	-	1	-	-	1	5	3	-
Male	6	-	1	-	-	-	1	-	-	1	2	3	-
Female	4	-	-	-	-	-	-	-	-	-	3	3	-
Black	9	-	1	-	-	-	1	-	-	1	5	2	-
Male	5	-	1	-	-	-	1	-	-	-	2	2	-
Female	4	-	-	-	-	-	-	-	-	1	3	-	-
All other analgesics, antipyretics, antirheumatics (E850.2-E850.9)	312	-	-	-	-	-	-	1	29	209	60	22	1
Male	210	-	-	-	-	-	-	-	22	153	25	9	1
Female	102	-	-	-	-	-	-	1	7	56	25	13	-
White	257	-	-	-	-	-	-	1	21	174	42	19	-
Male	177	-	-	-	-	-	-	1	17	134	19	7	-
Female	80	-	-	-	-	-	-	1	4	40	23	12	-
All other	55	-	-	-	-	-	-	-	8	35	8	3	1
Male	33	-	-	-	-	-	-	-	5	19	6	2	1
Female	22	-	-	-	-	-	-	-	3	16	2	1	-
Black	52	-	-	-	-	-	-	-	7	34	7	3	1
Male	30	-	-	-	-	-	-	-	4	18	5	2	1
Female	22	-	-	-	-	-	-	-	3	16	2	1	-
By barbiturates (E851)	28	-	-	-	-	-	-	-	1	14	6	8	-
Male	17	-	-	-	-	-	-	-	1	10	4	2	-
Female	12	-	-	-	-	-	-	-	-	4	2	6	-
White	26	-	-	-	-	-	-	-	1	11	6	8	-
Male	15	-	-	-	-	-	-	-	1	8	4	2	-
Female	11	-	-	-	-	-	-	-	-	3	2	6	-
All other	3	-	-	-	-	-	-	-	-	3	-	-	-
Male	2	-	-	-	-	-	-	-	-	2	-	-	-
Female	1	-	-	-	-	-	-	-	-	1	-	-	-
Black	3	-	-	-	-	-	-	-	-	3	-	-	-
Male	2	-	-	-	-	-	-	-	-	2	-	-	-
Female	1	-	-	-	-	-	-	-	-	1	-	-	-
By other sedatives and hypnotics (E852)	30	-	-	-	-	-	-	-	3	18	6	3	-
Male	20	-	-	-	-	-	-	-	3	12	3	2	-
Female	10	-	-	-	-	-	-	-	-	6	3	1	-
White	25	-	-	-	-	-	-	-	3	14	5	3	-
Male	17	-	-	-	-	-	-	-	3	10	2	2	-
Female	8	-	-	-	-	-	-	-	-	4	3	1	-
All other	5	-	-	-	-	-	-	-	-	4	1	-	-
Male	3	-	-	-	-	-	-	-	-	2	-	-	-
Female	2	-	-	-	-	-	-	-	-	2	-	-	-
Black	5	-	-	-	-	-	-	-	-	2	1	-	-
Male	3	-	-	-	-	-	-	-	-	4	1	-	-
Female	2	-	-	-	-	-	-	-	-	2	-	-	-

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Table 5-4. Deaths From Accidental Poisoning, by Age, Race, and Sex: United States, 1988—Con.

[Includes each three-digit category and selected four-digit subcategories E850-E869 of the Ninth Revision International Classification of Diseases, 1975]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-14 years	15-24 years	25-44 years	45-64 years	65 years and over	Not stated
<b>By tranquilizers (E853)</b>	83	-	-	-	-	-	-	-	5	36	31	11	-
Male	44	-	-	-	-	-	-	-	5	24	9	6	-
Female	39	-	-	-	-	-	-	-	12	22	22	5	-
White	70	-	-	-	-	-	-	-	5	28	27	10	-
Male	38	-	-	-	-	-	-	-	5	20	8	5	-
Female	32	-	-	-	-	-	-	-	-	8	19	5	-
All other	13	-	-	-	-	-	-	-	-	8	4	1	-
Male	6	-	-	-	-	-	-	-	-	4	1	1	-
Female	7	-	-	-	-	-	-	-	-	4	3	-	-
Black	12	-	-	-	-	-	-	-	-	7	4	1	-
Male	5	-	-	-	-	-	-	-	-	3	1	1	-
Female	7	-	-	-	-	-	-	-	-	4	3	-	-
<b>By other psychotropic agents (E854)</b>	229	-	2	1	-	-	3	-	15	140	59	12	-
Male	137	-	1	-	-	-	1	-	9	91	31	5	-
Female	92	-	2	1	-	-	2	-	6	49	28	7	-
White	208	-	1	-	-	-	1	-	15	127	54	11	-
Male	128	-	-	-	-	-	-	-	9	84	30	5	-
Female	80	-	1	-	-	-	1	-	6	43	24	6	-
All other	21	-	1	1	-	-	2	-	-	13	5	1	-
Male	9	-	-	1	-	-	1	-	-	7	1	-	-
Female	12	-	1	-	-	-	1	-	-	6	4	1	-
Black	20	-	1	1	-	-	2	-	-	12	5	1	-
Male	8	-	-	1	-	-	1	-	-	6	1	-	-
Female	12	-	1	-	-	-	1	-	-	6	4	1	-
<b>By other drugs acting on central and autonomic nervous systems (E855)</b>	1,181	-	3	-	-	-	3	3	179	882	83	26	5
Male	918	-	1	-	-	-	1	1	129	695	72	17	4
Female	263	-	2	-	-	-	2	3	50	187	11	9	1
White	789	-	3	-	-	-	3	1	122	590	48	21	4
Male	628	-	1	-	-	-	1	-	92	474	44	14	3
Female	161	-	2	-	-	-	2	1	30	116	4	7	1
All other	392	-	-	-	-	-	-	2	57	292	35	5	1
Male	290	-	-	-	-	-	-	-	37	221	28	3	1
Female	102	-	-	-	-	-	-	2	20	71	7	2	-
Black	376	-	-	-	-	-	-	2	52	281	35	5	1
Male	279	-	-	-	-	-	-	-	35	212	28	3	1
Female	97	-	-	-	-	-	-	2	17	69	7	2	-
<b>By antibiotics (E856)</b>	60	-	-	-	-	-	-	2	-	4	21	33	-
Male	17	-	-	-	-	-	-	-	-	1	4	12	-
Female	43	-	-	-	-	-	-	-	-	3	17	21	-
White	53	-	-	-	-	-	-	2	-	3	17	31	-
Male	13	-	-	-	-	-	-	-	-	-	3	10	-
Female	40	-	-	-	-	-	-	2	-	3	14	21	-
All other	7	-	-	-	-	-	-	-	-	1	4	2	-
Male	4	-	-	-	-	-	-	-	-	1	1	2	-
Female	3	-	-	-	-	-	-	-	-	-	3	-	-
Black	6	-	-	-	-	-	-	-	-	1	3	2	-
Male	4	-	-	-	-	-	-	-	-	1	1	2	-
Female	2	-	-	-	-	-	-	-	-	-	2	-	-
<b>By anti-infectives (E857)</b>	2	-	-	-	-	-	-	-	1	-	-	1	-
Male	2	-	-	-	-	-	-	-	-	-	-	-	-
Female	2	-	-	-	-	-	-	-	1	-	-	1	-
White	1	-	-	-	-	-	-	-	-	-	-	1	-
Male	1	-	-	-	-	-	-	-	-	-	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	-	1	-
All other	1	-	-	-	-	-	-	-	1	-	-	-	-
Male	1	-	-	-	-	-	-	-	-	-	-	-	-
Female	1	-	-	-	-	-	-	-	1	-	-	-	-
Black	1	-	-	-	-	-	-	-	1	-	-	-	-
Male	1	-	-	-	-	-	-	-	-	-	-	-	-
Female	1	-	-	-	-	-	-	-	1	-	-	-	-
<b>By other drugs (E858)</b>	2,061	6	8	4	1	1	20	7	145	1,198	272	417	2
Male	1,383	5	6	3	1	1	16	3	111	926	150	155	2
Female	698	1	2	1	-	-	4	4	34	272	122	262	-
White	1,632	4	3	3	-	-	10	6	111	926	207	370	2
Male	1,060	4	2	2	-	-	8	3	83	727	103	134	2
Female	572	-	1	1	-	-	2	3	28	199	104	236	-
All other	429	2	5	1	1	1	10	1	34	272	65	47	-
Male	303	1	4	1	1	1	8	-	28	199	47	21	-
Female	126	1	1	-	-	-	2	1	6	73	18	26	-
Black	407	2	5	1	1	1	10	-	30	284	62	41	-
Male	288	1	4	1	1	1	8	-	24	193	45	18	-
Female	119	1	1	-	-	-	2	-	6	71	17	23	-
<b>Agents primarily affecting cardiovascular system (E858.3)</b>	260	3	-	2	-	1	6	1	-	3	22	228	-
Male	101	3	-	2	-	1	6	1	-	2	13	79	-
Female	159	-	-	-	-	-	-	-	-	1	9	149	-
White	219	2	-	1	-	-	3	1	-	2	16	197	-
Male	83	2	-	1	-	-	3	1	-	1	10	68	-
Female	136	-	-	-	-	-	-	-	-	1	6	129	-
All other	41	1	-	1	-	1	3	-	-	1	6	31	-
Male	18	1	-	1	-	1	3	-	-	1	3	11	-
Female	23	-	-	-	-	-	-	-	-	-	3	20	-
Black	36	1	-	1	-	1	3	-	-	1	5	27	-
Male	17	1	-	1	-	1	3	-	-	1	3	10	-
Female	19	-	-	-	-	-	-	-	-	-	2	17	-



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Table 5-4. Deaths From Accidental Poisoning, by Age, Race, and Sex: United States, 1988—Con.

[Includes each three-digit category and selected four-digit subcategories E850-E869 of the Ninth Revision International Classification of Diseases, 1975]

Cause of death, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-14 years	15-24 years	25-44 years	45-64 years	65 years and over	Not stated
<b>By corrosives and caustics, not elsewhere classified (E864)</b>	12	1	-	-	1	-	2	-	1	2	2	5	-
Male	8	1	-	-	1	-	2	-	1	2	2	3	-
Female	4	-	-	-	-	-	-	-	-	-	-	2	-
<b>White</b>	9	1	-	-	-	-	1	-	1	1	2	4	-
Male	5	1	-	-	-	-	1	-	1	1	1	2	-
Female	4	-	-	-	-	-	-	-	-	-	1	2	-
<b>All other</b>	3	-	-	-	1	-	1	-	-	1	-	1	-
Male	3	-	-	-	1	-	1	-	-	1	-	1	-
Female	2	-	-	-	-	-	-	-	-	-	-	-	-
<b>Black</b>	2	-	-	-	1	-	1	-	-	-	-	1	-
Male	2	-	-	-	1	-	1	-	-	-	-	1	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>From foodstuffs and poisonous plants (E865)</b>	3	-	-	-	-	-	-	-	1	2	-	-	-
Male	2	-	-	-	-	-	-	-	1	1	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	-	-	-
<b>White</b>	3	-	-	-	-	-	-	-	1	2	-	-	-
Male	2	-	-	-	-	-	-	-	1	1	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	-	-	-
<b>All other</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Black</b>	1	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>By other and unspecified solid and liquid substances (E866)</b>	53	-	1	-	-	-	1	2	6	15	11	18	-
Male	28	-	1	-	-	-	1	2	5	8	6	6	-
Female	25	-	-	-	-	-	-	1	1	7	5	12	-
<b>White</b>	38	-	1	-	-	-	1	1	5	13	7	11	-
Male	21	-	1	-	-	-	1	1	5	7	4	3	-
Female	17	-	-	-	-	-	-	-	6	6	3	8	-
<b>All other</b>	15	-	-	-	-	-	-	1	1	2	4	7	-
Male	7	-	-	-	-	-	-	1	1	1	2	3	-
Female	8	-	-	-	-	-	-	-	1	1	2	4	-
<b>Black</b>	15	-	-	-	-	-	-	1	1	2	4	7	-
Male	7	-	-	-	-	-	-	1	1	1	2	3	-
Female	8	-	-	-	-	-	-	-	1	1	2	4	-
<b>By gas distributed by pipeline (E867)</b>	36	-	-	-	-	-	-	2	5	12	6	11	-
Male	25	-	-	-	-	-	-	1	3	6	5	10	-
Female	11	-	-	-	-	-	-	1	2	6	1	1	-
<b>White</b>	25	-	-	-	-	-	-	1	3	9	5	8	-
Male	18	-	-	-	-	-	-	-	2	5	4	7	-
Female	7	-	-	-	-	-	-	-	1	4	1	1	-
<b>All other</b>	11	-	-	-	-	-	-	2	2	3	1	3	-
Male	7	-	-	-	-	-	-	1	1	1	1	3	-
Female	4	-	-	-	-	-	-	1	1	2	-	-	-
<b>Black</b>	11	-	-	-	-	-	-	2	2	3	1	3	-
Male	7	-	-	-	-	-	-	1	1	1	1	3	-
Female	4	-	-	-	-	-	-	1	1	2	-	-	-
<b>By other utility gas and other carbon monoxide (E868)</b>	686	6	5	5	3	2	21	24	118	259	158	105	1
Male	508	4	2	1	3	1	11	11	84	186	132	73	1
Female	178	2	3	4	-	1	10	13	34	63	26	32	-
<b>White</b>	556	4	4	3	3	-	14	19	99	203	130	80	1
Male	421	3	1	-	3	-	7	10	76	155	111	61	1
Female	135	1	3	3	-	-	7	9	23	48	19	29	-
<b>All other</b>	130	2	1	2	-	2	7	5	19	56	28	15	-
Male	87	1	1	1	-	1	4	4	8	41	21	12	-
Female	43	1	-	1	-	1	3	1	11	15	7	3	-
<b>Black</b>	119	2	1	1	-	1	5	5	14	53	27	15	-
Male	81	1	1	-	-	2	1	1	7	39	20	12	-
Female	38	1	-	1	-	1	3	4	7	14	7	3	-
<b>By other gases and vapors (E869)</b>	151	2	3	2	7	1	15	3	31	48	19	35	-
Male	117	-	2	2	6	1	11	3	28	39	14	22	-
Female	34	2	1	-	1	-	4	-	3	9	5	13	-
<b>White</b>	110	1	3	1	3	1	9	2	29	34	10	26	-
Male	89	-	2	1	3	1	7	2	26	31	6	17	-
Female	21	1	1	-	-	-	2	-	3	3	4	9	-
<b>All other</b>	41	1	-	1	4	-	6	1	2	14	9	9	-
Male	28	-	-	1	3	-	4	1	2	8	8	5	-
Female	13	1	-	-	1	-	2	-	6	6	1	4	-
<b>Black</b>	38	1	-	1	4	-	6	1	2	13	8	8	-
Male	26	-	-	1	3	-	4	1	2	7	7	5	-
Female	12	1	-	-	1	-	2	-	6	6	1	3	-



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Table 5-5. Deaths From Nontransport Accidents, by Place of Accident, Cause of Death, Race, and Sex: United States, 1988—Con.

[Includes each three-digit category and selected four-digit subcategories E850-E869 and E880-E928 of the Ninth Revision International Classification of Diseases, 1975. Numbers after place of accident are special fifth-digit subcategory codes]

Cause of death, race, and sex	Total deaths	Place of accident									
		Home <sup>a</sup>	Farm <sup>a</sup>	Mine and quarry	Industrial place and premises	Place for recreation and sport	Street and highway	Public building	Residential institution	Other specified places	Unspecified place
		(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
By tranquilizers (E853)	83	38	-	-	-	-	3	-	2	4	36
Male	44	21	-	-	-	2	-	1	2	18	
Female	39	17	-	-	-	1	-	1	2	18	
White	70	31	-	-	-	3	-	1	4	31	
Male	38	17	-	-	-	2	-	1	2	16	
Female	32	14	-	-	-	1	-	1	2	15	
All other	13	7	-	-	-	-	-	1	-	5	
Male	6	4	-	-	-	-	-	-	-	2	
Female	7	3	-	-	-	-	-	1	-	3	
Black	12	6	-	-	-	-	-	1	-	5	
Male	5	3	-	-	-	-	-	-	-	2	
Female	7	3	-	-	-	-	-	1	-	3	
By other psychotropic agents (E854)	229	120	-	-	1	1	4	14	4	10	75
Male	137	66	-	-	1	1	3	11	2	6	47
Female	92	54	-	-	-	1	1	3	2	4	28
White	208	106	-	-	1	1	3	14	4	10	69
Male	128	60	-	-	1	1	2	11	2	6	45
Female	80	46	-	-	-	1	1	3	2	4	24
All other	21	14	-	-	-	-	1	-	-	-	6
Male	9	6	-	-	-	-	1	-	-	-	2
Female	12	8	-	-	-	-	-	-	-	-	4
Black	20	13	-	-	-	-	1	-	-	-	6
Male	8	5	-	-	-	-	1	-	-	-	2
Female	12	8	-	-	-	-	-	-	-	-	4
By other drugs acting on central and autonomic nervous systems (E855)	1,181	578	1	-	2	7	48	106	14	76	349
Male	918	445	1	-	2	7	39	84	9	64	267
Female	263	133	-	-	-	-	9	22	5	12	82
White	789	397	1	-	2	4	26	78	8	52	221
Male	628	316	1	-	2	4	21	64	4	43	173
Female	161	81	-	-	-	-	5	14	4	9	48
All other	392	181	-	-	-	3	22	28	6	24	128
Male	290	129	-	-	-	3	18	20	5	21	94
Female	102	52	-	-	-	3	4	8	1	3	34
Black	376	174	-	-	-	3	22	28	6	23	120
Male	279	124	-	-	-	3	18	20	5	20	89
Female	97	50	-	-	-	4	8	1	3	3	31
By antibiotics (E856)	60	1	-	-	-	-	-	-	1	-	58
Male	17	-	-	-	-	-	-	-	-	-	17
Female	43	1	-	-	-	-	-	-	1	-	41
White	53	1	-	-	-	-	-	-	1	-	51
Male	13	-	-	-	-	-	-	-	-	-	13
Female	40	1	-	-	-	-	-	-	1	-	38
All other	7	-	-	-	-	-	-	-	-	-	7
Male	4	-	-	-	-	-	-	-	-	-	4
Female	3	-	-	-	-	-	-	-	-	-	3
Black	6	-	-	-	-	-	-	-	-	-	6
Male	4	-	-	-	-	-	-	-	-	-	4
Female	2	-	-	-	-	-	-	-	-	-	2
By anti-infectives (E857)	2	1	-	-	-	-	-	-	-	-	1
Male	-	-	-	-	-	-	-	-	-	-	-
Female	2	1	-	-	-	-	-	-	-	-	1
White	1	1	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-
Female	1	1	-	-	-	-	-	-	-	-	-
All other	1	-	-	-	-	-	-	-	-	-	1
Male	1	-	-	-	-	-	-	-	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	1
Black	1	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-
Female	1	-	-	-	-	-	-	-	-	-	1
By other drugs (E858)	2,061	850	1	-	4	3	28	94	33	73	975
Male	1,363	597	-	-	4	3	24	77	17	64	577
Female	698	253	1	-	-	-	4	17	16	9	398
White	1,632	650	-	-	3	2	18	74	29	59	797
Male	1,060	451	-	-	3	2	15	63	15	52	459
Female	572	199	-	-	-	-	3	11	14	7	338
All other	429	200	1	-	1	1	10	20	4	14	178
Male	303	146	-	-	1	1	9	14	2	12	118
Female	126	54	1	-	-	-	1	6	2	2	60
Black	407	193	1	-	1	-	10	19	3	13	167
Male	288	139	-	-	1	-	9	13	2	11	113
Female	119	54	1	-	-	-	1	6	1	2	54
Agents primarily affecting cardiovascular system (E858.3)	260	18	-	-	-	-	-	-	6	-	236
Male	101	11	-	-	-	-	-	-	2	-	88
Female	159	7	-	-	-	-	-	-	4	-	148
White	219	15	-	-	-	-	-	-	4	-	200
Male	83	9	-	-	-	-	-	-	2	-	72
Female	136	6	-	-	-	-	-	-	2	-	128
All other	41	3	-	-	-	-	-	-	2	-	36
Male	18	2	-	-	-	-	-	-	-	-	16
Female	23	1	-	-	-	-	-	-	2	-	20
Black	36	3	-	-	-	-	-	-	1	-	32
Male	17	2	-	-	-	-	-	-	-	-	15
Female	19	1	-	-	-	-	-	-	1	-	17







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Table 5-5. Deaths From Nontransport Accidents, by Place of Accident, Cause of Death, Race, and Sex: United States, 1988—Con.

[Includes each three-digit category and selected four-digit subcategories E850-E869 and E880-E928 of the Ninth Revision International Classification of Diseases, 1975. Numbers after place of accident are special fifth-digit subcategory codes]

Cause of death, race, and sex	Total deaths	Place of accident									
		Home <sup>1</sup>	Farm <sup>2</sup>	Mine and quarry	Industrial place and premises	Place for recreation and sport	Street and highway	Public building	Residential institution	Other specified places	Unspecified place
		(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Accidental falls (E880-E988) .....	12,096	5,171	58	7	321	100	392	383	1,467	686	3,511
Male .....	6,303	2,708	54	7	308	85	315	272	527	541	1,486
Female .....	5,793	2,463	4	-	13	15	77	111	940	145	2,025
White .....	10,886	4,603	57	6	282	90	317	347	1,387	544	3,253
Male .....	5,498	2,349	53	6	272	78	254	244	486	423	1,320
Female .....	5,388	2,254	4	-	10	12	63	103	901	121	1,920
All other .....	1,210	568	1	1	39	10	75	36	80	142	258
Male .....	805	359	1	1	36	7	61	28	41	118	153
Female .....	405	209	-	-	3	3	14	8	39	24	105
Black .....	1,017	479	-	1	30	7	65	29	71	115	220
Male .....	678	299	-	1	28	5	53	23	38	99	132
Female .....	339	180	-	-	2	2	12	6	33	16	88
Fall on or from stairs or steps (E880) .....	1,093	886	-	-	6	1	11	78	28	30	53
Male .....	627	499	-	-	3	1	9	48	12	19	36
Female .....	466	387	-	-	3	-	2	30	16	11	17
White .....	971	791	-	-	5	1	11	72	27	18	45
Male .....	533	423	-	-	3	1	9	44	12	11	30
Female .....	438	368	-	-	2	-	2	28	15	7	16
All other .....	122	95	-	-	1	-	-	6	1	12	7
Male .....	94	76	-	-	-	-	-	4	-	8	6
Female .....	28	19	-	-	1	-	-	2	1	4	1
Black .....	108	86	-	-	1	-	-	6	1	11	3
Male .....	85	70	-	-	-	-	-	4	-	9	3
Female .....	23	16	-	-	1	-	-	2	1	3	-
Fall on or from ladders or scaffolding (E881) .....	364	187	5	-	81	2	9	22	-	32	26
Male .....	343	167	5	-	81	2	9	22	-	31	26
Female .....	21	20	-	-	-	-	-	-	-	1	-
White .....	340	179	5	-	76	2	8	19	-	27	24
Male .....	319	159	5	-	76	2	8	19	-	26	24
Female .....	21	20	-	-	-	-	-	-	-	1	-
All other .....	24	8	-	-	5	-	1	3	-	5	2
Male .....	24	8	-	-	5	-	1	3	-	5	2
Female .....	-	-	-	-	-	-	-	-	-	-	-
Black .....	18	6	-	-	3	-	1	3	-	3	2
Male .....	18	6	-	-	3	-	1	3	-	3	2
Female .....	-	-	-	-	-	-	-	-	-	-	-
Fall from or out of building or other structure (E882) .....	672	283	9	-	102	4	47	57	16	108	46
Male .....	592	230	9	-	99	4	43	51	14	100	42
Female .....	80	53	-	-	3	-	4	6	2	8	4
White .....	539	216	9	-	83	4	36	50	13	83	35
Male .....	482	176	9	-	80	4	34	46	12	77	34
Female .....	57	40	-	-	3	-	2	4	1	6	1
All other .....	133	67	-	-	9	-	11	7	3	25	11
Male .....	110	54	-	-	9	-	9	5	2	23	8
Female .....	23	13	-	-	-	-	2	2	1	2	3
Black .....	117	61	-	-	7	-	7	4	3	25	10
Male .....	97	48	-	-	7	-	6	3	2	23	8
Female .....	20	13	-	-	-	-	1	1	1	2	2
Fall into hole or other opening in surface (E883) .....	99	11	5	2	16	12	3	7	-	33	10
Male .....	90	9	4	2	16	10	2	7	-	31	9
Female .....	9	2	1	-	-	2	1	-	-	2	1
White .....	82	11	5	2	15	11	2	6	-	20	10
Male .....	75	9	4	2	15	9	2	6	-	19	9
Female .....	7	2	1	-	-	2	1	-	-	1	1
All other .....	17	-	-	-	1	1	1	1	-	13	-
Male .....	15	-	-	-	1	1	1	1	-	12	-
Female .....	2	-	-	-	-	-	-	-	-	1	-
Black .....	13	-	-	-	1	1	1	1	-	9	-
Male .....	12	-	-	-	1	1	1	1	-	9	-
Female .....	1	-	-	-	-	-	1	-	-	-	-
Other fall from one level to another (E884) .....	1,089	319	23	2	63	39	41	29	261	229	83
Male .....	724	182	23	2	60	31	36	25	113	192	60
Female .....	365	137	-	-	3	8	5	4	148	37	23
White .....	923	264	22	2	48	35	34	27	235	185	71
Male .....	601	145	22	2	47	29	29	23	96	155	53
Female .....	322	119	-	-	1	6	5	4	139	30	18
All other .....	166	55	1	-	15	4	7	2	26	44	12
Male .....	123	37	1	-	13	2	7	2	17	37	7
Female .....	43	18	-	-	2	2	2	-	9	7	5
Black .....	120	42	-	-	10	2	5	1	22	29	9
Male .....	88	27	-	-	9	2	5	1	15	26	5
Female .....	32	15	-	-	1	2	-	-	7	3	4
Fall on same level from slipping, tripping, or stumbling (E885) .....	426	293	4	-	2	13	43	29	62	23	17
Male .....	206	95	4	-	1	12	34	13	23	12	12
Female .....	220	138	-	-	1	1	9	16	39	11	5
White .....	401	222	4	-	2	12	39	28	59	23	12
Male .....	198	93	4	-	1	11	32	13	22	12	10
Female .....	203	129	-	-	1	1	7	15	37	11	2
All other .....	25	11	-	-	-	1	4	1	3	-	5
Male .....	8	2	-	-	-	1	2	-	1	-	2
Female .....	17	9	-	-	-	-	2	1	2	-	3
Black .....	23	10	-	-	-	1	4	1	3	-	4
Male .....	7	2	-	-	-	1	2	-	1	-	1
Female .....	16	8	-	-	-	-	2	1	2	-	3



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Table 5-5. Deaths From Nontransport Accidents, by Place of Accident, Cause of Death, Race, and Sex: United States, 1988—Con.

[Includes each three-digit category and selected four-digit subcategories E850-E869 and E880-E928 of the Ninth Revision International Classification of Diseases, 1975. Numbers after place of accident are special fifth-digit subcategory codes]

Cause of death, race, and sex	Total deaths	Place of accident									
		Home <sup>1</sup>	Farm <sup>2</sup>	Mine and quarry	Industrial place and premises	Place for recreation and sport	Street and highway	Public building	Residential institution	Other specified places	Unspecified place
		(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
By ignition of clothing (E893) .....	205	167	4	--	1	--	5	1	16	4	7
Male .....	110	80	4	--	1	--	5	1	11	3	5
Female .....	95	87	--	--	--	--	--	--	5	1	2
White .....	185	131	4	--	--	--	5	1	14	4	6
Male .....	88	59	4	--	--	--	5	1	10	3	4
Female .....	79	72	--	--	--	--	--	--	4	1	2
All other .....	40	36	--	1	--	--	--	--	2	--	1
Male .....	24	21	--	1	--	--	--	--	1	--	1
Female .....	16	15	--	--	--	--	--	--	1	--	--
Black .....	40	36	--	1	--	--	--	--	2	--	1
Male .....	24	21	--	1	--	--	--	--	1	--	1
Female .....	16	15	--	--	--	--	--	--	1	--	--
By ignition of highly inflammable material (E894) .....	75	55	--	--	10	--	1	3	--	4	2
Male .....	59	39	--	--	10	--	1	3	--	4	2
Female .....	16	16	--	--	--	--	--	--	--	--	--
White .....	59	43	--	--	8	--	1	2	--	3	2
Male .....	47	31	--	--	8	--	1	2	--	3	2
Female .....	12	12	--	--	--	--	--	--	--	--	--
All other .....	16	12	--	2	--	--	--	1	--	1	--
Male .....	12	8	--	2	--	--	--	1	--	1	--
Female .....	4	4	--	--	--	--	--	--	--	--	--
Black .....	15	11	--	2	--	--	--	1	--	1	--
Male .....	11	7	--	2	--	--	--	1	--	1	--
Female .....	4	4	--	--	--	--	--	--	--	--	--
By controlled fire in private dwelling (E895) .....	30	29	--	--	--	--	--	--	--	1	--
Male .....	16	16	--	--	--	--	--	--	--	--	--
Female .....	14	13	--	--	--	--	--	--	--	1	--
White .....	18	18	--	--	--	--	--	--	--	--	--
Male .....	11	11	--	--	--	--	--	--	--	--	--
Female .....	7	7	--	--	--	--	--	--	--	--	--
All other .....	12	11	--	--	--	--	--	--	--	1	--
Male .....	5	5	--	--	--	--	--	--	--	--	--
Female .....	7	6	--	--	--	--	--	--	--	1	--
Black .....	11	10	--	--	--	--	--	--	--	1	--
Male .....	4	4	--	--	--	--	--	--	--	1	--
Female .....	7	6	--	--	--	--	--	--	--	--	--
By controlled fire in other and unspecified building or structure (E896) .....	2	1	--	--	--	--	--	--	--	1	--
Male .....	1	1	--	--	--	--	--	--	--	1	--
Female .....	1	1	--	--	--	--	--	--	--	--	--
White .....	1	1	--	--	--	--	--	--	--	--	--
Male .....	1	1	--	--	--	--	--	--	--	--	--
Female .....	1	1	--	--	--	--	--	--	--	1	--
All other .....	1	1	--	--	--	--	--	--	--	1	--
Male .....	1	1	--	--	--	--	--	--	--	1	--
Female .....	1	1	--	--	--	--	--	--	--	--	--
Black .....	1	1	--	--	--	--	--	--	--	1	--
Male .....	1	1	--	--	--	--	--	--	--	1	--
Female .....	1	1	--	--	--	--	--	--	--	--	--
By controlled fire not in building or structure (E897) .....	22	13	1	--	1	1	--	--	--	6	--
Male .....	19	11	1	--	1	1	--	--	--	6	--
Female .....	3	2	--	--	--	--	--	--	--	--	--
White .....	18	9	1	--	1	1	--	--	--	6	--
Male .....	15	7	1	--	1	1	--	--	--	6	--
Female .....	3	2	--	--	--	--	--	--	--	--	--
All other .....	4	4	--	--	--	--	--	--	--	--	--
Male .....	4	4	--	--	--	--	--	--	--	--	--
Female .....	4	4	--	--	--	--	--	--	--	--	--
Black .....	4	4	--	--	--	--	--	--	--	--	--
Male .....	4	4	--	--	--	--	--	--	--	--	--
Female .....	4	4	--	--	--	--	--	--	--	--	--
By other specified fire or flames (E898) .....	106	82	--	--	3	--	1	2	8	4	6
Male .....	73	57	--	--	3	--	1	2	4	3	3
Female .....	33	25	--	--	--	--	--	--	4	1	3
White .....	85	67	--	--	3	--	1	1	7	2	4
Male .....	56	44	--	--	3	--	1	1	4	1	2
Female .....	29	23	--	--	--	--	--	--	3	1	2
All other .....	21	15	--	--	--	--	--	1	1	2	2
Male .....	17	13	--	--	--	--	--	1	1	2	1
Female .....	4	2	--	--	--	--	--	--	1	1	1
Black .....	17	11	--	--	--	--	--	1	1	2	2
Male .....	14	10	--	--	--	--	--	1	1	2	1
Female .....	3	1	--	--	--	--	--	--	1	--	1
By unspecified fire (E899) .....	245	47	1	--	8	--	7	1	3	41	137
Male .....	157	27	1	--	8	--	6	1	3	27	84
Female .....	88	20	--	--	--	--	1	--	--	14	53
White .....	163	33	1	--	7	--	2	--	3	25	92
Male .....	101	18	1	--	7	--	2	--	3	15	55
Female .....	62	15	--	--	--	--	--	--	--	10	37
All other .....	82	14	--	1	--	--	5	1	--	16	45
Male .....	56	9	--	1	--	--	4	1	--	12	29
Female .....	26	5	--	--	--	--	1	--	--	4	16
Black .....	80	13	--	1	--	--	4	1	--	16	45
Male .....	54	8	--	1	--	--	3	1	--	12	29
Female .....	26	5	--	--	--	--	1	--	--	4	16



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Table 5-5. Deaths From Nontransport Accidents, by Place of Accident, Cause of Death, Race, and Sex: United States, 1988—Con.

[Includes each three-digit category and selected four-digit subcategories E850-E869 and E880-E928 of the Ninth Revision International Classification of Diseases, 1975. Numbers after place of accident are special fifth-digit subcategory codes]

Cause of death, race, and sex	Total deaths	Place of accident									
		Home <sup>1</sup>	Farm <sup>2</sup>	Mine and quarry	Industrial place and premises	Place for recreation and sport	Street and highway	Public building	Residential institution	Other specified places	Unspecified place
		(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Other injury caused by animals (E906)	89	25	27	1	4	4	2	2	-	16	8
Male	66	16	24	1	4	2	2	-	12	3	
Female	23	9	3	-	-	-	-	-	4	5	
White	81	23	25	1	4	4	1	1	15	7	
Male	60	16	22	1	4	2	1	1	11	2	
Female	21	7	3	-	-	-	-	-	4	5	
All other	8	2	2	-	-	-	-	-	1	1	
Male	6	2	2	-	-	-	-	-	1	1	
Female	2	-	-	-	-	-	-	-	-	-	
Black	4	1	2	-	-	-	-	-	-	-	
Male	3	1	2	-	-	-	-	-	-	-	
Female	1	-	-	-	-	-	-	-	-	-	
Lightning (E907)	82	14	12	1	3	15	6	1	15	15	
Male	66	8	10	1	3	13	5	1	13	12	
Female	16	6	2	-	-	2	1	-	2	3	
White	71	10	12	1	3	13	4	1	13	14	
Male	59	7	10	1	3	11	3	1	12	11	
Female	12	3	2	-	-	2	1	-	1	3	
All other	11	4	-	-	-	2	2	-	2	1	
Male	7	1	-	-	-	2	2	-	1	1	
Female	4	3	-	-	-	-	-	-	1	-	
Black	9	4	-	-	-	2	2	-	-	1	
Male	6	1	-	-	-	2	2	-	-	1	
Female	3	3	-	-	-	-	-	-	-	-	
Cataclysmic storms, and floods resulting from storms (E908)	59	29	-	-	2	2	6	1	11	8	
Male	36	15	-	-	2	2	3	1	7	6	
Female	23	14	-	-	-	-	3	-	4	2	
White	46	22	-	-	2	-	4	1	10	7	
Male	27	11	-	-	2	-	2	1	6	5	
Female	19	11	-	-	-	-	2	-	4	2	
All other	13	7	-	-	-	2	2	-	1	1	
Male	9	4	-	-	-	2	1	-	1	1	
Female	4	3	-	-	-	-	1	-	-	-	
Black	13	7	-	-	-	2	1	-	1	1	
Male	9	4	-	-	-	2	1	-	1	1	
Female	4	3	-	-	-	-	-	-	-	-	
Cataclysmic earth surface movements and eruptions (E909)	7	-	-	-	-	1	-	-	6	-	
Male	4	-	-	-	-	-	-	-	4	-	
Female	3	-	-	-	-	1	-	-	2	-	
White	6	-	-	-	-	1	-	-	5	-	
Male	4	-	-	-	-	-	-	-	4	-	
Female	2	-	-	-	-	1	-	-	1	-	
All other	1	-	-	-	-	-	-	-	1	-	
Male	-	-	-	-	-	-	-	-	-	-	
Female	1	-	-	-	-	-	-	-	1	-	
Black	-	-	-	-	-	-	-	-	-	-	
Male	-	-	-	-	-	-	-	-	-	-	
Female	-	-	-	-	-	-	-	-	-	-	
Accidents caused by submersion, suffocation and foreign bodies (E910-E915)	9,003	1,932	101	33	72	681	43	158	382	2,040	3,561
Male	6,095	1,179	89	32	70	578	36	123	195	1,777	2,016
Female	2,908	753	12	1	2	103	7	35	187	263	1,545
White	7,167	1,534	84	30	59	490	33	124	343	1,532	2,938
Male	4,750	918	73	29	58	414	27	97	165	1,344	1,624
Female	2,417	615	11	1	1	76	6	27	178	188	1,314
All other	1,636	398	17	3	13	191	10	34	39	508	623
Male	1,345	260	16	3	12	164	9	26	30	433	392
Female	491	138	1	-	1	27	1	8	9	75	231
Black	1,552	343	15	2	12	164	9	30	33	402	542
Male	1,128	229	14	2	11	141	8	22	25	344	332
Female	424	114	1	-	1	23	1	8	8	58	210
Accidental drowning and submersion (E910)	4,189	942	78	23	12	670	20	62	26	1,926	440
Male	3,346	542	69	22	11	569	16	47	13	1,668	369
Female	853	400	9	1	1	101	4	15	13	258	71
White	3,187	761	62	21	8	479	15	41	22	1,432	346
Male	2,507	421	54	20	7	405	12	30	11	1,265	282
Female	680	340	8	1	1	74	3	11	11	167	64
All other	1,012	181	16	2	4	191	5	21	4	494	94
Male	839	121	15	2	4	164	4	17	2	423	87
Female	173	60	1	-	-	27	1	4	2	71	7
Black	821	153	14	2	4	164	5	19	4	300	66
Male	685	108	13	2	4	141	4	15	2	336	60
Female	136	45	1	-	-	23	1	4	2	54	6
In recreation activities (E910.0-E910.2)	890	42	24	13	1	253	6	1	1	520	30
Male	791	28	22	13	1	219	5	1	1	478	24
Female	99	14	2	-	-	34	1	-	-	42	6
White	673	29	21	12	1	179	3	1	1	404	23
Male	600	19	19	12	1	155	2	1	1	374	17
Female	73	10	2	-	-	24	1	-	-	30	6
All other	217	13	3	-	-	74	3	1	-	116	7
Male	191	9	3	1	-	64	3	-	-	104	7
Female	26	4	-	-	-	10	-	-	-	12	-
Black	176	10	3	1	-	80	3	-	-	92	6
Male	154	8	3	1	-	51	3	-	-	82	6
Female	21	2	-	-	-	9	-	-	-	10	-











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Table 5-5. Deaths From Nontransport Accidents, by Place of Accident, Cause of Death, Race, and Sex: United States, 1988—Con.

[Includes each three-digit category and selected four-digit subcategories E850-E869 and E880-E928 of the Ninth Revision International Classification of Diseases, 1975. Numbers after place of accident are special fifth-digit subcategory codes]

Cause of death, race, and sex	Total deaths	Place of accident									
		Home <sup>1</sup>	Farm <sup>2</sup>	Mine and quarry	Industrial place and premises	Place for recreation and sport	Street and highway	Public building	Residential institution	Other specified places	Unspecified place
		(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>Accident caused by firearm missile-Con.</b>											
Unspecified (E922.9) .....	1,013	434	28	-	1	11	29	25	1	127	357
Male .....	876	359	26	-	1	11	27	25	1	121	305
Female .....	137	75	2	-	-	-	2	-	-	6	52
White .....	779	341	28	-	1	11	21	11	-	105	261
Male .....	680	288	26	-	1	11	20	11	-	99	224
Female .....	99	53	2	-	-	-	1	-	-	6	37
All other .....	234	93	-	-	-	-	8	14	1	22	96
Male .....	196	71	-	-	-	-	7	14	1	22	81
Female .....	38	22	-	-	-	-	1	-	-	-	15
Black .....	201	88	-	-	-	-	7	13	1	18	74
Male .....	169	68	-	-	-	-	7	13	1	18	62
Female .....	32	20	-	-	-	-	-	-	-	-	12
<b>Accident caused by explosive material (E923)</b>											
Unspecified (E923) .....	193	61	2	3	75	4	5	11	-	17	15
Male .....	172	52	2	3	72	2	4	10	-	15	12
Female .....	21	9	-	-	3	2	1	1	-	2	3
White .....	169	54	2	3	65	4	5	10	-	14	12
Male .....	151	46	2	3	63	2	4	9	-	13	9
Female .....	18	8	-	-	2	2	1	1	-	1	3
All other .....	24	7	-	-	10	-	-	1	-	3	3
Male .....	21	6	-	-	9	-	-	1	-	2	3
Female .....	3	1	-	-	-	-	-	-	-	1	-
Black .....	22	7	-	-	1	-	-	1	-	3	2
Male .....	19	6	-	-	8	-	-	1	-	2	-
Female .....	3	1	-	-	1	-	-	-	-	1	-
<b>Fireworks (E923.0)</b>											
Unspecified (E923.0) .....	4	1	-	-	-	1	1	-	-	-	1
Male .....	4	1	-	-	-	1	1	-	-	-	1
Female .....	-	-	-	-	-	-	-	-	-	-	-
White .....	3	1	-	-	-	1	1	-	-	-	-
Male .....	3	1	-	-	-	1	1	-	-	-	-
Female .....	-	-	-	-	-	-	-	-	-	-	-
All other .....	1	-	-	-	-	-	-	-	-	-	1
Male .....	1	-	-	-	-	-	-	-	-	-	1
Female .....	-	-	-	-	-	-	-	-	-	-	-
Black .....	-	-	-	-	-	-	-	-	-	-	-
Male .....	-	-	-	-	-	-	-	-	-	-	-
Female .....	-	-	-	-	-	-	-	-	-	-	-
<b>Blasting materials (E923.1)</b>											
Unspecified (E923.1) .....	4	1	-	1	2	-	-	-	-	-	-
Male .....	4	1	-	1	2	-	-	-	-	-	-
Female .....	-	-	-	-	-	-	-	-	-	-	-
White .....	4	1	-	1	2	-	-	-	-	-	-
Male .....	4	1	-	1	2	-	-	-	-	-	-
Female .....	-	-	-	-	-	-	-	-	-	-	-
All other .....	-	-	-	-	-	-	-	-	-	-	-
Male .....	-	-	-	-	-	-	-	-	-	-	-
Female .....	-	-	-	-	-	-	-	-	-	-	-
Black .....	-	-	-	-	-	-	-	-	-	-	-
Male .....	-	-	-	-	-	-	-	-	-	-	-
Female .....	-	-	-	-	-	-	-	-	-	-	-
<b>Explosive gases (E923.2)</b>											
Unspecified (E923.2) .....	67	27	2	-	15	3	2	6	-	6	7
Male .....	60	25	2	-	15	1	1	4	-	6	6
Female .....	7	2	-	-	-	2	1	1	-	-	1
White .....	56	21	2	-	14	3	2	4	-	5	5
Male .....	50	20	2	-	14	1	1	3	-	4	4
Female .....	6	1	-	-	-	2	1	1	-	1	1
All other .....	11	6	-	-	1	-	-	1	-	1	2
Male .....	10	5	-	-	1	-	-	1	-	1	2
Female .....	1	1	-	-	-	-	-	-	-	-	-
Black .....	11	6	-	-	1	-	-	1	-	1	2
Male .....	10	5	-	-	1	-	-	1	-	1	2
Female .....	1	1	-	-	-	-	-	-	-	-	-
<b>Other (E923.8)</b>											
Unspecified (E923.8) .....	60	19	-	1	28	-	1	2	-	7	2
Male .....	55	16	-	1	26	-	1	2	-	7	2
Female .....	5	3	-	-	2	-	-	-	-	-	-
White .....	53	19	-	1	22	-	1	2	-	6	2
Male .....	48	16	-	1	20	-	1	2	-	6	2
Female .....	5	3	-	-	2	-	-	-	-	-	-
All other .....	7	-	-	-	6	-	-	-	-	1	-
Male .....	7	-	-	-	6	-	-	-	-	1	-
Female .....	-	-	-	-	-	-	-	-	-	-	-
Black .....	7	-	-	-	6	-	-	-	-	1	-
Male .....	7	-	-	-	6	-	-	-	-	1	-
Female .....	-	-	-	-	-	-	-	-	-	-	-
<b>Unspecified (E923.9)</b>											
Unspecified (E923.9) .....	58	13	-	1	30	-	1	4	-	4	5
Male .....	49	9	-	1	29	-	1	4	-	2	2
Female .....	9	4	-	-	1	-	-	-	-	2	3
White .....	53	12	-	1	27	-	1	4	-	3	5
Male .....	46	8	-	1	27	-	1	4	-	2	3
Female .....	7	4	-	-	-	-	-	-	-	1	2
All other .....	5	1	-	-	3	-	-	-	-	1	-
Male .....	3	1	-	-	2	-	-	-	-	-	-
Female .....	2	-	-	-	1	-	-	-	-	1	-
Black .....	4	1	-	-	2	-	-	-	-	1	-
Male .....	2	1	-	-	1	-	-	-	-	1	-
Female .....	2	-	-	-	1	-	-	-	-	-	-



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**Table 5-5. Deaths From Nontransport Accidents, by Place of Accident, Cause of Death, Race, and Sex: United States, 1988—Con.**

[Includes each three-digit category and selected four-digit subcategories E850-E869 and E880-E928 of the Ninth Revision International Classification of Diseases, 1975. Numbers after place of accident are special fifth-digit subcategory codes]

Cause of death, race, and sex	Total deaths	Place of accident										
		Home <sup>1</sup>	Farm <sup>2</sup>	Mine and quarry	Industrial place and premises	Place for recreation and sport	Street and highway	Public building	Residential institution	Other specified places	Unspecified place	
		(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
<b>Overexertion and strenuous movements (E927)</b> .....	32	8	1	-	-	1	1	1	-	2	2	16
Male .....	30	8	1	-	-	1	1	1	-	1	2	15
Female .....	2	-	-	-	-	-	-	-	-	1	-	1
White .....	29	8	1	-	-	1	-	1	-	2	2	14
Male .....	27	8	1	-	-	1	-	1	-	1	2	13
Female .....	2	-	-	-	-	-	-	-	-	1	-	1
All other .....	3	-	-	-	-	-	-	-	-	-	-	2
Male .....	3	-	-	-	-	-	-	-	-	-	-	2
Female .....	1	-	-	-	-	-	-	-	-	-	-	2
Black .....	2	-	-	-	-	-	-	-	-	-	-	1
Male .....	2	-	-	-	-	-	-	-	-	-	-	1
Female .....	1	-	-	-	-	-	-	-	-	-	-	1
<b>Other and unspecified environmental and accidental causes (E928)</b> .....	2,242	111	11	1	47	6	29	24	17	49	1,947	
Male .....	1,991	62	10	1	46	2	28	20	10	44	1,168	
Female .....	851	49	1	-	1	4	1	4	7	5	779	
White .....	1,859	83	11	1	43	4	20	14	15	34	1,634	
Male .....	1,122	43	10	1	42	2	19	12	8	31	954	
Female .....	737	40	1	-	1	2	1	2	7	3	680	
All other .....	383	28	-	-	4	2	9	10	2	15	313	
Male .....	269	19	-	-	4	2	9	6	2	13	214	
Female .....	114	9	-	-	-	-	-	4	-	2	99	
Black .....	333	26	-	-	4	2	7	2	2	14	269	
Male .....	229	17	-	-	4	2	7	2	2	12	180	
Female .....	104	9	-	-	-	2	-	2	-	2	89	

<sup>1</sup> Including home premises and any noninstitutional place of residence.  
<sup>2</sup> Including buildings and land under cultivation, but excluding farm home and home premises.

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Table 5-6: Deaths From Nontransport Accidents, by Place of Accident, 5-Year Age Groups, Race, and Sex: United States, 1988

[Deaths are those assigned to category numbers E850-E869 and E880-E928 of the Ninth Revision International Classification of Diseases, 1975. Numbers after place of accident are special fifth-digit subcategory codes]

Place of accident, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
All nontransport accidents (E850-E869, E880-E928)	41,444	682	567	460	413	299	2,461	854	769	1,513	2,036	2,520	2,875	2,569
Male	27,156	388	346	312	275	199	1,520	560	579	1,302	1,736	2,072	2,377	2,105
Female	14,288	294	241	168	138	100	941	294	190	211	300	448	498	464
White	33,555	432	434	345	289	183	1,683	564	540	1,195	1,600	1,968	2,194	1,914
Male	21,580	246	255	229	188	128	1,046	375	420	1,028	1,388	1,646	1,853	1,603
Female	11,975	186	179	116	101	55	637	189	120	167	212	322	341	311
All other	7,889	250	153	135	124	116	778	290	229	318	436	552	681	655
Male	5,576	142	91	83	87	71	474	185	159	274	348	426	524	502
Female	2,313	108	62	52	37	45	304	105	70	44	88	126	157	153
Black	6,990	238	137	117	110	107	709	254	196	256	364	481	625	595
Male	4,902	135	79	71	76	65	426	163	136	224	289	367	478	457
Female	2,088	103	58	46	34	42	283	91	60	32	75	114	147	138
Home <sup>1</sup> (0)	16,642	477	446	355	298	214	1,790	490	357	458	644	877	1,150	1,016
Male	10,321	270	256	229	192	134	1,081	293	242	368	481	648	873	767
Female	6,321	207	190	126	106	80	709	197	115	90	163	229	277	249
White	12,971	291	319	242	198	116	1,166	316	255	362	503	675	865	745
Male	7,927	160	183	160	126	75	704	187	182	293	384	514	677	573
Female	5,044	131	136	82	72	41	462	129	73	69	119	161	188	172
All other	3,671	186	127	113	100	98	624	174	102	96	141	202	285	271
Male	2,394	110	73	69	66	59	377	106	60	76	97	134	196	194
Female	1,277	76	54	44	34	39	247	68	42	21	44	68	89	77
Black	3,387	179	114	98	92	93	576	162	94	79	123	185	270	256
Male	2,198	105	63	59	60	56	343	100	56	63	83	122	184	185
Female	1,189	74	51	39	32	37	233	62	38	16	40	63	86	71
Farm <sup>2</sup> (1)	831	1	5	9	7	9	31	25	27	53	45	46	40	40
Male	773	1	5	8	4	8	25	20	22	51	43	45	37	37
Female	58	1	1	1	3	1	6	5	5	2	2	1	3	3
White	775	1	5	9	7	6	28	24	25	48	41	43	38	36
Male	721	1	5	8	4	5	22	19	20	46	39	42	35	34
Female	54	1	1	1	3	1	6	5	5	2	1	1	3	2
All other	56	1	1	1	1	3	3	1	2	5	4	3	2	4
Male	52	1	1	1	1	3	3	1	2	5	4	3	2	3
Female	4	1	1	1	1	3	3	1	1	1	1	1	1	1
Black	44	1	1	1	1	3	3	1	1	4	4	2	2	4
Male	41	1	1	1	1	3	3	1	1	4	4	2	2	3
Female	3	1	1	1	1	1	1	1	1	1	1	1	1	1
Mine and quarry (2)	83	1	1	1	1	1	2	4	3	9	11	6	16	9
Male	80	1	1	1	1	1	1	4	3	9	10	6	15	9
Female	3	1	1	1	1	1	1	1	1	1	1	1	1	1
White	78	1	1	1	1	1	2	4	2	9	11	6	16	7
Male	75	1	1	1	1	1	1	4	2	9	10	6	15	7
Female	3	1	1	1	1	1	1	1	1	1	1	1	1	1
All other	5	1	1	1	1	1	1	1	1	1	1	1	1	1
Male	5	1	1	1	1	1	1	1	1	1	1	1	1	1
Female	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Black	3	1	1	1	1	1	1	1	1	1	1	1	1	1
Male	3	1	1	1	1	1	1	1	1	1	1	1	1	1
Female	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Industrial place and premises (3)	1,513	1	1	1	2	2	5	4	9	74	167	207	226	158
Male	1,467	1	1	1	2	2	4	4	9	71	163	200	221	156
Female	46	1	1	1	1	1	1	1	1	3	4	7	5	2
White	1,304	1	1	1	2	1	4	3	8	66	154	182	190	134
Male	1,269	1	1	1	1	1	3	3	8	64	150	178	186	133
Female	35	1	1	1	1	1	1	1	1	2	4	4	4	1
All other	209	1	1	1	1	1	1	1	1	8	13	25	36	24
Male	198	1	1	1	1	1	1	1	1	7	13	22	35	23
Female	11	1	1	1	1	1	1	1	1	1	1	3	1	1
Black	183	1	1	1	2	1	1	1	1	6	12	20	33	20
Male	173	1	1	1	2	1	1	1	1	5	12	17	32	20
Female	10	1	1	1	1	1	1	1	1	1	1	3	1	1
Place for recreation and sport (4)	958	2	13	20	23	13	71	78	70	145	123	102	91	63
Male	807	1	6	12	19	10	48	53	54	132	109	94	79	59
Female	151	1	7	8	4	3	23	25	16	13	14	8	12	4
White	730	2	11	18	20	11	62	47	41	101	98	83	76	53
Male	613	1	4	11	16	8	40	34	31	89	87	75	67	50
Female	117	1	7	7	4	3	22	13	10	12	11	8	9	3
All other	228	1	2	2	3	2	9	31	29	44	25	19	15	10
Male	184	1	2	1	3	2	8	19	23	43	22	19	12	9
Female	34	1	1	1	1	1	1	12	6	1	3	3	1	1
Black	192	1	2	2	2	1	7	27	26	39	23	13	13	9
Male	163	1	2	1	2	1	6	17	21	38	21	13	10	8
Female	29	1	1	1	1	1	1	10	5	1	2	3	3	1
Street and highway (5)	942	2	1	1	1	1	6	10	8	30	70	99	92	85
Male	792	1	1	1	1	1	4	7	8	23	64	90	76	74
Female	150	1	1	1	1	1	2	3	1	7	6	9	16	11
White	693	1	1	1	1	1	5	8	7	25	56	70	53	54
Male	582	1	1	1	1	1	3	6	7	19	52	66	46	47
Female	111	1	1	1	1	1	2	1	1	6	4	4	7	7
All other	249	1	1	1	1	1	1	2	1	5	14	29	39	31
Male	210	1	1	1	1	1	1	1	1	4	12	24	30	27
Female	39	1	1	1	1	1	1	1	1	1	2	5	9	4
Black	217	1	1	1	1	1	1	1	1	1	11	28	33	28
Male	184	1	1	1	1	1	1	1	1	1	9	23	26	25
Female	33	1	1	1	1	1	1	1	1	1	2	5	7	3

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Table 5-6. Deaths From Nontransport Accidents, by Place of Accident, 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Deaths are those assigned to category numbers E850-E869 and E880-E928 of the Ninth Revision International Classification of Diseases, 1975. Numbers after place of accident are special fifth-digit subcategory codes]

Place of accident, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
All nontransport accidents (E850-E869, E880-E928)	2,014	1,580	1,476	1,582	1,927	2,135	2,399	2,930	3,367	3,310	2,152	752	141	62
Male	1,614	1,268	1,123	1,208	1,356	1,404	1,420	1,657	1,644	1,300	783	214	37	77
Female	400	312	353	374	571	731	979	1,373	1,823	2,010	1,369	538	104	5
White	1,506	1,197	1,110	1,243	1,527	1,771	2,016	2,547	3,031	3,063	2,017	682	126	61
Male	1,212	960	833	939	1,057	1,139	1,189	1,331	1,367	1,190	715	195	32	58
Female	294	237	277	304	470	632	827	1,216	1,664	1,873	1,289	486	94	3
All other	508	383	366	339	400	364	369	363	336	247	135	70	15	21
Male	402	308	290	269	299	265	231	226	177	110	65	18	5	19
Female	106	75	76	70	101	99	152	157	159	137	70	52	10	2
Black	452	352	339	299	354	319	345	341	282	216	119	56	13	21
Male	355	280	287	236	262	231	202	201	143	92	55	14	5	19
Female	97	72	72	63	92	88	143	140	139	124	64	44	8	2
Home <sup>1</sup> (0)	789	620	573	655	819	902	999	1,184	1,257	1,169	646	204	34	9
Male	593	452	390	452	530	572	567	618	580	482	258	56	10	8
Female	196	168	183	203	289	330	432	566	677	687	388	148	24	1
White	565	455	407	501	629	745	817	1,010	1,100	1,062	586	173	30	4
Male	422	327	289	336	396	459	461	518	495	432	233	52	10	3
Female	143	128	138	165	233	286	356	492	605	630	353	121	20	1
All other	224	165	166	154	180	157	182	174	157	107	60	31	4	5
Male	171	125	121	116	134	113	106	100	85	50	25	4	-	5
Female	53	40	45	38	56	44	76	74	72	57	35	27	4	-
Black	215	158	164	144	179	143	170	159	134	92	51	24	4	5
Male	164	118	120	108	123	103	96	93	70	40	18	4	-	5
Female	51	40	44	36	56	40	74	66	64	52	33	20	4	-
Farm <sup>2</sup> (1)	42	49	48	61	67	66	76	65	36	15	9	-	-	-
Male	38	46	43	60	62	64	73	63	34	13	7	-	-	-
Female	4	3	5	1	5	2	3	2	2	2	2	-	-	-
White	36	43	45	58	64	61	73	63	36	15	8	-	-	-
Male	34	40	40	57	59	59	71	61	34	13	6	-	-	-
Female	2	3	5	1	5	2	2	2	2	2	2	-	-	-
All other	6	6	3	3	3	5	3	2	-	-	-	-	-	-
Male	4	6	3	3	3	5	2	2	-	-	-	-	-	-
Female	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	4	5	3	1	3	2	3	2	-	-	-	-	-	-
Male	3	5	3	1	3	2	2	2	-	-	-	-	-	-
Female	1	-	-	-	-	-	1	-	-	-	-	-	-	-
Mine and quarry (2)	3	7	3	3	3	1	-	-	-	-	-	-	-	3
Male	3	7	3	3	3	1	-	-	-	-	-	-	-	3
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
White	2	7	3	3	3	-	-	-	-	-	-	-	-	3
Male	2	7	3	3	3	-	-	-	-	-	-	-	-	3
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Male	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Industrial place and premises (3)	158	124	125	113	76	31	10	10	8	5	2	-	-	-
Male	153	121	124	111	72	30	9	9	6	2	2	-	-	-
Female	5	3	2	2	4	1	1	1	2	3	-	-	-	-
White	138	107	101	98	62	25	8	9	8	5	2	-	-	-
Male	134	105	99	98	59	24	7	8	6	2	2	-	-	-
Female	4	2	2	-	3	1	1	1	2	3	-	-	-	-
All other	20	17	25	15	14	6	2	1	-	-	-	-	-	-
Male	19	16	25	13	13	6	2	1	-	-	-	-	-	-
Female	1	1	-	2	1	-	-	-	-	-	-	-	-	-
Black	16	16	22	14	14	4	2	1	-	-	-	-	-	-
Male	15	15	22	12	13	4	2	1	-	-	-	-	-	-
Female	1	1	-	2	1	-	-	-	-	-	-	-	-	-
Place for recreation and sport (4)	55	28	16	25	25	32	5	15	7	5	1	1	-	-
Male	47	24	13	22	19	29	3	13	5	3	1	-	-	-
Female	8	4	3	3	6	3	2	2	2	2	-	1	-	-
White	36	21	11	19	22	28	5	14	6	5	1	1	-	-
Male	29	19	10	16	17	25	3	13	4	3	1	-	-	-
Female	7	2	1	3	5	3	2	1	2	2	-	1	-	-
All other	19	7	5	6	3	4	-	1	1	-	-	-	-	-
Male	18	5	3	6	2	4	-	1	1	-	-	-	-	-
Female	1	2	2	-	1	-	-	-	-	-	-	-	-	-
Black	15	2	4	5	3	4	-	1	1	-	-	-	-	-
Male	14	1	2	5	2	4	-	1	1	-	-	-	-	-
Female	1	1	2	-	1	-	-	-	-	-	-	-	-	-
Street and highway (5)	85	53	59	53	46	45	50	50	36	39	12	6	1	7
Male	79	49	54	47	41	34	35	37	24	24	10	5	1	6
Female	6	4	5	6	5	11	15	13	12	15	2	1	-	1
White	54	38	38	34	38	33	43	45	33	36	12	6	1	4
Male	52	34	35	31	33	33	31	33	22	22	10	5	1	4
Female	2	4	3	3	6	10	12	12	11	14	2	1	-	-
All other	31	15	21	19	8	12	7	5	3	3	-	-	-	3
Male	27	15	19	16	8	11	4	4	2	2	-	-	-	2
Female	4	-	2	3	-	1	3	1	1	1	-	-	-	1
Black	27	15	20	16	6	11	5	4	3	2	-	-	-	3
Male	23	15	18	13	6	10	4	3	2	1	-	-	-	2
Female	4	-	2	3	-	1	1	1	1	1	-	-	-	1

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Table 5-6. Deaths From Nontransport Accidents, by Place of Accident, 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Deaths are those assigned to category numbers E850-E869 and E880-E928 of the Ninth Revision International Classification of Diseases, 1975.  
Numbers after place of accident are special fifth-digit subcategory codes]

Place of accident, race, and sex	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years
Public building (6)	1,129	3	8	3	5	5	24	14	21	69	90	97	125	128
Male	895	1	4	1	5	4	15	9	16	60	71	78	110	111
Female	234	2	4	2	-	1	9	5	5	9	19	19	15	17
White	926	3	8	3	4	5	23	9	13	56	70	71	101	101
Male	734	1	4	1	4	4	14	5	10	49	57	60	88	90
Female	192	2	4	2	-	1	9	4	3	7	13	11	13	11
All other	203	-	-	-	1	-	1	5	8	13	20	26	24	27
Male	161	-	-	-	1	-	1	4	6	11	14	18	22	21
Female	42	-	-	-	-	-	-	1	2	2	6	8	2	6
Black	177	-	-	-	1	-	1	5	7	10	17	24	24	26
Male	138	-	-	-	1	-	1	4	5	8	12	17	22	20
Female	39	-	-	-	-	-	-	1	2	2	5	7	2	6
Residential institution (7)	2,022	5	1	1	-	-	7	2	6	10	15	22	36	31
Male	830	2	1	-	-	-	3	2	3	5	12	15	28	21
Female	1,192	3	-	1	-	-	4	-	3	5	3	7	8	10
White	1,874	5	1	1	-	-	7	1	4	7	11	16	32	25
Male	739	2	1	-	-	-	3	1	2	4	9	10	26	16
Female	1,135	3	-	1	-	-	4	-	2	3	2	6	6	9
All other	148	-	-	-	-	-	-	1	2	3	4	6	4	6
Male	91	-	-	-	-	-	-	1	1	1	3	5	2	5
Female	57	-	-	-	-	-	-	-	1	2	1	1	2	1
Black	132	-	-	-	-	-	-	1	2	3	4	6	4	6
Male	83	-	-	-	-	-	-	1	1	1	3	5	2	5
Female	49	-	-	-	-	-	-	-	1	2	1	1	2	1
Other specified places (8)	4,288	27	48	52	43	36	206	154	178	390	435	495	427	409
Male	3,669	16	34	35	29	28	142	120	152	352	412	448	381	377
Female	619	11	14	17	14	8	64	34	26	38	23	47	46	32
White	3,268	19	44	40	32	28	183	99	114	301	312	378	321	308
Male	2,814	10	32	28	20	24	114	82	103	270	299	343	289	282
Female	454	9	12	12	12	4	49	17	11	31	13	35	32	16
All other	1,020	8	4	12	11	8	43	55	64	89	123	117	106	101
Male	855	6	2	7	9	4	28	38	49	82	113	105	82	85
Female	165	2	2	5	2	4	15	17	15	7	10	12	14	16
Black	811	8	4	10	7	7	36	41	47	71	96	93	84	80
Male	685	6	2	6	6	4	24	29	37	68	89	83	82	68
Female	126	2	2	4	1	3	12	12	10	3	7	10	12	12
Unspecified place (9)	13,036	165	64	37	34	19	319	73	90	275	436	569	672	630
Male	7,522	97	39	24	25	12	197	48	70	231	371	448	557	494
Female	5,514	68	25	13	9	7	122	25	20	44	65	121	115	136
White	10,936	110	44	29	25	15	223	53	71	220	344	444	502	451
Male	6,106	72	25	18	17	10	142	34	55	185	301	352	424	361
Female	4,830	38	19	11	8	5	81	19	16	35	43	92	78	90
All other	2,100	55	20	8	9	4	96	20	19	55	92	125	170	179
Male	1,416	25	14	6	8	2	55	14	15	46	70	96	133	133
Female	684	30	6	2	1	2	41	6	4	9	22	29	37	46
Black	1,844	50	17	7	8	2	84	16	17	42	74	110	152	164
Male	1,234	23	12	5	7	-	47	11	13	35	56	85	118	121
Female	610	27	5	2	1	2	37	5	4	7	18	25	34	43



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Table 5-6. Deaths From Nontransport Accidents, by Place of Accident, 5-Year Age Groups, Race, and Sex: United States, 1988—Con.

[Deaths are those assigned to category numbers E850-E869 and E880-E928 of the Ninth Revision International Classification of Diseases, 1975. Numbers after place of accident are special fifth-digit subcategory codes]

Place of accident, race, and sex	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
Public building (6)	94	62	54	36	52	35	51	71	46	45	9	3	2	1
Male	82	55	49	33	49	28	38	41	25	25	4	-	1	1
Female	12	7	5	3	9	7	13	30	21	20	5	3	1	-
White	74	51	48	32	40	29	45	64	42	43	9	3	2	-
Male	68	46	44	30	32	23	32	38	22	23	4	-	1	-
Female	8	5	4	2	8	6	13	26	20	20	5	3	1	-
All other	20	11	6	4	12	6	6	7	4	2	-	-	-	1
Male	16	9	5	3	11	5	6	3	3	2	-	-	-	1
Female	4	2	1	1	1	1	-	4	1	-	-	-	-	-
Black	17	9	5	4	10	6	4	3	2	2	-	-	-	1
Male	13	7	4	3	9	5	4	-	1	2	-	-	-	1
Female	4	2	1	1	1	1	-	3	1	-	-	-	-	-
Residential institution (7)	25	33	37	31	60	91	130	205	362	397	353	143	26	-
Male	18	25	21	18	36	53	66	96	131	130	102	38	9	-
Female	9	8	16	13	24	38	64	109	231	267	251	105	17	-
White	20	23	31	28	56	77	117	188	347	385	338	137	24	-
Male	11	16	18	16	34	42	59	90	122	125	93	35	7	-
Female	9	7	13	12	22	35	58	98	225	260	245	102	17	-
All other	5	10	6	3	4	14	13	17	15	12	15	6	2	-
Male	5	9	3	2	2	11	7	6	9	5	9	3	2	-
Female	-	1	3	1	2	3	6	11	6	7	6	3	-	-
Black	5	9	5	2	4	14	11	13	11	11	14	5	2	-
Male	5	8	3	1	2	11	5	5	7	5	9	2	2	-
Female	-	1	2	1	2	3	6	8	4	6	5	3	-	-
Other specified places (8)	256	194	176	164	166	151	127	125	98	64	36	6	1	30
Male	224	176	155	145	139	115	88	94	65	33	18	3	-	30
Female	32	18	21	19	27	36	39	31	33	31	18	3	1	-
White	201	154	130	138	126	124	103	99	82	52	32	6	1	24
Male	174	140	112	122	105	98	70	74	55	29	16	3	-	24
Female	27	14	18	16	21	26	33	25	27	23	16	3	1	-
All other	55	40	46	26	40	27	24	26	16	12	4	-	-	6
Male	50	36	43	23	34	17	18	20	10	4	2	-	-	6
Female	5	4	3	3	6	10	6	6	6	8	2	-	-	-
Black	44	32	37	20	29	21	18	20	11	11	4	-	-	6
Male	40	29	34	18	26	12	13	15	6	4	2	-	-	6
Female	4	3	3	2	3	9	5	5	5	7	2	-	-	-
Unspecified place (9)	507	410	384	441	613	781	951	1,215	1,517	1,571	1,084	389	77	32
Male	379	313	271	317	411	478	541	596	674	588	381	112	16	29
Female	128	97	113	124	202	303	410	619	843	983	703	277	61	3
White	380	298	296	332	487	649	805	1,065	1,377	1,460	1,029	356	68	26
Male	288	226	203	230	319	386	455	506	607	541	353	101	13	24
Female	92	72	93	102	168	263	350	559	770	919	676	255	55	2
All other	127	112	88	109	126	132	146	150	140	111	55	33	9	6
Male	91	87	68	87	92	92	86	90	67	47	28	11	3	5
Female	36	25	20	22	34	40	60	60	73	64	27	22	6	1
Black	109	106	79	93	106	113	132	138	120	98	49	29	7	6
Male	78	82	61	75	78	79	76	82	56	40	25	8	3	5
Female	31	24	18	18	28	34	56	56	64	58	24	21	4	1

<sup>1</sup> Including home premises and any noninstitutional place of residence.  
<sup>2</sup> Including buildings and land under cultivation, but excluding farm home and home premises.

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Table 5-7. Deaths From Nontransport Accidents, by Place of Accident, Race, and Sex: United States and Each State, 1988

[Deaths are those assigned to category numbers E850-E869 and E880-E928 of the Ninth Revision International Classification of Diseases, 1975. Numbers after place of accident are special fifth-digit subcategory codes]

Area, race, and sex	Total deaths	Place of accident									
		Home <sup>1</sup>	Farm <sup>2</sup>	Mine and quarry	Industrial place and premises	Place for recreation and sport	Street and highway	Public building	Residential institution	Other specified places	Unspecified place
		(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
United States .....	41,444	16,642	831	83	1,513	958	942	1,129	2,022	4,288	13,038
Male .....	27,156	10,321	779	80	1,467	807	792	895	830	3,669	7,522
Female .....	14,288	6,321	58	3	46	151	150	234	1,192	619	5,514
White .....	33,555	12,971	775	78	1,304	730	693	926	1,874	3,268	10,936
Male .....	21,580	7,927	721	75	1,269	613	582	734	1,789	2,814	8,108
Female .....	11,975	5,044	54	3	35	117	111	182	1,135	454	4,830
All other .....	7,889	3,671	56	5	209	228	249	203	148	1,020	2,100
Male .....	5,576	2,394	52	5	198	194	210	161	91	855	1,416
Female .....	2,313	1,277	4	-	11	34	39	42	57	165	684
Black .....	6,990	3,387	44	3	183	192	217	177	132	811	1,844
Male .....	4,902	2,198	41	3	173	163	184	138	83	685	1,234
Female .....	2,088	1,189	3	-	10	29	33	39	49	126	610
Alabama .....	925	360	13	2	34	12	16	17	28	85	358
Male .....	612	216	11	2	34	11	12	14	12	79	221
Female .....	313	144	2	-	-	1	4	3	16	6	137
White .....	607	223	10	1	26	4	12	12	23	49	247
Male .....	380	126	9	1	26	3	8	9	8	45	145
Female .....	227	97	1	-	-	1	4	3	15	4	102
All other .....	318	137	3	1	8	8	4	5	5	36	111
Male .....	232	90	2	1	8	8	4	5	4	34	76
Female .....	86	47	1	-	-	-	-	-	1	2	35
Black .....	318	137	3	1	8	8	4	5	5	36	111
Male .....	232	90	2	1	8	8	4	5	4	34	76
Female .....	86	47	1	-	-	-	-	-	1	2	35
Alaska .....	207	33	-	-	5	2	1	2	1	42	121
Male .....	158	18	-	-	5	2	-	2	1	34	96
Female .....	49	15	-	-	-	-	1	-	-	8	25
White .....	111	20	-	-	4	1	-	2	-	24	59
Male .....	83	13	-	-	4	1	-	2	-	19	44
Female .....	28	7	-	-	-	-	1	-	-	5	15
All other .....	96	13	-	-	1	1	-	-	1	18	62
Male .....	75	5	-	-	1	1	-	-	1	15	52
Female .....	21	8	-	-	-	-	-	-	-	3	10
Black .....	2	-	-	-	-	-	-	-	-	1	-
Male .....	2	-	-	-	-	-	-	-	-	1	-
Female .....	-	-	-	-	-	-	-	-	-	-	-
Arizona .....	656	301	1	5	14	19	19	19	33	124	121
Male .....	450	196	1	5	12	16	16	17	13	103	71
Female .....	206	105	-	-	2	3	3	2	20	21	50
White .....	538	257	-	5	11	16	15	16	33	80	105
Male .....	364	166	-	5	10	14	12	14	13	67	63
Female .....	174	91	-	-	1	2	3	2	20	13	42
All other .....	118	44	1	-	3	3	4	3	-	44	16
Male .....	86	30	1	-	2	2	4	3	-	36	8
Female .....	32	14	-	-	1	1	1	-	-	8	8
Black .....	20	16	-	-	1	1	1	-	-	1	-
Male .....	16	12	-	-	1	1	1	-	-	1	-
Female .....	4	4	-	-	-	-	-	-	-	-	-
Arkansas .....	516	202	16	1	24	16	12	7	23	63	152
Male .....	357	133	15	1	24	16	11	5	5	57	90
Female .....	159	69	1	-	-	-	1	2	18	6	62
White .....	400	150	15	1	19	15	10	4	23	52	111
Male .....	273	99	14	1	19	15	9	3	5	47	61
Female .....	127	51	1	-	-	-	1	1	18	5	50
All other .....	116	52	1	-	5	1	2	3	-	11	41
Male .....	84	34	1	-	5	1	2	2	-	10	29
Female .....	32	18	-	-	-	-	1	1	-	1	12
Black .....	116	52	1	-	5	1	2	3	-	11	41
Male .....	84	34	1	-	5	1	2	2	-	10	29
Female .....	32	18	-	-	-	-	1	1	-	1	12
California .....	4,246	1,941	20	2	109	89	152	223	195	433	1,082
Male .....	2,962	1,231	18	2	106	74	125	181	84	374	767
Female .....	1,284	710	2	-	3	15	27	42	111	59	315
White .....	3,553	1,607	19	2	96	72	124	194	181	357	901
Male .....	2,463	1,015	17	2	94	63	100	161	73	309	629
Female .....	1,090	592	2	-	2	9	24	33	108	48	272
All other .....	693	334	1	-	13	17	28	29	14	76	181
Male .....	499	216	1	-	12	11	25	20	11	65	138
Female .....	194	118	-	-	1	6	3	9	3	11	43
Black .....	497	243	-	-	6	10	23	21	10	41	143
Male .....	357	153	-	-	5	7	22	13	8	38	111
Female .....	140	90	-	-	1	3	1	8	2	3	32
Colorado .....	477	189	8	6	14	22	16	17	49	43	113
Male .....	300	117	7	6	14	15	12	12	17	40	60
Female .....	177	72	1	-	-	7	4	5	32	3	53
White .....	452	182	8	5	14	21	15	16	47	40	104
Male .....	286	113	7	5	14	15	11	11	16	38	68
Female .....	166	69	1	-	-	6	4	5	31	2	36
All other .....	25	7	-	-	-	1	1	1	2	3	4
Male .....	14	4	-	-	-	1	1	1	1	2	4
Female .....	11	3	-	-	-	-	-	-	1	1	5
Black .....	16	6	-	-	-	-	1	1	2	1	1
Male .....	8	3	-	-	-	-	1	1	1	1	1
Female .....	8	3	-	-	-	-	-	-	1	-	4







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Table 5-7. Deaths From Nontransport Accidents, by Place of Accident, Race, and Sex: United States and Each State, 1988—Con.

[Deaths are those assigned to category numbers E850-E869 and E880-E928 of the Ninth Revision International Classification of Diseases, 1975.  
Numbers after place of accident are special fifth-digit subcategory codes]

Area, race, and sex	Total deaths	Place of accident									
		Home *	Farm *	Mine and quarry	Industrial place and premises	Place for recreation and sport	Street and highway	Public building	Residential institution	Other specified places	Unspecified place
		(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Nebraska	279	131	26	1	10	6	6	5	29	12	53
Male	182	86	24	1	9	5	6	4	9	12	26
Female	97	45	2	-	1	1	-	1	20	-	27
White	269	126	25	1	10	6	5	5	28	12	51
Male	176	82	24	1	9	5	5	4	9	12	25
Female	93	44	1	-	1	1	-	1	19	-	26
All other	10	5	1	-	-	-	-	1	1	-	2
Male	6	4	-	-	-	-	-	1	-	-	1
Female	4	1	1	-	-	-	-	-	1	-	1
Black	6	4	-	-	-	-	-	-	-	-	1
Male	5	3	-	-	-	-	-	1	-	-	1
Female	1	1	-	-	-	-	-	-	-	-	-
Nevada	147	55	1	3	9	8	3	8	6	20	34
Male	114	40	1	3	9	6	2	8	4	18	23
Female	33	15	-	-	-	2	1	-	2	2	11
White	133	48	1	3	9	7	2	8	6	18	31
Male	101	34	1	3	9	5	1	8	4	16	20
Female	32	14	-	-	-	2	1	4	2	2	11
All other	14	7	-	-	-	1	1	-	-	2	3
Male	13	6	-	-	-	1	1	-	-	2	3
Female	1	1	-	-	-	-	-	-	-	-	-
Black	8	5	-	-	-	-	-	-	-	1	2
Male	8	5	-	-	-	-	-	-	-	1	2
Female	-	-	-	-	-	-	-	-	-	-	-
New Hampshire	114	46	-	-	9	2	2	3	4	8	40
Male	67	29	-	-	9	2	2	1	1	8	15
Female	47	17	-	-	-	-	-	2	3	-	25
White	114	46	-	-	9	2	2	3	4	8	40
Male	67	29	-	-	9	2	2	1	1	8	15
Female	47	17	-	-	-	-	-	2	3	-	25
All other	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-
New Jersey	1,133	399	3	-	39	17	39	29	21	85	501
Male	731	251	2	-	39	16	37	26	8	76	276
Female	402	148	1	-	-	1	2	3	13	9	225
White	877	292	3	-	28	13	23	21	21	60	416
Male	553	186	2	-	28	12	23	19	8	54	221
Female	324	106	1	-	-	1	-	2	13	6	195
All other	256	107	-	-	11	4	16	8	-	25	85
Male	178	65	-	-	11	4	14	7	-	22	55
Female	78	42	-	-	-	-	2	1	-	3	30
Black	244	104	-	-	8	4	13	8	-	24	83
Male	169	63	-	-	8	4	12	7	-	21	54
Female	75	41	-	-	-	-	1	1	-	3	29
New Mexico	290	123	3	2	9	11	10	12	10	51	59
Male	203	77	2	2	9	11	9	10	2	43	38
Female	87	46	1	-	-	-	1	2	8	8	21
White	239	113	3	2	9	8	7	9	10	30	48
Male	157	67	2	2	9	8	6	7	2	25	29
Female	82	46	1	-	-	-	1	2	8	5	19
All other	51	10	-	-	-	3	3	3	-	21	11
Male	46	10	-	-	-	3	3	3	-	18	9
Female	5	-	-	-	-	-	-	-	-	3	2
Black	4	2	-	-	-	1	-	1	-	-	-
Male	4	2	-	-	-	1	-	1	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-
New York	2,784	943	15	1	64	38	44	50	146	358	1,125
Male	1,779	524	14	1	60	32	34	43	68	287	716
Female	1,005	419	1	-	4	6	10	7	78	71	409
White	2,235	793	14	1	55	29	35	41	130	248	889
Male	1,377	427	14	1	51	23	27	34	57	198	545
Female	858	366	-	-	4	6	8	7	73	50	344
All other	549	150	1	-	9	9	9	9	16	110	236
Male	402	97	-	-	9	9	7	9	11	89	171
Female	147	53	1	-	-	-	2	-	5	21	65
Black	508	139	1	-	6	8	9	8	14	105	218
Male	371	89	-	-	6	8	7	8	9	85	159
Female	137	50	1	-	-	-	2	-	5	20	59
North Carolina	1,401	465	47	3	55	21	22	23	40	126	609
Male	922	299	47	3	55	20	22	20	17	110	329
Female	479	156	-	-	-	1	-	3	23	16	280
White	938	256	33	2	41	16	12	14	31	78	455
Male	583	162	33	2	41	16	12	12	11	67	227
Female	355	94	-	-	-	-	-	2	20	11	228
All other	463	199	14	1	14	5	10	9	9	48	154
Male	339	137	14	1	14	4	10	8	6	43	102
Female	124	62	1	-	-	1	-	1	3	5	52
Black	448	191	13	1	13	5	10	9	9	45	152
Male	325	130	13	1	13	4	10	8	6	40	100
Female	123	61	-	-	-	1	-	1	3	5	52

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Table 5-7. Deaths From Nontransport Accidents, by Place of Accident, Race, and Sex: United States and Each State, 1988—Con.

[Deaths are those assigned to category numbers E850-E869 and E880-E928 of the Ninth Revision International Classification of Diseases, 1975. Numbers after place of accident are special fifth-digit subcategory codes]

Area, race, and sex	Total deaths	Place of accident									
		Home <sup>1</sup>	Farm <sup>2</sup>	Mine and quarry	Industrial place and premises	Place for recreation and sport	Street and highway	Public building	Residential institution	Other specified places	Unspecified place
		(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
North Dakota	107	41	4	--	3	6	1	3	12	12	25
Male	65	24	3	--	3	4	1	1	6	7	16
Female	42	17	1	--	--	2	--	2	6	5	9
White	100	40	4	--	3	6	1	3	12	8	23
Male	62	24	3	--	3	4	1	1	6	5	15
Female	38	16	1	--	--	2	--	2	6	3	8
All other	7	1	--	--	--	--	--	--	--	4	2
Male	3	--	--	--	--	--	--	--	--	2	1
Female	4	1	--	--	--	--	--	--	--	2	1
Black	--	--	--	--	--	--	--	--	--	--	--
Male	--	--	--	--	--	--	--	--	--	--	--
Female	--	--	--	--	--	--	--	--	--	--	--
Ohio	1,726	688	37	4	76	37	30	35	79	116	624
Male	1,041	407	32	4	73	32	28	26	38	96	309
Female	685	281	5	--	3	5	4	9	43	20	315
White	1,458	545	37	4	68	26	24	27	69	97	561
Male	861	317	32	4	65	23	20	20	31	81	266
Female	597	228	5	--	3	3	4	7	38	16	293
All other	268	143	--	--	8	11	6	8	10	19	63
Male	180	90	--	--	8	9	6	6	5	15	41
Female	88	53	--	--	--	2	--	2	5	4	22
Black	262	143	--	--	8	11	5	8	8	19	60
Male	177	90	--	--	8	9	5	6	4	15	40
Female	85	53	--	--	--	2	--	2	4	4	20
Oklahoma	659	213	26	3	25	19	7	18	41	63	244
Male	426	130	21	3	23	17	6	14	27	56	142
Female	233	83	5	--	2	2	1	4	14	7	102
White	595	197	24	3	23	18	6	16	40	52	216
Male	375	117	19	3	21	16	5	12	14	46	122
Female	220	80	5	--	2	2	1	4	26	6	94
All other	64	16	2	--	2	1	1	2	1	11	28
Male	51	13	2	--	2	1	1	2	1	10	20
Female	13	3	--	--	--	--	--	--	1	1	8
Black	33	13	1	--	1	--	--	1	--	6	11
Male	26	11	1	--	1	--	--	1	--	5	7
Female	7	2	--	--	--	--	--	--	1	1	4
Oregon	459	176	5	--	27	10	8	7	29	71	126
Male	288	105	5	--	26	7	8	6	5	63	58
Female	171	71	--	--	1	3	--	1	19	8	68
White	430	162	4	--	26	9	7	6	28	66	122
Male	269	99	4	--	25	7	7	5	10	58	54
Female	161	63	1	--	1	2	--	1	18	8	68
All other	29	14	1	--	1	1	1	1	1	5	4
Male	19	6	1	--	1	--	1	1	--	5	4
Female	10	8	--	--	--	1	--	--	1	--	--
Black	13	6	--	--	1	1	--	1	--	2	2
Male	7	1	--	--	1	--	--	1	--	2	2
Female	6	5	--	--	--	1	--	--	--	--	--
Pennsylvania	2,156	880	31	2	79	30	68	40	62	154	810
Male	1,385	566	29	2	77	26	57	29	38	141	420
Female	771	314	2	--	2	4	11	11	24	13	390
White	1,804	696	31	2	66	24	50	32	56	131	716
Male	1,143	444	29	2	64	22	41	23	33	119	366
Female	661	252	2	--	2	2	9	9	23	12	350
All other	352	184	--	--	13	6	18	8	6	23	94
Male	242	122	--	--	13	4	16	6	5	22	54
Female	110	62	--	--	--	2	2	2	1	1	40
Black	347	181	--	--	13	6	18	8	6	22	93
Male	238	120	--	--	13	4	16	6	5	21	58
Female	109	61	--	--	--	2	2	2	1	1	40
Rhode Island	122	50	--	--	4	--	2	5	14	9	38
Male	81	32	--	--	4	--	2	3	7	8	25
Female	41	18	--	--	--	--	--	2	7	1	13
White	118	48	--	--	4	--	2	4	14	9	37
Male	78	31	--	--	4	--	2	2	7	8	24
Female	40	17	--	--	--	--	--	2	7	1	13
All other	4	2	--	--	--	--	--	1	--	--	1
Male	3	1	--	--	--	--	--	1	--	--	1
Female	1	1	--	--	--	--	--	--	--	--	--
Black	4	2	--	--	--	--	--	1	--	--	1
Male	3	1	--	--	--	--	--	1	--	--	1
Female	1	1	--	--	--	--	--	--	--	--	--
South Carolina	790	345	5	--	32	19	9	15	7	109	249
Male	533	235	3	--	29	17	8	13	7	98	123
Female	257	110	2	--	3	2	1	2	7	11	126
White	443	173	4	--	19	11	3	11	7	55	160
Male	287	117	3	--	18	9	2	9	7	52	70
Female	156	56	1	--	1	2	1	2	1	3	90
All other	347	172	1	--	13	8	6	4	--	54	89
Male	246	118	--	--	11	8	6	4	--	46	53
Female	101	54	1	--	2	--	--	--	--	8	36
Black	346	172	1	--	13	8	6	4	--	54	88
Male	246	118	--	--	11	8	6	4	--	46	53
Female	100	54	1	--	2	--	--	--	--	8	35

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Table 5-7. Deaths From Nontransport Accidents, by Place of Accident, Race, and Sex: United States and Each State, 1988—Con.

[Deaths are those assigned to category numbers E850-E869 and E880-E928 of the Ninth Revision International Classification of Diseases, 1975. Numbers after place of accident are special fifth-digit subcategory codes]

Area, race, and sex	Total deaths	Place of accident									
		Home <sup>a</sup>	Farm <sup>a</sup>	Mine and quarry	Industrial place and premises	Place for recreation and sport	Street and highway	Public building	Residential institution	Other specified places	Unspecified place
		(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
South Dakota	120	51	13	--	2	2	7	2	9	20	14
Male	77	29	12	--	2	2	5	2	3	14	8
Female	43	22	1	--	--	--	2	--	6	6	6
White	100	44	12	--	2	2	2	1	9	16	12
Male	65	25	11	--	2	2	2	1	3	11	8
Female	35	19	1	--	--	--	--	--	6	5	4
All other	20	7	1	--	--	--	5	1	--	4	2
Male	12	4	1	--	--	--	3	1	--	3	--
Female	8	3	--	--	--	--	2	--	--	1	2
Black	2	2	--	--	--	--	--	--	--	--	--
Male	2	2	--	--	--	--	--	--	--	--	--
Female	--	--	--	--	--	--	--	--	--	--	--
Tennessee	1,013	393	24	1	28	19	21	19	37	69	402
Male	649	243	24	1	28	16	14	15	15	58	235
Female	364	150	--	--	--	3	7	4	22	11	167
White	826	290	22	1	26	17	17	16	33	59	345
Male	530	173	22	1	26	15	13	13	12	49	206
Female	296	117	--	--	--	2	4	3	21	10	139
All other	187	103	2	--	2	2	4	3	4	10	57
Male	119	70	2	--	2	1	1	2	3	9	29
Female	68	33	--	--	--	1	3	1	1	1	28
Black	182	100	2	--	2	2	4	3	4	10	55
Male	117	69	2	--	2	1	2	2	3	9	28
Female	65	31	--	--	--	1	3	1	1	1	27
Texas	2,691	927	54	1	109	68	31	63	99	384	955
Male	1,839	586	52	1	108	59	30	48	33	326	598
Female	852	341	2	--	1	9	1	15	66	58	359
White	2,317	770	52	1	103	60	25	57	95	306	848
Male	1,577	488	50	1	102	52	24	42	29	265	524
Female	740	282	2	--	1	8	1	15	66	41	324
All other	374	157	2	--	6	8	6	6	4	78	107
Male	262	98	2	--	6	7	6	6	4	61	72
Female	112	59	--	--	--	1	--	--	--	17	35
Black	367	155	2	--	6	8	5	6	4	75	106
Male	255	96	2	--	6	7	5	6	4	58	71
Female	112	59	--	--	--	1	--	--	--	17	35
Utah	217	88	8	1	10	11	1	4	7	32	55
Male	143	54	8	1	10	11	1	3	5	23	27
Female	74	34	--	--	--	--	1	1	2	9	28
White	210	85	7	1	10	9	1	4	7	31	54
Male	138	53	7	1	10	9	1	3	5	22	27
Female	72	33	--	--	--	--	1	1	2	9	27
All other	7	2	1	--	--	2	--	--	--	1	1
Male	5	1	1	--	--	2	--	--	--	1	--
Female	2	1	--	--	--	--	--	--	--	--	1
Black	1	--	--	--	--	--	--	--	--	1	--
Male	1	--	--	--	--	--	--	--	--	1	--
Female	--	--	--	--	--	--	--	--	--	--	--
Vermont	99	40	3	1	3	3	3	2	3	10	31
Male	61	26	2	1	3	3	3	1	1	7	15
Female	38	14	1	--	--	--	--	1	3	3	16
White	98	39	3	1	3	3	3	2	3	10	31
Male	60	25	2	1	3	3	3	1	--	7	15
Female	38	14	1	--	--	--	--	1	3	3	16
All other	1	1	--	--	--	--	--	--	--	--	--
Male	1	1	--	--	--	--	--	--	--	--	--
Female	--	--	--	--	--	--	--	--	--	--	--
Black	--	--	--	--	--	--	--	--	--	--	--
Male	--	--	--	--	--	--	--	--	--	--	--
Female	--	--	--	--	--	--	--	--	--	--	--
Virginia	1,078	424	27	5	56	20	16	18	44	108	360
Male	734	278	27	5	56	18	15	17	16	95	207
Female	344	146	--	--	--	2	1	1	28	13	153
White	777	277	26	5	38	11	8	14	39	79	280
Male	512	175	26	5	38	9	7	13	14	72	153
Female	265	102	--	--	--	2	1	1	25	7	127
All other	301	147	1	--	18	9	8	4	5	29	80
Male	222	103	1	--	18	9	8	4	2	23	54
Female	79	44	--	--	--	--	--	--	3	6	26
Black	293	143	1	--	18	9	7	4	5	26	80
Male	217	101	1	--	18	9	7	4	2	21	54
Female	76	42	--	--	--	--	--	--	3	5	26
Washington	672	276	3	--	21	21	11	18	47	98	177
Male	451	172	3	--	21	15	11	13	21	89	106
Female	221	104	--	--	--	6	--	5	26	9	71
White	609	244	3	--	20	18	11	17	46	87	163
Male	403	147	3	--	20	13	11	13	20	80	96
Female	206	97	--	--	--	5	--	4	26	7	67
All other	63	32	--	--	1	3	--	1	1	11	14
Male	48	25	--	--	1	2	--	--	1	9	10
Female	15	7	--	--	--	1	--	1	--	2	4
Black	21	12	--	--	--	2	--	1	--	1	5
Male	14	8	--	--	--	1	--	--	--	1	4
Female	7	4	--	--	--	1	--	1	--	--	1



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Table 5-7. Deaths From Nontransport Accidents, by Place of Accident, Race, and Sex: United States and Each State, 1988—Con.

[Deaths are those assigned to category numbers E850-E869 and E880-E928 of the Ninth Revision International Classification of Diseases, 1975.  
Numbers after place of accident are special fifth-digit subcategory codes]

Area, race, and sex	Total deaths	Place of accident									
		Home <sup>1</sup>	Farm <sup>2</sup>	Mine and quarry	Industrial place and premises	Place for recreation and sport	Street and highway	Public building	Residential institution	Other specified places	Unspecified place
		(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
West Virginia	342	144	17	7	15	9	9	8	16	45	72
Male	246	91	17	7	15	8	8	7	10	40	43
Female	96	53	-	-	-	1	1	1	6	5	29
White	320	128	17	7	14	9	6	8	15	45	69
Male	228	79	17	7	14	8	7	7	9	40	40
Female	92	49	-	-	-	1	1	1	6	5	29
All other	22	16	-	-	1	-	-	-	1	-	3
Male	16	12	-	-	1	-	-	-	1	-	3
Female	4	4	-	-	-	-	-	-	-	-	-
Black	22	16	-	-	1	-	-	-	1	-	3
Male	18	12	-	-	1	-	-	-	1	-	3
Female	4	4	-	-	-	-	-	-	-	-	-
Wisconsin	785	399	46	2	35	12	21	20	96	84	70
Male	523	247	43	1	32	10	17	14	47	70	42
Female	262	152	3	1	3	2	4	6	49	14	28
White	732	364	46	2	35	10	19	20	93	75	68
Male	482	222	49	1	32	8	15	14	45	62	40
Female	250	142	3	1	3	2	4	6	48	13	28
All other	53	35	-	-	-	2	2	-	3	9	2
Male	41	25	-	-	-	2	2	-	2	8	2
Female	12	10	-	-	-	-	-	-	1	1	-
Black	47	34	-	-	-	1	2	-	3	5	2
Male	36	24	-	-	-	1	2	-	2	5	2
Female	11	10	-	-	-	-	-	-	1	-	-
Wyoming	107	35	6	-	11	5	3	4	2	18	23
Male	83	25	5	-	11	4	1	4	1	17	15
Female	24	10	1	-	-	1	2	-	1	1	8
White	105	35	6	-	10	5	2	4	2	18	23
Male	82	25	5	-	10	4	1	4	1	17	15
Female	23	10	1	-	-	1	-	-	1	1	8
All other	2	-	-	-	1	-	1	-	-	-	-
Male	1	-	-	-	1	-	-	-	-	-	-
Female	1	-	-	-	-	-	1	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-

<sup>1</sup> Including home premises and any noninstitutional place of residence.  
<sup>2</sup> Including buildings and land under cultivation, but excluding farm home and home premises.

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<b>Years:</b>							
1900-1988 -----							<sup>1</sup> 5
1988 only -----			1	2	3		
Specified years and 1988 -----						<sup>2</sup> 4	
<b>Type of entry:</b>							
Proportion dying ( ${}_p q_x$ ) -----			1				
Number surviving ( $l_x$ ) -----			1	2		4	
Number dying ( ${}_p d_x$ ) -----			1				
Stationary population ( ${}_p L_x$ and $T_x$ ) -----			1				
Average remaining lifetime ( $e_x^o$ ) -----			1		3	4	
Average length of life ( $e_o$ ) -----							5
<b>Characteristics:</b>							
<b>Age by:</b>							
Single years -----				2	3		
5-year intervals -----			1			4	
Race-specific -----			1	2	3	4	5
Sex-race specific -----			1	2	3	4	5
Sex-specific -----			1	2	3	4	5
Total population -----			1	2	3	4	5

<sup>1</sup>Entire United States for 1929-88; death-registration States for 1900-28.

<sup>2</sup>Entire United States for specified years from 1929 to 1988; death-registration States for specified years from 1900 to 1921.

Death rates for a specific period may be summarized by the life table method to obtain measures of comparative longevity. There are two types of life tables—the generation or cohort life table and the current life table.

The generation life table provides a “longitudinal” perspective in that it follows the mortality experience of a particular cohort, all persons born in the year 1900, for example, from the moment of birth through consecutive ages in successive calendar years. Based on age-specific death rates observed through consecutive calendar years, the generation life table reflects the mortality experience of an actual cohort from birth until no lives remain in the group. To prepare just a single complete generation life table requires data over many years. It is not feasible to construct generation life tables entirely on the basis of actual data for cohorts born in this century (1). It is necessary to project data for the incomplete period for cohorts whose life spans are not yet complete (2).

The better-known current life table may, in contrast, be characterized as “cross sectional.” Unlike the generation life table, the current life table does not represent the mortality experience of an actual cohort. Rather, the current life table considers a hypothetical cohort and assumes that it is subject to the age-specific death rates observed for an actual population during a particular period. Thus, for example, a current life table for 1988 assumes a hypothetical cohort subject throughout its lifetime to the age-specific death rates prevailing for the actual population in 1988. The current life table may thus be characterized as rendering a “snapshot” of current mortality experience, and shows the long-range implications of a set of age-specific death rates that prevailed in a given year. In this section the term “life table” refers only to the current life table and not to the generation life table.

## THE LIFE TABLE PROGRAM

Three series of life tables are prepared by the National Center for Health Statistics—complete, provisional abridged, and final abridged. The complete life tables for the U.S. population contain life table values for single years of age. They are based on decennial census data and deaths for a 3-year period around the census year and have been prepared since 1900. The provisional abridged life tables contain values by 5-year age groups and are based on a 10 percent sample of deaths. The final abridged life tables (referred to in this section as “abridged life tables”) also contain values by 5-year age groups but are based on a complete count of all reported deaths.

In response to a growing number of requests for postcensal life table values, a series of abridged life tables was initiated in 1945. Available annually since that year, the abridged life tables are based on deaths occurring during the calendar year

and on midyear postcensal population estimates provided by the U.S. Bureau of the Census. Refinements in both the techniques for estimating the population and the methods for constructing abridged life tables permit these tables to be prepared in a way that provides reasonably accurate data on current trends in expectation of life and survivorship. Beginning with 1945, abridged life tables have been constructed by reference to a standard table (3). Methodology developed by Greville was used in constructing life tables for 1945–52. Since 1953 a modified method has been employed (4). U.S. decennial life tables for the period 1979–81 are used as the standard table in constructing the 1988 abridged life tables.

The 1945 abridged life tables were prepared for white and all other males and females. Since 1946 abridged life tables for the total population have also been available, and since 1948 abridged life tables have been calculated for total males and total females. Beginning with 1951, additional abridged life tables have been calculated for the total white and total all other populations.

Numerous requests have been received annually for current life table statistics that are more detailed than those available in the abridged life tables. Therefore, tables showing  $l_x$  and  $e_x$  values by single years of age interpolated from the abridged life tables have been published since 1960.

The demand for information regarding up-to-date life table values was responsible for the introduction of a third series, provisional abridged life tables. Beginning with 1958, provisional abridged life tables have been published, for the total population only, in the “Annual Summary of Births, Marriages, Divorces, and Deaths, United States,” *Monthly Vital Statistics Report*; unpublished provisional life table data by race and sex are also produced annually. Values in these life tables are based on population estimates provided by the U.S. Bureau of the Census and on the estimated number of deaths derived from the Current Mortality Sample. The Current Mortality Sample consists of one-tenth of the death certificates filed in the vital statistics registration offices of each State, the District of Columbia, and New York City. The sample is taken by selecting 1 of every 10 death certificates received between two dates a month apart, regardless of the month or year in which the death occurred.

## LIFE TABLE VALUES

The data used to prepare the abridged U.S. life tables for 1988 are the final mortality statistics and the midyear estimates of the population by age, race, and sex prepared by the U.S. Bureau of the Census. Selected life table values for 1900–1902, 1959–61, 1969–71, 1979–81, 1987, and 1988 are shown in tables A and D.

## TRENDS AND COMPARISONS

*Expectation of life*—The most frequently used life table statistic is life expectancy ( $e_x$ ), which is the average number of years of life remaining for persons who have attained a given age ( $x$ ). Life expectancy and other life table values at specified ages in 1988 are shown for the total population and by race and sex in table 6-1. In addition, life expectancies at single years of age by race and sex are shown in table 6-3.

Life expectancy at birth for 1988 for the total population was 74.9 years. This represents the average number of years that the members of the life table cohort may expect to live at the time of birth (tables A and 6-1).

*Survivors to specified ages*—Another way of assessing the longevity of the life table cohort is by determining the proportion who survive to specified ages. The  $l_x$  column provides the data for computing the proportion. For instance, for the total population, 79,123 of the original 1988 life table cohort of 100,000 (79.1 percent) were alive at exact age 65 (tables D and 6-2).

*Median length of life*—In addition to determining the proportion alive at a specified age, one can also compute the median age at death, the age at which exactly half the cohort (50,000 persons) still remain alive and half have died. For example, in 1988 the median age at death for the total population was 78.6 years (table D).

In 1988, life expectancy in the United States was 74.9 years, 0.1 years below the highest life expectancy recorded in 1987. Among the four race-sex groups (white males and females, black males and females), white females had the highest life expectancy at birth, 78.9 years; followed by black females, 73.4 years; white males, 72.3 years; and black males, 64.9 years (table A). The same order in life expectancy was maintained by each of the four race-sex groups at ages 1, 20, and 65 years.

Between 1987 and 1988, life expectancy increased for only one of the four race-sex groups (table B), namely, white males, by 0.1 years. Life expectancy remained unchanged for white females, and it decreased for black males and females by 0.3 and 0.2 years, respectively, between 1987 and 1988. For these two groups, life expectancy has dropped to the lowest levels since 1981 (table 6-5).

Since the beginning of the century through the mid-1980's, the average number of years added annually to life expectancy was greater than the annual changes observed for each of the years from 1984 through 1988 for each of the race-sex groups (table B). Since 1984, life expectancy increased each year for white males; for white females, it increased for 2

Table A. Expectation of life at selected ages, by race and sex: Death-registration States, 1900-1902, and United States, 1959-61, 1969-71, 1979-81, 1987, and 1988

Life table value, period, and age	Total	White		All other			
				Total		Black	
		Male	Female	Male	Female	Male	Female
Expectation of life							
At birth:							
1988-----	74.9	72.3	78.9	67.1	75.1	64.9	73.4
1987-----	75.0	72.2	78.9	67.3	75.2	65.2	73.6
1979-81-----	73.88	70.82	78.22	65.63	74.00	64.10	72.88
1969-71-----	70.75	67.94	75.49	60.98	69.05	60.00	68.32
1959-61-----	69.89	67.55	74.19	61.48	66.47	---	---
1900-1902-----	49.24	48.23	51.08	---	---	32.54	35.04
At age 1 year:							
1988-----	74.7	72.0	78.5	67.3	75.1	65.2	73.6
1987-----	74.7	71.9	78.5	67.4	75.3	65.5	73.8
1979-81-----	73.82	70.70	77.98	66.01	74.31	64.60	73.31
1969-71-----	71.19	68.33	75.66	62.13	70.01	61.24	69.37
1959-61-----	70.75	68.34	74.68	63.50	68.10	---	---
1900-1902-----	55.20	54.61	56.39	---	---	42.46	43.54
At age 20 years:							
1988-----	56.3	53.6	59.9	49.1	56.7	47.0	55.1
1987-----	56.3	53.6	59.9	49.2	56.7	47.3	55.3
1979-81-----	55.46	52.45	59.44	47.87	55.88	46.48	54.90
1969-71-----	53.00	50.22	57.24	44.37	51.85	43.49	51.22
1959-61-----	52.58	50.25	56.29	45.78	50.07	---	---
1900-1902-----	42.79	42.19	43.77	---	---	35.11	36.89
At age 65 years:							
1988-----	16.9	14.9	18.7	14.3	17.8	13.4	16.9
1987-----	16.9	14.9	18.8	14.3	17.8	13.5	17.1
1979-81-----	16.51	14.26	18.55	13.83	17.60	13.29	17.13
1969-71-----	15.00	13.02	16.93	12.87	15.99	12.53	15.67
1959-61-----	14.39	12.97	15.88	12.84	15.12	---	---
1900-1902-----	11.86	11.51	12.23	---	---	10.38	11.38

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Table B. Average annual change in life expectancy at birth in years, by race and sex: United States, 1900-1902 to 1969-71, 1969-71 to 1979-81, 1979-81 to 1984, 1984 to 1985, 1985 to 1986, 1986 to 1987, and 1987 to 1988

Period	White		Black	
	Male	Female	Male	Female
1987 to 1988	+0.1	-	-0.3	-0.2
1986 to 1987	+0.2	+0.1	-	+0.1
1985 to 1986	+0.1	+0.1	-0.1	-
1984 to 1985	+0.1	-	-0.3	-0.2
1979-81 to 1984	+0.3	+0.1	+0.4	+0.2
1969-71 to 1979-81	+0.3	+0.3	+0.4	+0.5
1900-1902 to 1969-71	+0.3	+0.4	+0.4	+0.5

Table C. Differences in life expectancy between males and females, by race; and between white and black persons, by sex: Death-registration States, 1900-1902, and United States, 1959-61, 1969-71, 1979-81, 1984, 1985, 1986, 1987, and 1988

Period	Female-Male		White-Black	
	White	Black	Male	Female
1988	6.6	8.5	7.4	5.5
1987	6.7	8.4	7.0	5.3
1986	6.8	8.3	6.8	5.3
1985	6.8	8.2	6.6	5.2
1984	6.9	8.1	6.2	5.0
1979-81	7.40	8.78	6.72	5.34
1969-71	7.55	8.32	7.94	7.17
1959-61	6.64	-	-	-
1900-1902	2.85	2.50	15.69	16.04

of the 4 years; for black females, for only 1 of the 4 years; and for black males, life expectancy decreased for 3 of the 4 years, and remained unchanged for 1 year.

Life expectancy differences between males and females widened for many years after the beginning of the century, but recently the differences have narrowed for the white population and have widened for the black population (table C). For the white population the difference between males and females increased from 2.9 years in 1900-1902 to 7.6 years in 1969-71; the difference narrowed to 6.8 years in 1985, 6.7 years in 1987, and 6.6 years in 1988. For the black population, the difference increased from 2.5 years in 1900-1902 to 8.8 in 1979-81; narrowed to 8.1 years in 1984 and has steadily increased to 8.5 years in 1988.

Life expectancy differences between the races have generally narrowed since the beginning of the century (table C), though they began widening in 1985. In 1984, white males had a life expectancy that was 6.2 years greater than that of black males, compared with a difference of 7.4 years in 1988. For women the race difference in life expectancy increased from 5.0 years in 1984 to 5.5 years in 1988 (table C).

In 1988, among the four race-sex groups, the percent surviving from birth to age 65 years for white females was 85.9; white males, 75.4; black females, 74.9; and black males, 57.9. Median age at death in 1988 for white females was 82.3 years; black females, 77.4; white males, 75.8; and black males, 68.8 (table D).

Table D. Percent surviving from birth to selected ages, and median age at death, by race and sex: Death-registration States, 1900-1902, and United States, 1959-61, 1969-71, 1979-81, 1987, and 1988

Life table value, period, and age	Total	White		All other			
				Total		Black	
		Male	Female	Male	Female	Male	Female
<b>Percent surviving from birth</b>							
To age 1 year:							
1988	99.0	99.0	99.3	98.4	98.6	98.1	98.4
1987	99.0	99.0	99.2	98.3	98.6	98.0	98.4
1979-81	98.7	98.8	99.0	97.9	98.3	97.7	98.1
1969-71	98.0	98.0	98.5	96.6	97.2	96.4	97.1
1959-61	97.4	97.4	98.0	95.3	96.2	-	-
1900-1902	87.6	86.7	88.9	-	-	74.7	78.5
To age 20 years:							
1988	98.1	98.0	98.7	97.0	97.8	96.5	97.6
1987	98.1	98.0	98.7	97.0	97.9	96.6	97.6
1979-81	97.7	97.5	98.4	96.4	97.4	96.1	97.2
1969-71	96.7	96.5	97.6	94.3	95.9	94.1	95.7
1959-61	96.1	95.9	97.1	93.1	94.7	-	-
1900-1902	77.2	76.4	79.0	-	-	56.7	59.1
To age 65 years:							
1988	79.1	75.4	85.9	62.6	77.8	57.9	74.9
1987	79.0	75.1	85.9	62.9	77.9	58.4	75.1
1979-81	77.1	72.4	84.8	58.5	75.4	55.1	73.3
1969-71	71.9	66.3	81.6	49.6	66.1	47.5	64.7
1959-61	71.1	65.8	80.7	51.4	60.8	-	-
1900-1902	40.9	39.2	43.8	-	-	19.0	22.0
<b>Median age at death:</b>							
1988	78.6	75.8	82.3	71.0	79.1	68.8	77.4
1987	78.6	75.6	82.3	71.1	79.1	68.9	77.5
1979-81	77.6	74.2	81.8	69.0	77.8	67.4	76.6
1969-71	74.9	71.5	79.5	64.8	72.8	63.8	72.2
1959-61	74.3	71.4	78.5	65.6	70.6	-	-
1900-1902	58.4	57.2	60.6	-	-	29.8	34.3

TECHNICAL APPENDIX

The geographic areas covered in life tables before 1929–31 were limited to the death-registration areas. Life tables for 1900–1902 and 1909–11 were constructed using mortality data from the 1900 death-registration States (10 States and the District of Columbia) and for 1919–21 from the 1920 death-registration States (34 States and the District of Columbia). The tables for 1929–31 through 1958 cover the conterminous United States. Decennial life table values for the 3-year period 1959–61 were derived from data that include both Alaska and Hawaii for each year (table 6-4). Data for each year shown in table 6-5 include Alaska beginning in 1959 and Hawaii beginning in 1960. However, it is not believed that the inclusion of these two States materially affects life table values.

*Revised life table values, 1961–82*—Life table values for 1961–69 and 1971–79 are based on revised intercensal estimates of the populations for those years and were constructed using the U.S. decennial life tables for 1959–61 and 1969–71, respectively, as the standard tables. Life table values for 1970–73 have also been revised using the 1969–71 decennial life tables as the standard tables. Previously published abridged life tables for 1970–73 were constructed using the 1959–61 decennial life tables as the standard tables because the 1969–71 decennial life tables were not yet available.

The 1979–81 decennial life tables were used as the standard life tables for the 1983–88 life tables as well as for revised life table values for 1980–82 shown in this section.

*New Jersey data, 1962–64*—The life tables for 1962 and 1963 for the six population groups involving race do not include data from New Jersey. This State omitted the item on race from its certificates of live birth, death, and fetal death in use at the beginning of 1962. The item was restored during the latter part of 1962. However, the certificate revision without this item was used for most of 1962 as well as for 1963. For computing vital rates, populations by age, race, and sex (excluding New Jersey) were estimated to obtain comparable denominators. Approximately 7 percent of the New Jersey death records for 1964 did not contain the race designation. When the records were being electronically processed for this State, the “race not stated” deaths were allocated to white or to black.

*Nonresidents*—Beginning in 1970 the deaths of nonresidents of the United States have been excluded from the life table statistics.

*Estimates for single calendar years*—There has been an increasing interest in data on the average length of life ( $\bar{e}_x$ ) for single calendar years prior to 1945, when the annual abridged life table series was initiated. The figures in table 6-5 for groups by race and sex for the following years were estimated to meet these needs (5).

Years	Race and Sex
1900-45	Total
1900-47	Male
1900-47	Female
1900-50	White
1900-44	White male

Years	Race and Sex
1900-44	White female
1900-50	All other
1900-44	All other male
1900-44	All other female

POPULATION BASES FOR COMPUTING LIFE TABLES

The population used for computing life table values shown in this section (furnished by the U.S. Bureau of the Census) represents the resident population of the United States. The populations used for computing the 1988 life table values are estimated as of July 1, 1988, and are based on the 1980 census levels (6). The 1980 census counts by race were modified to be consistent with Office of Management and Budget categories and historical categories for death data. For a detailed discussion of modification procedures, see U.S. Bureau of the Census (7).

Population estimates used to compute death rates for 1984–88 incorporate new estimation procedures for net migration and net undocumented immigration. Death rates for 1988 are comparable with those for 1984–87 but are not strictly comparable with those for previous years. For additional details, see the Technical Appendix in *Vital Statistics of the United States, 1984* (Vol. II, Mortality, Part A), and U.S. Bureau of the Census (8).

EXPLANATION OF THE COLUMNS OF THE LIFE TABLE

*Column 1—Age interval (x to x + n)*—The age interval shown in column 1 is the interval between the two exact ages indicated. For instance, “20–25 years” means the 5-year interval between the 20th and 25th birthdays.

*Column 2—Proportion dying ( $q_x$ )*—This column shows the proportion of the cohort who are alive at the beginning of an indicated age interval and who will die before reaching the end of that age interval. For example, for males in the age interval 20–25 years, the proportion dying is 0.0087: Of every 1,000 males alive and exactly 20 years of age at the beginning of the period, about 9 will die before reaching their 25th birthday. In other words, the  $q_x$  values represent probabilities that persons who are alive at the beginning of a specific age interval will die before reaching the beginning of the next age interval. The “proportion dying” column forms the basis of the life table. The life table is so constructed that all other columns are derived from it.

*Column 3—Number surviving ( $l_x$ )*—This column shows the number of persons, starting with a cohort of 100,000 live births, who survive to the exact age marking the beginning of each age interval. The  $l_x$  values are computed from the  $q_x$  values, which are successively applied to the remainder of the original 100,000 persons still alive at the beginning of each age interval. Thus of 100,000 male babies born alive, 98,896 will complete the first year of life and enter the second; 98,676 will

begin the sixth year; 97,758 will reach age 20 years; and 20,638 will live to age 85 years.

**Column 4—Number dying ( $d_x$ )**—This column shows the number dying in each successive age interval out of 100,000 live births. Of 100,000 males born alive, 1,104 will die in the first year of life, 220 in the succeeding 4 years, 854 in the 5-year period between exact ages 20 and 25 years, and 20,638 after reaching age 85 years. Each figure in column 4 is the difference between two successive figures in column 3.

**Columns 5 and 6—Stationary population ( $L_x$  and  $T_x$ )**—Suppose that a group of 100,000 individuals like that assumed in columns 3 and 4 is born every year and that the proportions dying in each such group in each age interval throughout the lives of the members are exactly those shown in column 2. If there were no migration and if the births were evenly distributed over the calendar year, the survivors of these births would make up what is called a stationary population—stationary because in such a population the number of persons living in any given age group would never change. When individuals left the group, either by death or by growing older and entering the next higher age group, their places would immediately be taken by persons entering from the next lower age group. Thus a census taken at any time in such a stationary community would always show the same total population and the same numerical distribution of that population among the various age groups. In such a stationary population supported by 100,000 annual births, column 3 shows the number of persons who, each year, reach the birthday that marks the beginning of the age interval indicated in column 1, and column 4 shows the number of persons who die each year in the indicated age interval.

Column 5 shows the number of persons in the stationary population in the indicated age interval. For example, the figure given for males in the age interval 20–25 years is 486,701. This means that in a stationary population of males supported by 100,000 annual births and with the proportions dying in each age group always in accordance with column 2, a census taken on any date would show 486,701 persons between exact ages 20 and 25 years.

Column 6 shows the total number of persons in the stationary population (column 5) in the indicated age interval and all subsequent age intervals. For example, in the stationary population of males referred to in the above illustration, column 6 shows that there would be at any given moment a total of 5,180,208 males who have passed their 20th birthday. The male population at all ages 0 and above (the total male population of the stationary community) would be 7,150,218.

**Column 7—Average remaining lifetime ( $e_x^e$ )**—The average remaining lifetime (also called expectation of life) at any given age is the average number of years remaining to be lived by those surviving to that age on the basis of a given set of age-specific rates of dying. To arrive at this value, it is first necessary to observe that the figures in column 5 of the life table can also be interpreted in terms of a single life table cohort without introducing the concept of the stationary population. From this point of view, each figure in column 5 represents the total time (in years) lived between two indicated birthdays by all those reaching the earlier birthday

among the survivors of a cohort of 100,000 live births. Thus the figure 486,701 for males in the age interval 20–25 years is the total number of years lived between the 20th and 25th birthdays by the 97,758 (column 3) who reached the 20th birthday out of 100,000 males born alive. The corresponding figure 5,180,208 in column 6 is the total number of years lived after attaining age 20 by the 97,758 reaching that age. This number of years divided by the number of persons (5,180,208 divided by 97,758) gives 53.0 years as the average remaining lifetime of males at age 20.

## SYMBOLS

Data not available	-----	----
Category not applicable	-----	....
Quantity zero	-----	---
Quantity more than zero but less than 0.05	-----	0.0
Quantity more than zero but less than 500 where numbers are rounded to thousands	-----	Z
Figure does not meet standards of reliability or precision	-----	*

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Table 6-1. Abridged Life Tables by Race and Sex: United States, 1988

Age interval  Period of life between two exact ages stated in years, race, and sex  (1)	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval  (2)	Number living at beginning of age interval  (3)	Number dying during age interval  (4)	In the age interval  (5)	In this and all subsequent age intervals  (6)	Average number of years of life remaining at beginning of age interval  (7)
$x$ to $x+n$	$nq_x$	$l_x$	$n d_x$	$nL_x$	$T_x$	$e_x$
<b>ALL RACES</b>						
0-1	0.0100	100,000	999	99,147	7,494,642	74.9
1-5	.0020	99,001	198	395,540	7,395,495	74.7
5-10	.0012	98,803	120	493,688	6,999,955	70.8
10-15	.0014	98,683	134	493,155	6,506,267	65.9
15-20	.0044	98,549	431	491,767	6,013,112	61.0
20-25	.0058	98,116	565	489,206	5,521,345	56.3
25-30	.0061	97,553	596	486,274	5,032,139	51.6
30-35	.0074	96,957	717	483,035	4,545,885	46.9
35-40	.0096	96,240	924	479,021	4,062,830	42.2
40-45	.0128	95,316	1,204	473,785	3,583,809	37.6
45-50	.0189	94,112	1,777	466,443	3,110,024	33.0
50-55	.0300	92,335	2,766	455,194	2,643,581	28.8
55-60	.0473	89,569	4,238	437,859	2,188,387	24.4
60-65	.0728	85,331	6,208	411,976	1,750,528	20.5
65-70	.1055	79,123	8,344	375,656	1,338,552	16.9
70-75	.1568	70,779	11,086	327,120	962,896	13.6
75-80	.2288	59,683	13,654	265,113	635,776	10.7
80-85	.3445	46,029	15,858	190,715	370,863	8.1
85 and over	1.0000	30,171	30,171	179,948	179,948	6.0
<b>MALE</b>						
0-1	.0110	100,000	1,104	99,055	7,150,218	71.5
1-5	.0022	98,896	220	395,074	7,051,163	71.2
5-10	.0014	98,676	138	493,003	6,656,089	67.5
10-15	.0017	98,538	165	492,389	6,163,086	62.5
15-20	.0062	98,373	615	490,489	5,670,697	57.6
20-25	.0087	97,758	854	486,701	5,180,208	53.0
25-30	.0089	96,904	865	482,334	4,693,507	48.4
30-35	.0107	96,039	1,024	477,665	4,211,173	43.8
35-40	.0134	95,015	1,276	472,046	3,733,508	39.3
40-45	.0170	93,739	1,592	464,990	3,261,462	34.8
45-50	.0245	92,147	2,281	455,503	2,796,472	30.3
50-55	.0385	89,886	3,457	441,337	2,340,969	26.0
55-60	.0610	86,429	5,273	419,704	1,899,632	22.0
60-65	.0941	81,156	7,639	387,669	1,479,928	18.2
65-70	.1360	73,517	9,996	343,533	1,092,259	14.9
70-75	.2022	63,521	12,842	286,233	748,726	11.8
75-80	.2931	50,679	14,852	216,396	462,493	9.1
80-85	.4239	35,827	15,189	140,288	246,097	6.9
85 and over	1.0000	20,638	20,638	105,809	105,809	5.1
<b>FEMALE</b>						
0-1	.0089	100,000	890	99,243	7,831,495	78.3
1-5	.0018	99,110	175	396,021	7,732,252	78.0
5-10	.0010	98,935	101	494,400	7,336,231	74.2
10-15	.0010	98,834	100	493,954	6,841,831	69.2
15-20	.0024	98,734	240	493,108	6,347,877	64.3
20-25	.0028	98,494	272	491,802	5,854,769	59.4
25-30	.0033	98,222	321	490,324	5,362,967	54.6
30-35	.0041	97,901	405	488,539	4,872,643	49.8
35-40	.0058	97,498	567	486,183	4,384,104	45.0
40-45	.0084	96,929	817	482,754	3,897,941	40.2
45-50	.0135	96,112	1,293	477,582	3,415,187	35.5
50-55	.0219	94,819	2,077	469,225	2,937,625	31.0
55-60	.0347	92,742	3,217	456,141	2,468,400	26.6
60-65	.0537	89,525	4,810	436,300	2,012,259	22.5
65-70	.0793	84,715	6,716	407,864	1,575,959	18.6
70-75	.1210	77,999	9,435	367,619	1,168,285	15.0
75-80	.1843	68,564	12,640	312,711	800,676	11.7
80-85	.2981	55,924	16,671	239,106	487,985	8.7
85 and over	1.0000	39,253	39,253	248,859	248,859	6.3

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Table 6-1. Abridged Life Tables by Race and Sex: United States, 1988—Con.

Age Interval  Period of life between two exact ages stated in years, race, and sex  (1)	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval  (2)	Number living at beginning of age interval  (3)	Number dying during age interval  (4)	In the age interval  (5)	In this and all subsequent age intervals  (6)	Average number of years of life remaining at beginning of age interval  (7)
$x$ to $x+n$	$nq_x$	$l_x$	$n^d_x$	$nL_x$	$T_x$	$e_x$
<b>WHITE</b>						
0-1	0.0085	100,000	854	99,272	7,563,071	75.6
1-5	.0018	99,146	179	396,165	7,463,799	75.3
5-10	.0011	98,967	109	494,539	7,067,634	71.4
10-15	.0013	98,858	126	494,050	6,573,095	66.5
15-20	.0042	98,732	417	492,711	6,079,045	61.6
20-25	.0052	98,315	512	490,311	5,586,334	56.8
25-30	.0053	97,803	520	487,701	5,096,023	52.1
30-35	.0063	97,283	611	484,921	4,608,322	47.4
35-40	.0080	96,672	776	481,532	4,123,401	42.7
40-45	.0110	95,896	1,055	477,037	3,641,889	38.0
45-50	.0168	94,841	1,594	470,532	3,164,832	33.4
50-55	.0273	93,247	2,550	460,286	2,694,300	28.9
55-60	.0445	90,697	4,038	444,006	2,234,014	24.6
60-65	.0695	86,659	6,020	419,106	1,790,008	20.7
65-70	.1023	80,639	8,249	383,518	1,370,902	17.0
70-75	.1543	72,390	11,168	335,059	987,384	13.6
75-80	.2268	61,222	13,887	272,316	652,325	10.7
80-85	.3427	47,335	16,224	196,381	380,009	8.0
85 and over	1.0000	31,111	31,111	183,628	183,628	5.9
<b>WHITE, MALE</b>						
0-1	.0095	100,000	955	99,186	7,227,803	72.3
1-5	.0020	99,045	199	395,720	7,128,617	72.0
5-10	.0013	98,846	126	493,886	6,732,897	68.1
10-15	.0016	98,720	159	493,316	6,239,011	63.2
15-20	.0060	98,561	587	491,485	5,745,695	58.3
20-25	.0079	97,974	773	487,963	5,254,210	53.6
25-30	.0078	97,201	758	484,073	4,766,247	49.0
30-35	.0091	96,443	877	480,044	4,282,174	44.4
35-40	.0112	95,566	1,074	475,283	3,802,130	39.8
40-45	.0147	94,492	1,393	469,233	3,326,847	35.2
45-50	.0217	93,089	2,020	460,850	2,857,614	30.7
50-55	.0350	91,079	3,186	447,972	2,386,764	26.3
55-60	.0575	87,893	5,058	427,585	1,948,792	22.2
60-65	.0903	82,835	7,480	396,506	1,521,207	18.4
65-70	.1324	75,355	9,974	352,848	1,124,701	14.9
70-75	.1998	65,381	13,065	295,057	771,853	11.8
75-80	.2917	52,316	15,259	223,619	476,786	9.1
80-85	.4232	37,057	15,682	145,175	253,177	6.8
85 and over	1.0000	21,375	21,375	108,002	108,002	5.1
<b>WHITE, FEMALE</b>						
0-1	.0075	100,000	747	99,363	7,890,715	78.9
1-5	.0016	99,253	158	396,632	7,791,352	78.5
5-10	.0009	99,085	92	495,228	7,394,720	74.6
10-15	.0009	99,003	91	494,822	6,899,494	69.7
15-20	.0024	98,912	239	494,000	6,404,672	64.8
20-25	.0025	98,673	246	492,755	5,910,672	59.9
25-30	.0028	98,427	272	491,466	5,417,917	55.0
30-35	.0034	98,155	334	489,978	4,926,451	50.2
35-40	.0048	97,821	470	488,011	4,436,473	45.4
40-45	.0073	97,351	712	485,110	3,948,462	40.6
45-50	.0120	96,639	1,163	480,509	3,463,352	35.8
50-55	.0200	95,476	1,906	472,928	2,982,843	31.2
55-60	.0323	93,570	3,027	460,750	2,509,915	26.8
60-65	.0507	90,543	4,594	441,931	2,049,165	22.6
65-70	.0763	85,949	6,559	414,254	1,607,234	18.7
70-75	.1182	79,390	9,385	374,756	1,182,980	15.0
75-80	.1820	70,005	12,742	319,782	818,224	11.7
80-85	.2960	57,263	16,949	245,202	498,442	8.7
85 and over	1.0000	40,314	40,314	253,240	253,240	6.3

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Table 6-1. Abridged Life Tables by Race and Sex: United States, 1988—Con.

Age interval  Period of life between two exact ages stated in years, race, and sex  (1)	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval  (2)	Number living at beginning of age interval  (3)	Number dying during age interval  (4)	In the age interval  (5)	In this and all subsequent age intervals  (6)	Average number of years of life remaining at beginning of age interval  (7)
$x$ to $x+n$	$nq_x$	$l_x$	$nd_x$	$nL_x$	$T_x$	$e_x$
<b>ALL OTHER</b>						
0-1 .....	0.0152	100,000	1,517	98,703	7,118,710	71.2
1-5 .....	.0028	98,483	273	383,282	7,020,007	71.3
5-10 .....	.0017	98,210	163	490,599	6,626,715	67.5
10-15 .....	.0017	98,047	164	489,892	6,136,116	62.8
15-20 .....	.0050	97,883	490	488,326	5,646,224	57.7
20-25 .....	.0083	97,393	812	485,050	5,157,898	53.0
25-30 .....	.0102	96,581	981	480,523	4,672,848	48.4
30-35 .....	.0134	95,600	1,278	474,915	4,182,325	43.9
35-40 .....	.0183	94,322	1,725	467,532	3,717,410	39.4
40-45 .....	.0230	92,597	2,133	457,975	3,249,878	35.1
45-50 .....	.0318	90,464	2,881	445,555	2,791,903	30.9
50-55 .....	.0462	87,583	4,045	428,311	2,346,348	26.8
55-60 .....	.0660	83,598	5,515	404,468	1,918,037	23.0
60-65 .....	.0974	78,023	7,596	371,756	1,513,589	19.4
65-70 .....	.1306	70,427	9,194	329,715	1,141,813	16.2
70-75 .....	.1783	61,233	10,919	279,385	812,098	13.3
75-80 .....	.2462	50,314	12,390	220,743	532,713	10.6
80-85 .....	.3634	37,924	13,781	154,917	311,970	8.2
85 and over .....	1.0000	24,143	24,143	157,053	157,053	6.5
<b>ALL OTHER, MALE</b>						
0-1 .....	.0164	100,000	1,635	98,591	6,714,484	67.1
1-5 .....	.0031	98,365	301	392,764	6,615,893	67.3
5-10 .....	.0019	98,064	189	489,789	6,223,129	63.5
10-15 .....	.0020	97,875	191	488,993	5,733,330	58.6
15-20 .....	.0075	97,684	733	486,815	5,244,337	53.7
20-25 .....	.0128	96,951	1,246	481,829	4,757,522	49.1
25-30 .....	.0150	95,705	1,435	475,027	4,275,693	44.7
30-35 .....	.0195	94,270	1,840	466,873	3,800,666	40.3
35-40 .....	.0266	92,430	2,460	458,280	3,333,793	36.1
40-45 .....	.0324	89,970	2,919	442,958	2,877,513	32.0
45-50 .....	.0437	87,051	3,805	428,302	2,434,555	28.0
50-55 .....	.0617	83,246	5,132	403,998	2,008,253	24.1
55-60 .....	.0856	78,114	6,685	374,423	1,604,255	20.5
60-65 .....	.1239	71,429	8,849	335,609	1,229,832	17.2
65-70 .....	.1655	62,580	10,355	287,368	894,223	14.3
70-75 .....	.2234	52,225	11,666	232,107	606,855	11.6
75-80 .....	.3042	40,559	12,338	171,663	374,748	9.2
80-85 .....	.4315	28,221	12,178	109,822	203,085	7.2
85 and over .....	1.0000	16,043	16,043	93,163	93,163	5.8
<b>ALL OTHER, FEMALE</b>						
0-1 .....	.0139	100,000	1,395	98,619	7,507,913	75.1
1-5 .....	.0025	98,605	245	393,835	7,409,094	75.1
5-10 .....	.0014	98,360	136	491,424	7,015,259	71.3
10-15 .....	.0014	98,224	136	490,814	6,523,835	66.4
15-20 .....	.0024	98,088	240	489,889	6,033,021	61.5
20-25 .....	.0040	97,848	391	488,317	5,543,132	56.7
25-30 .....	.0057	97,457	558	485,954	5,054,815	51.9
30-35 .....	.0078	96,901	753	482,719	4,588,861	47.1
35-40 .....	.0111	96,148	1,065	478,282	4,098,142	42.5
40-45 .....	.0150	95,083	1,429	472,086	3,607,880	37.9
45-50 .....	.0218	93,654	2,040	463,498	3,135,794	33.5
50-55 .....	.0332	91,614	3,042	450,872	2,672,298	29.2
55-60 .....	.0496	88,572	4,392	432,418	2,221,424	25.1
60-65 .....	.0753	84,180	6,340	405,716	1,789,008	21.3
65-70 .....	.1022	77,840	7,958	370,034	1,383,290	17.8
70-75 .....	.1444	69,884	10,090	325,044	1,013,256	14.5
75-80 .....	.2058	59,794	12,307	268,777	688,212	11.5
80-85 .....	.3223	47,487	15,306	199,434	419,435	8.8
85 and over .....	1.0000	32,161	32,161	220,001	220,001	6.8

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Table 6-1. Abridged Life Tables by Race and Sex: United States, 1988—Con.

Age interval  Period of life between two exact ages stated in years, race, and sex  (1)	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval  (2)	Number living at beginning of age interval  (3)	Number dying during age interval  (4)	In the age interval  (5)	In this and all subsequent age intervals  (6)	Average number of years of life remaining at beginning of age interval  (7)
$x$ to $x+n$	$nq_x$	$l_x$	$n^d_x$	$n^L_x$	$T_x$	$e_x$
<b>BLACK</b>						
0-1	0.0177	100,000	1,775	98,470	6,921,562	69.2
1-5	.0031	96,225	303	392,189	6,623,082	69.5
5-10	.0018	97,922	176	489,122	6,430,903	65.7
10-15	.0018	97,746	177	488,354	5,941,781	60.8
15-20	.0054	97,569	523	486,887	5,453,427	55.9
20-25	.0092	97,046	893	483,140	4,966,740	51.2
25-30	.0117	96,153	1,122	478,061	4,483,600	46.6
30-35	.0159	95,031	1,515	471,510	4,005,539	42.1
35-40	.0222	93,516	2,079	462,860	3,534,029	37.8
40-45	.0282	91,437	2,582	451,111	3,071,169	33.6
45-50	.0378	88,855	3,359	436,367	2,620,058	29.5
50-55	.0537	85,496	4,587	416,556	2,183,691	25.3
55-60	.0763	80,909	6,090	389,896	1,767,135	21.8
60-65	.1100	74,819	8,229	354,124	1,377,237	18.4
65-70	.1459	66,590	9,716	309,181	1,023,113	15.4
70-75	.1972	56,974	11,218	256,761	713,932	12.6
75-80	.2705	45,656	12,350	197,435	457,171	10.0
80-85	.3947	33,306	13,146	133,282	259,736	7.8
85 and over	1.0000	20,160	20,160	126,454	126,454	6.3
<b>BLACK, MALE</b>						
0-1	.0182	100,000	1,919	98,339	6,490,963	64.9
1-5	.0035	98,081	339	391,539	6,392,644	65.2
5-10	.0021	97,742	205	489,142	6,001,105	61.4
10-15	.0021	97,537	204	487,268	5,512,963	56.5
15-20	.0082	97,333	799	484,921	5,025,695	51.6
20-25	.0143	96,534	1,384	479,443	4,540,774	47.0
25-30	.0174	95,150	1,651	471,753	4,061,331	42.7
30-35	.0236	93,499	2,206	462,149	3,589,578	38.4
35-40	.0328	91,293	2,996	449,305	3,127,429	34.3
40-45	.0402	88,297	3,552	433,076	2,679,124	30.3
45-50	.0529	84,745	4,485	413,121	2,243,048	26.5
50-55	.0728	80,260	5,839	387,329	1,831,927	22.8
55-60	.0967	74,421	7,199	354,657	1,444,598	19.4
60-65	.1386	67,223	9,319	313,332	1,089,841	16.2
65-70	.1844	57,905	10,675	263,112	776,609	13.4
70-75	.2474	47,230	11,683	206,956	513,497	10.9
75-80	.3369	35,547	11,975	147,324	306,541	8.6
80-85	.4867	23,572	10,976	89,562	159,217	6.8
85 and over	1.0000	12,594	12,594	69,655	69,655	5.5
<b>BLACK, FEMALE</b>						
0-1	.0163	100,000	1,626	98,605	7,338,606	73.4
1-5	.0027	98,374	266	392,657	7,240,003	73.6
5-10	.0016	98,108	146	490,132	6,847,146	69.8
10-15	.0015	97,962	147	489,476	6,357,014	64.9
15-20	.0025	97,815	242	486,524	5,867,538	60.0
20-25	.0044	97,573	431	486,855	5,379,014	55.1
25-30	.0085	97,142	832	484,207	4,892,159	50.4
30-35	.0091	96,510	882	480,463	4,407,952	45.7
35-40	.0132	95,628	1,285	475,190	3,927,489	41.1
40-45	.0182	94,363	1,717	467,813	3,452,299	36.6
45-50	.0263	92,646	2,342	457,745	2,984,486	32.2
50-55	.0390	90,304	3,429	443,392	2,526,741	28.0
55-60	.0570	86,875	4,949	422,580	2,083,349	24.0
60-65	.0858	81,926	7,026	392,735	1,680,769	20.3
65-70	.1151	74,900	8,619	353,680	1,288,034	16.9
70-75	.1602	66,281	10,617	305,678	914,354	13.6
75-80	.2260	56,664	12,681	247,371	609,676	10.9
80-85	.3522	43,083	15,174	177,604	361,305	8.4
85 and over	1.0000	27,909	27,909	183,701	183,701	6.6

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Table 6-2. Number of Survivors at Single Years of Age, Out of 100,000 Born Alive, by Race and Sex: United States, 1988

Age	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,001	98,896	99,110	99,146	99,045	99,253	98,483	98,365	98,605	98,225	98,081	98,374
2	98,931	98,817	99,050	99,082	98,972	99,198	98,391	98,263	98,524	98,123	97,966	98,287
3	98,878	98,758	99,003	99,034	98,919	99,156	98,318	98,183	98,458	98,042	97,876	98,215
4	98,837	98,713	98,966	98,997	98,879	99,122	98,259	98,118	98,404	97,976	97,803	98,156
5	98,803	98,676	98,935	98,967	98,846	99,095	98,210	98,064	98,360	97,922	97,742	98,108
6	98,774	98,643	98,909	98,941	98,817	99,072	98,168	98,016	98,324	97,876	97,699	98,069
7	98,747	98,612	98,887	98,917	98,789	99,051	98,132	97,973	98,294	97,837	97,642	98,037
8	98,723	98,584	98,867	98,895	98,763	99,033	98,100	97,935	98,269	97,803	97,601	98,010
9	98,702	98,559	98,850	98,876	98,740	99,017	98,072	97,902	98,246	97,773	97,566	97,986
10	98,683	98,538	98,834	98,858	98,720	99,003	98,047	97,875	98,224	97,746	97,537	97,962
11	98,666	98,520	98,819	98,843	98,703	98,990	98,024	97,852	98,202	97,722	97,513	97,937
12	98,649	98,502	98,804	98,828	98,685	98,977	98,001	97,830	98,178	97,697	97,490	97,910
13	98,627	98,476	98,786	98,808	98,661	98,962	97,973	97,800	98,151	97,668	97,459	97,881
14	98,595	98,435	98,768	98,777	98,621	98,941	97,935	97,754	98,121	97,625	97,409	97,849
15	98,549	98,373	98,734	98,732	98,561	98,912	97,883	97,684	98,088	97,569	97,333	97,816
16	98,487	98,287	98,696	98,671	98,477	98,875	97,815	97,607	98,050	97,497	97,228	97,777
17	98,409	98,178	98,651	98,595	98,372	98,829	97,732	97,484	98,008	97,408	97,095	97,735
18	98,319	98,050	98,600	98,507	98,249	98,778	97,633	97,316	97,960	97,303	96,934	97,688
19	98,221	97,909	98,547	98,412	98,115	98,725	97,520	97,144	97,907	97,182	96,746	97,634
20	97,768	97,494	98,494	98,315	97,974	98,673	97,393	96,951	97,848	97,046	96,534	97,573
21	98,011	97,598	98,441	98,216	97,827	98,623	97,253	96,734	97,783	96,894	96,286	97,503
22	97,900	97,429	98,368	98,114	97,673	98,574	97,098	96,495	97,711	96,725	96,032	97,425
23	97,785	97,255	98,334	98,011	97,515	98,526	96,932	96,239	97,633	96,543	95,748	97,338
24	97,669	97,079	98,270	97,907	97,357	98,477	96,759	95,974	97,548	96,351	95,452	97,244
25	97,553	96,904	98,222	97,803	97,201	98,427	96,581	95,705	97,457	96,153	95,150	97,142
26	97,437	96,732	98,163	97,700	97,049	98,376	96,399	95,434	97,359	95,949	94,843	97,033
27	97,321	96,565	98,101	97,598	96,900	98,323	96,212	95,159	97,255	95,737	94,530	96,915
28	97,204	96,393	98,037	97,496	96,751	98,269	96,018	94,876	97,144	95,515	94,205	96,789
29	97,083	96,219	97,970	97,391	96,600	98,213	95,815	94,581	97,026	95,281	93,883	96,654
30	96,957	96,039	97,901	97,283	96,443	98,155	95,600	94,270	96,901	95,031	93,499	96,510
31	96,826	95,851	97,829	97,171	96,280	98,095	95,373	93,942	96,769	94,765	93,112	96,357
32	96,690	95,655	97,753	97,054	96,111	98,032	95,134	93,598	96,629	94,483	92,701	96,194
33	96,547	95,451	97,673	96,932	95,936	97,966	94,881	93,233	96,480	94,183	92,264	96,019
34	96,397	95,238	97,587	96,805	95,754	97,895	94,611	92,845	96,320	93,861	91,796	95,831
35	96,240	95,015	97,496	96,672	95,566	97,821	94,322	92,430	96,148	93,516	91,293	95,628
36	96,074	94,781	97,398	96,533	95,370	97,741	94,013	91,905	95,962	93,145	90,753	95,408
37	95,898	94,536	97,292	96,386	95,165	97,654	93,683	91,511	95,762	92,749	90,177	95,172
38	95,712	94,280	97,179	96,231	94,950	97,561	93,335	91,013	95,548	92,330	89,571	94,919
39	95,518	94,014	97,058	96,068	94,726	97,460	92,972	90,498	95,322	91,892	88,942	94,649
40	95,316	93,738	96,929	95,896	94,492	97,351	92,597	89,970	95,083	91,437	88,297	94,363
41	95,104	93,463	96,791	95,714	94,246	97,233	92,209	89,430	94,832	90,965	87,636	94,059
42	94,880	93,154	96,642	95,519	93,986	97,105	91,806	88,873	94,565	90,474	86,955	93,735
43	94,642	92,839	96,481	95,310	93,710	96,964	91,384	88,295	94,281	89,961	86,251	93,393
44	94,367	92,505	96,305	95,085	93,415	96,809	90,938	87,690	93,978	89,422	85,516	93,030
45	94,112	92,147	96,112	94,841	93,099	96,639	90,464	87,051	93,654	88,855	84,745	92,646
46	93,814	91,763	95,900	94,576	92,759	96,451	89,960	86,375	93,306	88,258	83,937	92,239
47	93,491	91,349	95,668	94,288	92,391	96,243	89,424	85,681	92,932	87,629	83,090	91,806
48	93,139	90,901	95,412	93,973	91,992	96,013	88,852	84,905	92,528	86,962	82,199	91,343
49	92,765	90,415	95,130	93,627	91,556	95,768	88,240	84,101	92,090	86,253	81,257	90,844
50	92,335	89,886	94,819	93,247	91,079	95,476	87,583	83,246	91,614	85,496	80,260	90,304
51	91,875	89,309	94,477	92,829	90,556	95,165	86,877	82,335	91,097	84,687	79,204	89,719
52	91,373	88,681	94,101	92,370	89,983	94,822	86,120	81,385	90,536	83,823	78,087	89,088
53	90,824	87,995	93,688	91,865	89,353	94,444	85,311	80,337	89,929	82,905	76,913	88,403
54	90,224	87,246	93,236	91,309	88,659	94,028	84,451	79,253	89,275	81,934	75,690	87,667
55	89,569	86,429	92,742	90,697	87,893	93,570	83,538	78,114	88,572	80,909	74,421	86,875
56	88,856	85,540	92,204	90,025	87,052	93,068	82,572	76,920	87,820	79,831	73,110	86,026
57	88,081	84,575	91,618	89,290	86,132	92,518	81,548	75,667	87,015	78,696	71,751	85,116
58	87,239	83,527	90,979	88,488	85,126	91,917	80,457	74,343	86,147	77,491	70,329	84,137
59	86,324	82,389	90,283	87,612	84,029	91,260	79,285	72,934	85,205	76,202	68,824	83,076
60	85,331	81,156	89,525	86,659	82,835	90,543	78,023	71,429	84,180	74,819	67,223	81,926
61	84,255	79,822	88,701	85,623	81,539	89,761	76,566	69,825	83,066	73,337	65,521	80,681
62	83,094	78,387	87,808	84,502	80,139	88,912	75,217	68,126	81,865	71,780	63,724	79,344
63	81,850	76,854	86,845	83,297	78,639	87,994	73,585	66,342	80,585	70,099	61,845	77,925
64	80,526	75,229	85,814	82,009	77,043	87,007	72,085	64,469	79,240	68,371	59,901	76,440
65	79,123	73,517	84,715	80,639	75,355	85,949	70,427	62,590	77,840	66,590	57,905	74,900
66	77,642	71,720	83,545	79,187	73,577	84,817	68,714	60,619	76,386	64,780	55,864	73,307
67	76,077	69,834	82,299	77,647	71,704	83,606	66,943	58,605	74,873	62,878	53,776	71,658
68	74,419	67,848	80,966	76,009	69,724	82,305	65,110	56,537	73,292	60,940	51,642	69,944
69	72,666	65,747	79,536	74,260	67,620	80,903	63,208	54,411	71,632	58,940	49,460	68,154
70	70,779	63,521	77,999	72,390	65,381	79,390	61,233	52,225	69,884	56,874	47,230	66,281
71	68,784	61,171	76,348	70,395	63,006	77,759	59,183	49,982	68,043	54,743	44,957	64,320
72	66,673	58,704	74,580	68,276	60,503	76,007	57,062	47,688	66,109	52,551	42,648	62,272
73	64,448	56,126	72,694	66,037	57,880	74,131	54,873	45,348	64,086	50,302	40,307	60,143
74	62,117	53,448	70,689	63,684	55,147	72,131	52,622	42,970	61,980	48,002	37,939	57,939
75	59,683	50,679	68,564	61,222	52,316	70,005	50,314	40,559	59,794	45,636	35,547	55,664
76	57,149	47,829	66,315	58,654	49,396	67,749	47,949	38,122	57,527	43,266	33,142	53,317
77	54,516	44,907	63,935	55,980	46,399	65,355	45,529	35,064	55,172	40,835	30,731	50,893
78	51,784	41,924	61,416	53,201	43,335	62,815	43,052	33,190	52,720	38,363	28,325	48,985
79	48,954	38,893	58,748	50,319	40,216	60,121	40,517	30,707	50,161	35,853	25,936	46,784
80	46,029	35,827	55,924	47,335	37,057	57,263	37,924	28,221	47,487	33,306	23,572	44,083
81	43,012	32,742	52,837	44,254	33,875	54,235	35,273	25,739	44,690	30,725	21,248	40,275
82	39,909	29,658	49,781	41,081	30,691	51,031	32,566	23,271	41,764	28,115	18,975	37,355
83	36,728	26,596	46,450	37,826	27,528	47,6						

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Table 6-3. Expectation of Life at Single Years of Age, by Race and Sex: United States, 1988

Age	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
0	74.9	71.5	78.3	75.6	72.3	78.9	71.2	67.1	75.1	69.2	64.9	73.4
1	74.7	71.3	78.0	75.3	72.0	78.5	71.3	67.3	75.1	69.5	65.2	73.6
2	73.8	70.4	77.1	74.3	71.0	77.5	70.3	66.3	74.2	68.5	64.3	72.7
3	72.8	69.4	76.1	73.4	70.1	76.6	69.4	65.4	73.2	67.6	63.3	71.7
4	71.8	68.4	75.1	72.4	69.1	75.8	68.4	64.4	72.3	66.6	62.4	70.8
5	70.8	67.5	74.2	71.4	68.1	74.8	67.5	63.5	71.3	65.7	61.4	69.8
6	69.9	66.5	73.2	70.4	67.1	73.6	66.5	62.5	70.3	64.7	60.4	68.8
7	68.9	65.5	72.2	69.4	66.2	72.7	65.5	61.5	69.4	63.7	59.5	67.8
8	67.9	64.5	71.2	68.5	65.2	71.7	64.5	60.5	68.4	62.8	58.5	66.9
9	66.9	63.5	70.2	67.5	64.2	70.7	63.6	59.6	67.4	61.8	57.5	65.9
10	65.9	62.5	69.2	66.5	63.2	69.7	62.6	58.6	66.4	60.8	56.5	64.9
11	64.9	61.6	68.2	65.5	62.2	68.7	61.6	57.6	65.4	59.8	55.5	63.9
12	64.0	60.6	67.2	64.5	61.2	67.7	60.6	56.6	64.4	58.8	54.5	62.9
13	63.0	59.6	66.3	63.5	60.2	66.7	59.6	55.6	63.4	57.8	53.6	61.9
14	62.0	58.6	65.3	62.5	59.3	65.7	58.7	54.6	62.5	56.9	52.6	61.0
15	61.0	57.6	64.3	61.6	58.3	64.8	57.7	53.7	61.5	55.9	51.6	60.0
16	60.1	56.7	63.3	60.6	57.3	63.8	56.7	52.7	60.5	54.9	50.7	59.0
17	59.1	55.8	62.3	59.7	56.4	62.8	55.8	51.8	59.6	54.0	49.8	58.0
18	58.2	54.8	61.4	58.7	55.5	61.8	54.8	50.9	58.6	53.0	48.8	57.1
19	57.2	53.9	60.4	57.8	54.6	60.9	53.9	50.0	57.6	52.1	47.9	56.1
20	56.3	53.0	59.4	56.8	53.6	59.9	53.0	49.1	56.7	51.2	47.0	55.1
21	55.3	52.1	58.5	55.9	52.7	58.9	52.0	48.2	55.7	50.3	46.2	54.2
22	54.4	51.2	57.5	54.9	51.8	58.0	51.1	47.3	54.7	49.3	45.3	53.2
23	53.5	50.3	56.5	54.0	50.9	57.0	50.2	46.4	53.8	48.4	44.4	52.3
24	52.5	49.3	55.6	53.0	50.0	56.0	49.3	45.5	52.8	47.5	43.5	51.3
25	51.6	48.4	54.6	52.1	49.0	55.0	48.4	44.7	51.9	46.6	42.7	50.4
26	50.6	47.5	53.6	51.2	48.1	54.1	47.5	43.8	50.9	45.7	41.8	49.4
27	49.7	46.6	52.7	50.2	47.2	53.1	46.6	42.9	50.0	44.8	41.0	48.5
28	48.8	45.7	51.7	49.3	46.3	52.1	45.7	42.1	49.1	43.9	40.1	47.5
29	47.8	44.8	50.7	48.3	45.3	51.2	44.8	41.2	48.1	43.0	39.2	46.6
30	46.9	43.8	49.8	47.4	44.4	50.2	43.9	40.3	47.1	42.1	38.4	45.7
31	45.9	42.9	48.8	46.4	43.5	49.2	43.0	39.5	46.2	41.3	37.5	44.7
32	45.0	42.0	47.8	45.5	42.6	48.3	42.1	38.6	45.3	40.4	36.7	43.8
33	44.1	41.1	46.9	44.6	41.6	47.3	41.2	37.7	44.3	39.5	35.9	42.9
34	43.1	40.2	45.9	43.6	40.7	46.3	40.3	36.9	43.4	38.6	35.1	42.0
35	42.2	39.3	45.0	42.7	39.8	45.4	39.4	36.1	42.5	37.8	34.3	41.1
36	41.3	38.4	44.0	41.7	38.9	44.4	38.5	35.2	41.6	36.9	33.5	40.2
37	40.4	37.5	43.1	40.8	37.9	43.4	37.7	34.4	40.7	36.1	32.7	39.3
38	39.4	36.6	42.1	39.8	37.0	42.5	36.8	33.6	39.8	35.3	31.9	38.4
39	38.5	35.7	41.2	38.9	36.1	41.5	36.0	32.8	38.8	34.4	31.1	37.5
40	37.6	34.8	40.2	38.0	35.2	40.6	35.1	32.0	37.9	33.6	30.3	36.6
41	36.7	33.9	39.3	37.0	34.3	39.6	34.2	31.2	37.0	32.8	29.6	35.7
42	35.8	33.0	38.3	36.1	33.4	38.7	33.4	30.4	36.1	31.9	28.8	34.8
43	34.9	32.1	37.4	35.2	32.5	37.7	32.5	29.6	35.3	31.1	28.0	33.9
44	33.9	31.2	36.5	34.3	31.6	36.8	31.7	28.8	34.4	30.3	27.2	33.1
45	33.0	30.3	35.5	33.4	30.7	35.8	30.9	28.0	33.5	29.5	26.5	32.2
46	32.1	29.5	34.6	32.5	29.8	34.9	30.0	27.2	32.6	28.7	25.7	31.4
47	31.3	28.6	33.7	31.6	28.9	34.0	29.2	26.4	31.7	27.9	25.0	30.5
48	30.4	27.7	32.8	30.7	28.0	33.1	28.4	25.6	30.9	27.1	24.3	29.7
49	29.5	26.9	31.9	29.8	27.2	32.1	27.6	24.9	30.0	26.3	23.5	28.8
50	28.6	26.0	31.0	28.9	26.3	31.2	26.8	24.1	29.2	25.5	22.8	28.0
51	27.8	25.2	30.1	28.0	25.5	30.3	26.0	23.4	28.3	24.8	22.1	27.2
52	26.9	24.4	29.2	27.2	24.6	29.5	25.2	22.7	27.5	24.0	21.4	26.3
53	26.1	23.6	28.3	26.3	23.8	28.6	24.5	21.9	26.7	23.3	20.6	25.5
54	25.3	22.8	27.5	25.5	23.0	27.7	23.7	21.2	25.9	22.6	20.1	24.8
55	24.4	22.0	26.6	24.6	22.2	26.8	23.0	20.5	25.1	21.8	19.4	24.0
56	23.6	21.2	25.8	23.8	21.4	26.0	22.2	19.8	24.3	21.1	18.8	23.2
57	22.8	20.4	24.9	23.0	20.6	25.1	21.5	19.2	23.5	20.4	18.1	22.5
58	22.0	19.7	24.1	22.2	19.8	24.3	20.8	18.5	22.7	19.7	17.5	21.7
59	21.3	19.0	23.3	21.4	19.1	23.5	20.1	17.9	22.0	19.1	16.8	21.0
60	20.5	18.2	22.5	20.7	18.4	22.6	19.4	17.2	21.3	18.4	16.2	20.3
61	19.8	17.5	21.7	19.9	17.6	21.8	18.7	16.6	20.5	17.8	15.6	19.6
62	19.0	16.8	20.9	19.2	16.9	21.0	18.1	16.0	19.8	17.1	15.0	18.9
63	18.3	16.2	20.1	18.4	16.3	20.2	17.5	15.4	19.1	16.5	14.5	18.2
64	17.6	15.5	19.4	17.7	15.6	19.5	16.8	14.9	18.4	16.0	13.9	17.6
65	16.9	14.9	18.6	17.0	14.9	18.7	16.2	14.3	17.8	15.4	13.4	16.9
66	16.2	14.2	17.9	16.3	14.3	17.9	15.6	13.7	17.1	14.8	12.9	16.3
67	15.6	13.6	17.1	15.6	13.6	17.2	15.0	13.2	16.4	14.2	12.4	15.6
68	14.9	13.0	16.4	14.9	13.0	16.5	14.4	12.7	15.8	13.6	11.9	15.0
69	14.2	12.4	15.7	14.3	12.4	15.7	13.8	12.1	15.1	13.1	11.4	14.4
70	13.6	11.8	15.0	13.6	11.8	15.0	13.3	11.6	14.5	12.6	10.9	13.8
71	13.0	11.2	14.3	13.0	11.2	14.3	12.7	11.1	13.9	12.0	10.4	13.2
72	12.4	10.7	13.6	12.4	10.7	13.7	12.2	10.6	13.3	11.5	9.9	12.6
73	11.8	10.1	13.0	11.8	10.1	13.0	11.6	10.2	12.7	11.0	9.5	12.0
74	11.2	9.6	12.3	11.2	9.6	12.3	11.1	9.7	12.1	10.5	9.0	11.5
75	10.7	9.1	11.7	10.7	9.1	11.7	10.6	9.2	11.5	10.0	8.6	10.9
76	10.1	8.6	11.1	10.1	8.6	11.1	10.1	8.8	10.9	9.5	8.2	10.4
77	9.6	8.2	10.4	9.6	8.2	10.4	9.6	8.4	10.4	9.1	7.8	9.9
78	9.0	7.7	9.9	9.0	7.7	9.8	9.1	8.0	9.9	8.6	7.4	9.4
79	8.5	7.3	9.3	8.5	7.3	9.3	8.7	7.6	9.3	8.2	7.1	8.9
80	8.1	6.9	8.7	8.0	6.8	8.7	8.2	7.2	8.8	7.8	6.8	8.4
81	7.6	6.5	8.2	7.6	6.4	8.2	7.8	6.8	8.4	7.4	6.4	7.9
82	7.1	6.1	7.7	7.1	6.0	7.7	7.4	6.5	7.9	7.1	6.2	7.5
83	6.7	5.7	7.2	6.7	5.7	7.2	7.1	6.2	7.5	6.7	5.9	7.2
84	6.3	5.4	6.7	6.3	5.4	6.7	6.8	6.0	7.1	6.5	5.7	6.8
85	6.0	5.1	6.3	5.9	5.1	6.3	6.5	5.8	6.8	6.3	5.5	6.6

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Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1988

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix]

Age, race, and sex	Number of survivors out of 100,000 born alive (%)									
	1888	1879-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
<b>ALL RACES</b>										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,001	98,740	97,998	97,407	97,024	95,290	94,028	92,515	88,538	87,552
5	98,803	98,495	97,688	96,998	96,482	94,220	91,978	83,389	83,887	81,804
10	98,653	98,347	97,460	96,765	96,177	93,710	91,106	88,129	82,458	80,052
15	98,549	98,196	97,261	96,551	95,885	93,235	90,385	87,144	81,506	78,963
20	98,118	97,741	96,716	96,111	95,366	92,435	89,089	85,441	80,074	77,239
25	97,553	97,110	96,000	95,517	94,676	91,336	87,269	83,146	78,046	74,768
30	96,957	96,477	95,307	94,905	93,919	90,078	85,302	80,642	75,779	72,043
35	96,240	95,808	94,482	94,144	92,976	88,573	83,118	77,961	73,127	69,078
40	95,316	94,926	93,322	93,064	91,648	86,650	80,557	75,114	70,042	65,890
45	94,112	93,599	91,587	91,378	89,634	84,089	77,343	72,036	66,561	62,436
50	92,335	91,526	88,972	88,756	86,591	80,487	73,321	68,429	62,460	58,514
55	89,589	88,348	85,110	84,711	82,176	75,557	68,182	63,947	57,555	53,852
60	85,331	83,726	79,529	79,067	75,921	68,924	61,563	58,079	51,138	47,946
65	79,123	77,107	71,939	71,147	67,555	60,366	53,195	50,560	43,194	40,911
70	70,779	68,248	61,984	60,857	56,987	49,655	42,768	41,090	33,816	32,390
75	59,683	56,799	49,705	48,170	43,903	36,735	30,789	29,729	23,552	22,960
80	46,029	43,180	35,285	33,576	29,313	22,883	18,580	18,298	13,712	13,529
85	30,171	27,960	20,908	18,542	15,785	11,073	8,542	8,683	6,001	6,053
<b>MALE</b>										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,896	98,607	97,755	97,087	96,661	94,762	93,440	91,745	87,505	86,426
5	98,676	98,333	97,395	96,643	96,077	93,624	91,294	88,505	82,718	80,548
10	98,538	98,160	97,151	96,375	95,726	93,054	90,346	87,184	81,249	78,775
15	98,373	97,972	96,904	96,107	95,366	92,508	89,561	86,158	80,261	77,681
20	97,758	97,316	96,126	95,491	94,695	91,617	88,220	84,440	78,792	75,984
25	96,904	96,361	95,040	94,631	93,791	90,385	86,359	82,252	76,675	73,472
30	96,039	95,430	94,072	93,826	92,861	89,009	84,346	79,890	74,378	70,747
35	95,015	94,501	92,997	92,889	91,760	87,371	82,075	77,514	71,614	67,752
40	93,739	93,345	91,541	91,572	90,207	85,246	79,357	74,432	68,297	64,447
45	92,147	91,649	89,369	89,492	87,819	82,336	75,882	71,244	64,518	60,849
50	89,886	89,007	86,070	86,199	84,158	78,254	71,518	67,553	60,118	56,736
55	86,429	84,936	81,139	81,039	78,781	72,627	65,981	62,965	54,970	51,939
60	81,156	79,012	73,958	73,887	71,246	65,142	58,909	56,917	48,343	45,895
65	73,517	70,646	64,318	64,177	61,586	55,776	50,154	49,218	40,264	38,736
70	63,521	59,681	52,296	52,244	49,950	44,588	39,516	39,668	31,023	30,217
75	50,679	46,272	38,797	38,950	36,756	31,864	27,718	28,316	21,213	20,076
80	35,827	31,810	24,921	25,300	25,237	18,995	16,172	17,128	11,942	12,084
85	20,638	18,020	13,168	12,845	11,750	8,693	7,107	7,920	5,059	5,179
<b>FEMALE</b>										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,110	98,880	98,254	97,744	97,406	95,848	94,728	93,383	89,623	88,733
5	98,935	98,666	97,955	97,371	96,908	94,848	92,789	90,380	85,117	83,119
10	98,834	98,544	97,784	97,173	96,652	94,402	92,008	89,186	83,728	81,390
15	98,734	98,432	97,636	97,016	96,431	94,000	91,364	88,247	82,813	80,307
20	98,494	98,184	97,331	96,756	96,066	93,293	90,116	86,556	81,418	78,555
25	98,222	97,883	96,966	96,418	95,583	92,322	88,328	84,135	79,481	76,119
30	97,901	97,551	96,544	95,996	94,933	91,182	86,398	81,463	77,247	73,394
35	97,496	97,140	95,966	95,409	94,206	89,810	84,304	78,713	74,719	70,463
40	96,929	96,531	95,097	94,560	93,101	88,092	81,927	75,907	71,894	67,407
45	96,112	95,570	93,793	93,265	91,469	85,856	79,041	72,954	68,755	64,121
50	94,819	94,060	91,852	91,327	89,075	82,828	75,456	69,452	65,001	60,415
55	92,742	91,760	89,066	88,451	85,694	78,708	70,832	65,099	60,392	55,908
60	89,525	88,414	85,139	84,430	80,890	73,093	64,795	59,438	54,228	50,155
65	84,715	83,520	79,698	78,482	74,119	65,523	58,924	52,126	46,438	43,246
70	77,999	76,720	71,955	70,100	64,873	55,449	48,774	42,741	36,916	34,721
75	68,584	67,186	61,107	58,394	52,111	42,425	34,600	31,344	26,155	24,994
80	55,924	54,372	46,445	43,063	36,486	27,524	21,578	19,613	15,682	15,129
85	39,253	37,772	29,538	25,269	20,668	13,972	10,322	9,515	7,051	7,063
<b>WHITE</b>										
0	100,000	100,000	100,000	100,000	100,000	100,000	---	---	---	---
1	99,146	98,898	98,224	97,714	97,278	95,685	---	---	---	---
5	98,967	98,675	97,930	97,353	96,790	94,713	---	---	---	---
10	98,858	98,536	97,733	97,131	96,502	94,228	---	---	---	---
15	98,732	98,391	97,546	96,928	96,228	93,792	---	---	---	---
20	98,315	97,939	97,036	96,508	95,763	93,117	---	---	---	---
25	97,803	97,340	96,406	95,965	95,169	92,213	---	---	---	---
30	97,283	96,774	95,824	95,440	94,536	91,185	---	---	---	---
35	96,672	96,192	95,152	94,788	93,750	89,941	---	---	---	---
40	95,896	95,427	94,190	93,870	92,616	88,318	---	---	---	---
45	94,841	94,257	92,681	92,374	90,847	86,069	---	---	---	---
50	93,247	92,384	90,306	89,958	88,110	82,833	---	---	---	---
55	90,697	89,427	86,688	86,173	84,027	78,218	---	---	---	---
60	86,659	85,031	81,323	80,811	78,066	71,785	---	---	---	---
65	80,639	78,585	73,889	73,102	69,850	63,201	---	---	---	---
70	72,390	69,801	63,991	62,834	59,189	52,165	---	---	---	---
75	61,222	58,299	51,586	49,895	45,688	38,610	---	---	---	---
80	47,335	44,409	36,659	34,687	30,438	23,978	---	---	---	---
85	31,111	28,768	21,578	19,017	16,289	11,483	---	---	---	---

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Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1988—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix.]

Age, race, and sex	Average number of years of life remaining (e <sub>x</sub> )									
	1988	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
<b>ALL RACES</b>										
0	74.9	73.88	70.75	69.89	68.07	63.62	59.20	56.40	51.49	49.24
1	74.7	73.82	71.19	70.75	69.16	65.76	61.94	59.94	57.11	55.20
5	70.8	70.00	67.43	67.04	65.54	62.49	59.29	57.99	56.21	54.98
10	65.9	65.10	62.57	62.19	60.74	57.82	54.84	53.79	52.15	51.14
15	61.0	60.19	57.69	57.33	55.91	53.10	50.25	49.37	47.73	46.81
20	56.3	55.46	53.00	52.58	51.20	48.54	45.84	45.30	43.53	42.79
25	51.6	50.81	48.37	47.89	46.56	44.09	41.85	41.47	39.60	39.12
30	46.9	46.12	43.71	43.18	41.91	39.67	37.75	37.68	35.70	35.51
35	42.2	41.43	39.07	38.51	37.31	35.30	33.68	33.89	31.90	31.92
40	37.6	36.79	34.52	33.92	32.81	31.03	29.67	30.08	28.20	28.34
45	33.0	32.27	30.12	29.50	28.49	26.90	25.79	26.25	24.54	24.77
50	28.6	27.94	25.93	25.29	24.40	22.98	22.06	22.50	20.98	21.26
55	24.4	23.85	21.99	21.37	20.57	19.31	18.53	18.90	17.55	17.88
60	20.5	20.02	18.34	17.71	17.04	15.91	15.24	15.54	14.42	14.76
65	16.9	16.51	15.00	14.39	13.83	12.80	12.23	12.47	11.60	11.86
70	13.6	13.32	12.00	11.38	10.92	10.00	9.58	9.74	9.11	9.30
75	10.7	10.48	9.32	8.71	8.40	7.62	7.32	7.49	6.99	7.08
80	8.1	7.98	7.10	6.39	6.34	5.73	5.50	5.63	5.25	5.30
85	6.0	5.96	5.28	4.58	4.69	4.31	4.19	4.21	4.00	3.96
<b>MALE</b>										
0	71.5	70.11	67.04	66.80	65.47	61.60	57.71	55.50	49.86	47.88
1	71.3	70.10	67.58	67.80	66.73	64.00	60.75	59.47	55.95	54.35
5	67.5	66.29	63.82	64.10	63.12	60.76	58.14	57.80	55.11	54.22
10	62.5	61.41	58.98	59.27	58.35	56.12	53.75	53.44	51.07	50.39
15	57.6	56.52	54.12	54.43	53.56	51.43	49.18	49.05	46.66	46.06
20	53.0	51.88	49.54	49.77	48.92	46.91	44.88	44.99	42.48	42.03
25	48.4	47.37	45.07	45.19	44.36	42.51	40.79	41.11	38.59	38.38
30	43.8	42.81	40.51	40.56	39.78	38.13	36.71	37.26	34.70	34.76
35	39.3	38.20	35.95	35.94	35.23	33.79	32.65	33.43	30.94	31.19
40	34.8	33.64	31.48	31.42	30.79	29.57	28.68	29.63	27.32	27.65
45	30.3	29.22	27.18	27.09	26.52	25.52	24.87	25.84	23.77	24.14
50	26.0	25.00	23.12	23.02	22.59	21.72	21.25	22.11	20.32	20.70
55	22.0	21.08	19.36	19.32	18.96	18.20	17.79	18.53	16.98	17.38
60	18.2	17.46	15.99	15.94	15.68	14.99	14.62	15.22	13.95	14.33
65	14.9	14.21	12.99	12.95	12.74	12.07	11.72	12.20	11.24	11.50
70	11.8	11.35	10.39	10.33	10.11	9.46	9.18	9.52	8.83	9.02
75	9.1	8.90	8.13	7.99	7.83	7.22	7.02	7.31	6.75	6.84
80	6.9	6.80	6.27	5.95	5.94	5.44	5.27	5.49	5.10	5.11
85	5.1	5.13	4.73	4.39	4.41	4.11	4.02	4.10	3.90	3.82
<b>FEMALE</b>										
0	78.3	77.62	74.64	73.24	70.96	65.89	60.90	57.40	53.24	50.70
1	78.0	77.50	74.97	73.93	71.84	67.73	63.37	60.45	58.37	56.10
5	74.2	73.67	71.19	70.21	68.21	64.43	60.66	58.41	57.39	55.80
10	69.2	68.75	66.31	65.35	63.38	59.73	56.16	54.16	53.31	51.94
15	64.3	63.83	61.41	60.45	58.52	54.97	51.54	49.71	48.87	47.60
20	59.4	58.98	56.59	55.60	53.73	50.37	47.21	45.63	44.66	43.60
25	54.6	54.16	51.80	50.79	48.99	45.87	43.11	41.86	40.69	39.92
30	49.8	49.33	47.01	46.00	44.28	41.41	39.02	38.15	36.79	36.30
35	45.0	44.53	42.28	41.27	39.63	37.01	34.92	34.40	32.95	32.71
40	40.2	39.80	37.64	36.61	35.06	32.68	30.86	30.58	29.15	29.08
45	35.5	35.17	33.13	32.09	30.64	28.46	26.89	26.71	25.36	25.44
50	31.0	30.69	28.77	27.71	26.40	24.40	23.05	22.92	21.67	21.84
55	26.6	26.39	24.59	23.53	22.33	20.54	19.38	19.28	18.13	18.39
60	22.5	22.29	20.60	19.52	18.50	16.92	15.94	15.87	14.90	15.21
65	18.6	18.44	16.83	15.80	14.95	13.67	12.78	12.73	11.96	12.22
70	15.0	14.84	13.35	12.37	11.71	10.56	9.99	9.96	9.38	9.59
75	11.7	11.58	10.26	9.33	8.94	8.01	7.61	7.65	7.20	7.34
80	8.7	8.69	7.68	6.72	6.67	5.99	5.70	5.75	5.37	5.51
85	6.3	6.38	5.63	4.71	4.90	4.47	4.32	4.30	4.08	4.12
<b>WHITE</b>										
0	75.6	74.53	71.62	70.73	69.02	64.92	60.40	57.40	53.24	50.70
1	75.3	74.35	71.91	71.38	69.95	66.84	62.40	59.40	55.24	52.70
5	71.4	70.52	68.12	67.64	66.29	63.52	59.20	56.20	52.04	49.50
10	66.5	65.82	63.26	62.79	61.48	58.83	54.60	51.60	47.44	44.90
15	61.6	60.71	58.37	57.92	56.65	54.09	50.00	47.00	42.84	40.30
20	56.8	55.98	53.66	53.16	51.91	49.47	45.60	42.60	38.44	35.90
25	52.1	51.30	49.00	48.44	47.22	44.92	41.20	38.20	34.04	31.50
30	47.4	46.59	44.28	43.69	42.52	40.40	36.80	33.80	29.64	27.10
35	42.7	41.86	39.58	38.97	37.86	35.93	32.40	29.40	25.24	22.70
40	38.0	37.17	34.95	34.33	33.29	31.54	28.00	25.00	20.84	18.30
45	33.4	32.60	30.48	29.84	28.88	27.29	23.80	20.80	16.64	14.10
50	28.9	28.21	26.21	25.57	24.70	23.26	19.80	16.80	12.64	10.10
55	24.6	24.05	22.19	21.58	20.77	19.47	16.00	13.00	8.84	6.30
60	20.7	20.16	18.48	17.84	17.15	15.98	12.60	9.60	5.44	2.90
65	17.0	16.59	15.08	14.44	13.86	12.80	9.40	6.40	2.24	-0.30
70	13.6	13.35	12.01	11.37	10.89	9.96	6.60	3.60	-0.16	-2.80
75	10.7	10.47	9.27	8.65	8.34	7.55	4.20	1.20	-3.44	-6.00
80	8.0	7.95	7.01	6.33	6.27	5.64	2.30	-0.70	-4.00	-6.60
85	5.9	5.90	5.19	4.53	4.62	4.20	0.90	-2.10	-4.70	-7.30



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Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1988—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix.]

Age, race, and sex	Number of survivors out of 100,000 born alive (l <sub>x</sub> )									
	1988	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
<b>WHITE, MALE</b>										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,045	98,769	97,994	97,408	96,931	95,188	93,768	91,975	87,674	86,655
5	98,846	98,519	97,671	97,015	96,403	94,150	91,736	88,842	82,972	80,664
10	98,720	98,357	97,441	96,758	96,069	93,601	90,810	87,530	81,519	79,109
15	98,581	98,176	97,208	96,503	95,728	93,089	90,074	86,546	80,549	78,037
20	97,974	97,525	96,480	95,908	95,104	92,293	88,904	84,997	78,116	76,378
25	97,201	96,616	95,524	95,106	94,294	91,241	87,371	83,061	77,047	73,907
30	96,443	95,783	94,716	94,401	93,489	90,092	85,707	80,888	74,810	71,219
35	95,566	94,900	93,843	93,589	92,543	88,713	83,812	78,441	72,108	68,245
40	94,492	93,984	92,831	92,427	91,173	86,880	81,457	75,733	68,848	64,954
45	93,099	92,494	90,725	90,533	89,002	84,285	78,345	72,696	65,115	61,368
50	91,079	90,105	87,690	87,424	85,601	80,521	74,288	68,107	60,741	57,274
55	87,893	86,303	83,001	82,463	80,496	75,156	68,981	64,574	55,822	52,491
60	82,835	80,625	75,969	75,485	73,172	67,787	61,933	58,498	49,987	46,452
65	75,355	72,393	66,343	65,834	63,541	58,305	52,964	50,883	40,882	39,245
70	65,381	61,384	54,138	53,825	51,735	46,739	41,880	40,873	31,527	30,640
75	52,316	47,712	40,324	40,207	38,104	33,404	29,471	29,205	21,585	21,387
80	37,057	32,788	25,885	25,993	24,005	19,860	17,221	17,655	12,180	12,288
85	21,375	18,538	13,527	13,065	12,015	9,013	7,572	8,154	5,145	5,252
<b>WHITE, FEMALE</b>										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,253	99,035	98,468	98,036	97,645	96,211	95,037	93,608	89,774	88,839
5	99,095	98,841	98,203	97,709	97,199	95,309	93,216	90,721	85,349	83,428
10	99,003	98,725	98,042	97,525	96,960	94,890	92,466	89,584	83,973	81,723
15	98,912	98,618	97,902	97,375	96,756	94,534	91,894	88,712	83,093	80,680
20	98,673	98,374	97,618	97,135	96,454	93,984	90,939	87,281	81,750	78,978
25	98,427	98,093	97,299	96,844	96,072	93,228	89,524	85,163	79,865	76,588
30	98,155	97,802	96,945	96,499	95,605	92,320	87,972	82,740	77,676	73,887
35	97,821	97,445	96,474	96,026	94,977	91,211	86,248	80,206	75,200	70,971
40	97,351	96,913	95,762	95,326	94,080	89,805	84,256	77,624	72,425	67,835
45	96,639	96,065	94,649	94,228	92,725	87,920	81,780	74,871	69,341	64,677
50	95,476	94,710	92,924	92,522	90,685	85,267	78,572	71,547	65,629	61,005
55	93,570	92,594	90,383	89,967	87,699	81,520	74,321	67,323	61,053	56,509
60	90,543	89,451	86,726	86,339	83,279	76,200	68,462	61,704	54,900	50,752
65	85,949	84,764	81,579	80,739	76,773	68,701	60,499	54,299	47,086	43,006
70	79,390	78,139	74,101	72,507	67,545	58,363	49,932	44,638	37,482	35,206
75	70,005	68,712	63,290	60,461	54,397	44,685	37,024	32,777	26,569	25,362
80	57,263	55,770	48,182	44,676	38,026	28,882	23,053	20,492	15,929	15,349
85	40,314	38,774	30,490	26,048	21,348	14,487	10,937	9,909	7,152	7,149
<b>ALL OTHER</b>										
0	100,000	100,000	100,000	100,000	100,000	---	---	---	---	---
1	98,489	98,097	96,909	95,732	95,407	---	---	---	---	---
5	98,210	97,756	96,400	95,051	94,482	---	---	---	---	---
10	98,047	97,568	96,126	94,745	94,060	---	---	---	---	---
15	97,883	97,387	95,864	94,460	93,646	---	---	---	---	---
20	97,393	96,913	95,101	93,880	92,738	---	---	---	---	---
25	96,581	96,107	93,792	92,925	91,321	---	---	---	---	---
30	95,600	95,088	92,309	91,699	89,584	---	---	---	---	---
35	94,322	93,870	90,470	90,046	87,402	---	---	---	---	---
40	92,597	92,245	87,964	87,766	84,478	---	---	---	---	---
45	90,464	89,828	84,575	84,501	80,507	---	---	---	---	---
50	87,583	86,525	80,046	80,172	74,976	---	---	---	---	---
55	83,538	81,732	74,150	73,893	67,660	---	---	---	---	---
60	78,023	75,300	66,775	65,795	58,593	---	---	---	---	---
65	70,427	67,179	57,797	56,038	48,649	---	---	---	---	---
70	61,233	57,635	47,542	45,434	38,616	---	---	---	---	---
75	50,314	46,362	35,987	34,531	28,968	---	---	---	---	---
80	37,924	34,558	25,215	24,815	20,003	---	---	---	---	---
85	24,143	22,279	16,299	15,337	12,433	---	---	---	---	---
<b>ALL OTHER, MALE</b>										
0	100,000	100,000	100,000	100,000	100,000	---	---	---	---	---
1	98,365	97,939	96,592	95,301	94,911	---	---	---	---	---
5	98,064	97,559	96,038	94,570	93,921	---	---	---	---	---
10	97,875	97,337	95,716	94,234	93,453	---	---	---	---	---
15	97,684	97,113	95,385	93,874	92,965	---	---	---	---	---
20	96,951	96,431	94,293	93,108	91,941	---	---	---	---	---
25	95,705	95,200	92,267	91,825	90,285	---	---	---	---	---
30	94,270	93,666	90,106	90,270	88,327	---	---	---	---	---
35	92,430	91,891	87,597	88,331	85,940	---	---	---	---	---
40	89,970	89,645	84,378	85,744	82,832	---	---	---	---	---
45	87,051	86,578	80,163	82,075	78,686	---	---	---	---	---
50	83,246	82,153	74,748	77,239	72,891	---	---	---	---	---
55	78,114	76,019	67,808	70,351	65,122	---	---	---	---	---
60	71,429	68,093	59,396	61,669	55,535	---	---	---	---	---
65	62,580	58,517	49,607	51,392	45,198	---	---	---	---	---
70	52,225	47,796	39,025	39,914	35,018	---	---	---	---	---
75	40,559	36,191	27,789	29,064	25,472	---	---	---	---	---
80	28,221	24,969	17,989	19,894	16,904	---	---	---	---	---
85	16,049	14,454	10,811	11,620	9,898	---	---	---	---	---

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Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1988—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1800-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix.]

Age, race, and sex	Average number of years of life remaining (e <sub>x</sub> )									
	1988	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
<b>WHITE, MALE</b>										
0	72.3	70.82	67.94	67.55	66.31	62.81	59.12	56.34	50.23	48.23
1	72.0	70.70	68.33	68.33	67.41	64.98	62.04	60.24	56.26	54.61
5	68.1	66.87	64.55	64.61	63.77	61.68	59.38	58.31	55.37	54.43
10	63.2	61.88	59.69	59.78	58.98	57.03	54.96	54.15	51.32	50.59
15	58.3	57.09	54.83	54.93	54.18	52.33	50.39	49.74	46.91	46.25
20	53.6	52.45	50.22	50.25	49.52	47.76	46.02	45.60	42.71	42.19
25	49.0	47.92	45.70	45.65	44.93	43.28	41.78	41.60	38.79	38.52
30	44.4	43.31	41.07	40.97	40.29	38.80	37.54	37.65	34.87	34.88
35	39.8	38.65	36.43	36.31	35.68	34.36	33.33	33.74	31.08	31.29
40	35.2	34.04	31.87	31.73	31.17	30.03	29.22	29.86	27.43	27.74
45	30.7	29.55	27.48	27.34	26.87	25.87	25.28	26.00	23.86	24.21
50	26.3	25.28	23.34	23.22	22.83	21.96	21.51	22.22	20.39	20.76
55	22.2	21.25	19.51	19.45	19.11	18.34	17.97	18.59	17.03	17.42
60	18.4	17.56	16.07	16.01	15.76	15.05	14.72	15.25	13.98	14.35
65	14.9	14.26	13.02	12.97	12.75	12.07	11.77	12.21	11.25	11.51
70	11.8	11.35	10.38	10.29	10.07	9.42	9.20	9.51	8.83	9.03
75	9.1	8.87	8.06	7.92	7.77	7.02	7.02	7.30	6.75	6.84
80	6.8	6.76	6.18	5.89	5.88	5.38	5.26	5.47	5.09	5.10
85	5.1	5.09	4.63	4.34	4.35	4.02	3.99	4.06	3.88	3.81
<b>WHITE, FEMALE</b>										
0	78.9	78.22	75.49	74.19	72.03	67.29	62.67	58.53	53.62	51.08
1	78.5	77.98	75.66	74.68	72.77	68.93	64.93	61.51	58.69	56.39
5	74.6	74.13	71.86	70.92	69.09	65.57	62.17	59.43	57.67	56.03
10	69.7	69.21	66.97	66.05	64.26	60.85	57.65	55.17	53.57	52.15
15	64.8	64.29	62.07	61.15	59.39	56.07	53.00	50.67	49.12	47.79
20	59.9	59.44	57.24	56.29	54.56	51.38	48.52	46.46	44.88	43.77
25	55.0	54.60	52.42	51.45	49.77	46.78	44.26	42.55	40.88	40.05
30	50.2	49.76	47.60	46.63	45.00	42.21	39.99	38.72	36.96	36.42
35	45.4	44.93	42.82	41.84	40.28	37.70	35.73	34.86	33.09	32.82
40	40.6	40.16	38.12	37.13	35.64	33.25	31.52	30.94	29.26	29.17
45	35.8	35.49	33.54	32.53	31.12	28.90	27.39	26.98	25.45	25.51
50	31.2	30.86	29.11	28.08	26.76	24.72	23.41	23.12	21.74	21.89
55	26.8	26.61	24.85	23.81	22.58	20.73	19.60	19.40	18.18	18.43
60	22.6	22.45	20.79	19.69	18.64	17.00	16.05	15.93	14.92	15.23
65	18.7	18.55	16.93	15.88	15.00	13.58	12.81	12.75	11.97	12.23
70	15.0	14.89	13.37	12.38	11.68	10.50	9.98	9.94	9.38	9.69
75	11.7	11.58	10.21	9.28	8.87	7.92	7.58	7.62	7.20	7.33
80	8.7	8.65	7.59	6.67	6.59	5.88	5.63	5.70	5.35	5.50
85	6.3	6.32	5.54	4.66	4.83	4.34	4.24	4.24	4.06	4.10
<b>ALL OTHER</b>										
0	71.2	69.84	64.95	63.91	60.73	---	---	---	---	---
1	71.3	70.19	66.02	65.75	62.65	---	---	---	---	---
5	67.5	66.43	62.36	62.21	59.25	---	---	---	---	---
10	62.6	61.66	57.63	57.41	54.50	---	---	---	---	---
15	57.7	56.67	52.68	52.57	49.73	---	---	---	---	---
20	53.0	51.93	48.08	47.89	45.19	---	---	---	---	---
25	48.4	47.34	43.71	43.35	40.65	---	---	---	---	---
30	43.9	42.82	39.37	38.89	36.59	---	---	---	---	---
35	39.4	38.34	35.12	34.56	32.44	---	---	---	---	---
40	35.1	33.97	31.05	30.39	28.48	---	---	---	---	---
45	30.9	29.78	27.19	26.46	24.75	---	---	---	---	---
50	26.8	25.85	23.58	22.74	21.38	---	---	---	---	---
55	23.0	22.21	20.24	19.45	18.41	---	---	---	---	---
60	19.4	18.88	17.19	16.53	15.87	---	---	---	---	---
65	16.2	15.86	14.47	13.96	13.59	---	---	---	---	---
70	13.3	13.06	12.04	11.63	11.48	---	---	---	---	---
75	10.6	10.61	10.09	9.52	9.48	---	---	---	---	---
80	8.2	8.38	8.36	7.28	7.62	---	---	---	---	---
85	6.5	6.63	6.62	5.27	5.79	---	---	---	---	---
<b>ALL OTHER, MALE</b>										
0	67.1	65.63	60.98	61.48	58.91	52.33	---	---	---	---
1	67.3	66.01	62.13	63.50	61.06	56.05	---	---	---	---
5	63.5	62.26	58.48	59.98	57.69	53.13	---	---	---	---
10	58.6	57.40	53.67	55.19	52.96	48.54	---	---	---	---
15	53.7	52.52	48.84	50.39	48.28	43.95	---	---	---	---
20	49.1	47.87	44.37	45.78	43.73	39.74	---	---	---	---
25	44.7	43.46	40.29	41.36	39.49	35.94	---	---	---	---
30	40.3	39.13	36.20	37.05	35.31	32.25	---	---	---	---
35	36.1	34.83	32.16	32.81	31.21	28.67	---	---	---	---
40	32.0	30.64	28.29	28.72	27.29	25.23	---	---	---	---
45	28.0	26.63	24.64	24.89	23.59	22.02	---	---	---	---
50	24.1	22.92	21.24	21.26	20.25	19.16	---	---	---	---
55	20.5	19.56	18.14	18.11	17.36	16.67	---	---	---	---
60	17.2	16.54	15.35	15.29	14.91	14.38	---	---	---	---
65	14.3	13.93	12.87	12.84	12.75	12.18	---	---	---	---
70	11.6	11.36	10.66	10.81	10.74	10.06	---	---	---	---
75	9.2	9.20	8.99	8.93	8.83	8.09	---	---	---	---
80	7.2	7.22	7.57	6.87	7.07	6.46	---	---	---	---
85	5.8	5.69	6.04	5.08	5.38	5.08	---	---	---	---

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Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1988—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix.]

Age, race, and sex	Number of survivors out of 100,000 born alive (U)									
	1988	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
<b>ALL OTHER, FEMALE</b>										
0	100,000	100,000	100,000	100,000	100,000	100,000	---	---	---	---
1	98,605	98,261	97,235	96,172	95,913	95,913	---	---	---	---
5	98,360	97,958	96,772	95,543	95,055	91,710	---	---	---	---
10	98,224	97,806	96,546	95,285	94,679	91,092	---	---	---	---
15	98,088	97,669	96,353	95,057	94,343	90,363	---	---	---	---
20	97,848	97,404	95,917	94,660	93,544	88,505	---	---	---	---
25	97,457	96,996	95,247	94,005	92,336	85,961	---	---	---	---
30	96,901	96,441	94,370	93,070	90,799	83,147	---	---	---	---
35	96,148	95,719	93,123	91,670	88,805	79,679	---	---	---	---
40	95,083	94,646	91,247	89,676	86,052	75,908	---	---	---	---
45	93,654	93,009	88,608	86,793	82,257	71,061	---	---	---	---
50	91,614	90,523	84,964	82,979	77,007	64,886	---	---	---	---
55	88,572	86,951	80,162	77,362	70,196	57,419	---	---	---	---
60	84,180	82,000	73,984	69,941	61,758	49,102	---	---	---	---
65	77,840	75,382	66,064	60,825	52,358	40,718	---	---	---	---
70	69,884	67,147	56,375	51,274	42,612	32,579	---	---	---	---
75	59,794	56,499	44,841	40,540	32,981	24,668	---	---	---	---
80	47,487	44,378	33,373	30,315	23,712	17,157	---	---	---	---
85	32,181	30,543	22,763	19,744	15,550	10,658	---	---	---	---
<b>BLACK</b>										
0	100,000	100,000	100,000	---	---	100,000	---	---	---	---
1	98,225	97,885	96,731	---	---	92,584	---	---	---	---
5	97,922	97,522	96,207	---	---	90,983	---	---	---	---
10	97,746	97,322	95,928	---	---	90,339	---	---	---	---
15	97,569	97,134	95,661	---	---	89,591	---	---	---	---
20	97,046	96,652	94,887	---	---	87,839	---	---	---	---
25	96,153	95,804	93,513	---	---	85,210	---	---	---	---
30	95,031	94,680	91,934	---	---	82,194	---	---	---	---
35	93,516	93,288	89,977	---	---	78,683	---	---	---	---
40	91,437	91,439	87,304	---	---	74,466	---	---	---	---
45	88,855	88,834	83,700	---	---	69,284	---	---	---	---
50	85,496	85,044	78,938	---	---	62,702	---	---	---	---
55	80,909	79,816	72,826	---	---	54,846	---	---	---	---
60	74,819	72,913	65,250	---	---	46,318	---	---	---	---
65	66,580	64,391	56,102	---	---	37,838	---	---	---	---
70	56,874	54,617	45,785	---	---	29,654	---	---	---	---
75	45,656	43,274	34,262	---	---	21,798	---	---	---	---
80	33,306	31,711	23,710	---	---	14,408	---	---	---	---
85	20,160	19,939	15,044	---	---	8,326	---	---	---	---
<b>BLACK, MALE</b>										
0	100,000	100,000	100,000	---	---	100,000	100,000	100,000	100,000	100,000
1	98,081	97,703	96,394	---	---	91,772	91,268	89,499	78,065	74,674
5	97,742	97,300	95,826	---	---	90,082	88,412	85,195	68,589	64,385
10	97,537	97,061	95,497	---	---	89,383	87,311	83,768	66,377	61,730
15	97,333	96,826	95,161	---	---	88,610	86,152	82,332	64,478	59,667
20	96,534	96,132	94,053	---	---	86,968	83,621	79,057	61,426	56,733
25	95,150	94,827	91,904	---	---	84,227	79,516	74,540	57,736	53,285
30	93,499	93,125	89,584	---	---	80,979	75,083	70,344	54,073	49,667
35	91,293	91,080	86,885	---	---	77,221	70,049	65,873	49,665	46,541
40	88,297	88,490	83,441	---	---	72,780	64,710	61,353	45,414	42,989
45	84,745	84,997	78,976	---	---	67,346	58,432	56,589	40,563	39,230
50	80,260	80,065	73,282	---	---	60,495	51,748	51,880	35,427	34,766
55	74,421	73,413	66,101	---	---	52,426	44,436	46,581	29,754	29,987
60	67,223	64,980	57,457	---	---	43,833	36,790	40,506	23,750	24,194
65	57,905	55,061	47,485	---	---	35,371	29,314	34,042	17,806	19,015
70	47,230	44,213	36,925	---	---	27,236	21,741	26,923	12,295	13,829
75	35,547	32,717	25,921	---	---	19,456	14,419	18,854	7,494	8,892
80	23,572	22,017	16,560	---	---	12,186	8,239	11,615	3,894	4,831
85	12,594	12,383	9,648	---	---	6,444	3,660	5,605	1,747	2,030
<b>BLACK, FEMALE</b>										
0	100,000	100,000	100,000	---	---	100,000	100,000	100,000	100,000	100,000
1	98,374	98,073	97,076	---	---	93,416	92,796	91,251	81,493	78,525
5	98,108	97,751	96,598	---	---	91,906	90,185	87,149	72,768	68,056
10	97,962	97,590	96,369	---	---	91,308	89,201	85,607	70,508	65,111
15	97,815	97,450	96,172	---	---	90,594	88,088	83,954	68,218	62,384
20	97,573	97,180	95,729	---	---	88,736	85,078	80,154	64,764	59,053
25	97,142	96,754	95,035	---	---	86,198	81,067	75,359	61,430	55,795
30	96,510	96,150	94,114	---	---	83,384	78,616	70,833	58,281	52,773
35	95,628	95,338	92,807	---	---	80,092	72,192	65,857	54,595	49,567
40	94,363	94,137	90,817	---	---	76,084	67,271	61,130	50,568	46,146
45	92,646	92,322	88,001	---	---	71,157	61,365	56,230	45,947	42,279
50	90,304	89,563	84,168	---	---	64,885	54,920	50,780	40,886	37,681
55	86,875	85,653	79,177	---	---	57,314	47,074	44,742	35,415	33,124
60	81,926	80,293	72,820	---	---	48,928	38,761	37,954	28,908	27,524
65	74,900	73,266	64,716	---	---	40,504	30,852	31,044	22,302	21,895
70	66,281	64,729	54,873	---	---	32,354	23,341	24,107	15,871	16,140
75	55,664	53,831	43,193	---	---	24,502	16,576	17,216	10,657	11,066
80	43,083	41,686	31,756	---	---	17,039	10,822	11,151	6,324	6,708
85	27,909	28,004	21,358	---	---	10,622	6,033	5,972	3,029	3,567

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Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1988—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix]

Age, race, and sex	Average number of years of life remaining (e <sub>x</sub> )									
	1888	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
<b>ALL OTHER, FEMALE</b>										
0	75.1	74.00	69.05	66.47	62.70	55.51	---	---	---	---
1	75.1	74.31	70.01	68.10	64.37	58.47	---	---	---	---
5	71.3	70.53	66.34	64.54	60.83	55.47	---	---	---	---
10	68.4	65.84	61.49	59.72	56.17	50.83	---	---	---	---
15	61.6	60.73	56.60	54.85	51.36	46.22	---	---	---	---
20	56.7	55.88	51.85	50.07	46.77	42.14	---	---	---	---
25	51.9	51.11	47.19	45.40	42.35	38.31	---	---	---	---
30	47.1	46.39	42.61	40.83	38.02	34.52	---	---	---	---
35	42.5	41.72	38.14	36.41	33.82	30.83	---	---	---	---
40	37.9	37.16	33.87	32.16	29.82	27.31	---	---	---	---
45	33.5	32.77	29.80	28.14	26.07	24.00	---	---	---	---
50	29.2	28.59	25.97	24.31	22.67	21.04	---	---	---	---
55	25.1	24.65	22.37	20.89	19.62	18.44	---	---	---	---
60	21.3	20.89	19.02	17.83	16.85	16.14	---	---	---	---
65	17.8	17.60	15.99	15.12	14.54	13.95	---	---	---	---
70	14.5	14.44	13.30	12.46	12.29	11.81	---	---	---	---
75	11.5	11.68	11.06	10.10	10.15	9.80	---	---	---	---
80	8.8	9.17	9.01	7.66	8.15	8.00	---	---	---	---
85	6.8	7.19	7.07	5.44	6.15	6.38	---	---	---	---
<b>BLACK</b>										
0	69.2	68.52	64.11	---	---	53.85	---	---	---	---
1	69.5	68.99	65.27	---	---	57.15	---	---	---	---
5	65.7	65.25	61.62	---	---	54.13	---	---	---	---
10	60.9	60.30	56.79	---	---	49.50	---	---	---	---
15	55.9	55.49	51.94	---	---	44.89	---	---	---	---
20	51.2	50.75	47.34	---	---	40.73	---	---	---	---
25	46.6	46.18	43.00	---	---	36.91	---	---	---	---
30	42.1	41.69	38.70	---	---	33.17	---	---	---	---
35	37.8	37.28	34.48	---	---	29.53	---	---	---	---
40	33.6	32.98	30.46	---	---	26.06	---	---	---	---
45	29.5	28.87	26.65	---	---	22.82	---	---	---	---
50	25.5	25.03	23.11	---	---	19.94	---	---	---	---
55	21.6	21.50	19.83	---	---	17.43	---	---	---	---
60	18.4	18.29	16.83	---	---	15.18	---	---	---	---
65	15.4	15.37	14.16	---	---	13.02	---	---	---	---
70	12.6	12.67	11.77	---	---	10.93	---	---	---	---
75	10.0	10.32	9.89	---	---	8.97	---	---	---	---
80	7.8	8.17	8.29	---	---	7.31	---	---	---	---
85	6.3	6.54	6.54	---	---	5.91	---	---	---	---
<b>BLACK, MALE</b>										
0	64.9	64.10	60.00	---	---	52.26	47.55	47.14	34.05	32.54
1	65.2	64.60	61.24	---	---	55.93	51.08	51.63	42.53	42.46
5	61.4	60.86	57.60	---	---	52.95	48.69	50.18	44.25	45.06
10	56.5	56.01	52.79	---	---	48.34	44.27	45.89	40.65	41.90
15	51.6	51.14	47.95	---	---	43.74	39.83	41.75	38.77	38.26
20	47.0	46.48	43.49	---	---	39.52	35.95	38.38	33.46	35.11
25	42.7	42.09	39.45	---	---	35.72	32.67	35.54	30.44	32.21
30	38.4	37.81	35.40	---	---	32.05	29.45	32.51	27.33	29.25
35	34.3	33.60	31.42	---	---	28.48	26.39	29.54	24.42	26.16
40	30.3	29.51	27.61	---	---	25.06	23.36	26.53	21.57	23.12
45	26.5	25.61	24.03	---	---	21.88	20.59	23.55	18.85	20.09
50	22.8	22.03	20.69	---	---	19.06	17.92	20.47	16.21	17.34
55	19.4	18.79	17.66	---	---	16.60	15.46	17.50	13.82	14.69
60	16.2	15.89	14.93	---	---	14.37	13.15	14.74	11.67	12.62
65	13.4	13.29	12.53	---	---	12.21	10.87	12.07	9.74	10.38
70	10.9	10.94	10.40	---	---	10.11	8.78	9.58	8.00	8.33
75	8.6	8.90	8.76	---	---	8.17	6.99	7.61	6.58	6.60
80	6.8	7.03	7.35	---	---	6.58	5.42	5.83	5.53	5.12
85	5.5	5.81	5.92	---	---	5.34	4.30	4.53	4.48	4.04
<b>BLACK, FEMALE</b>										
0	73.4	72.88	68.32	---	---	55.56	49.51	48.82	37.67	35.04
1	73.6	73.31	69.37	---	---	58.46	52.33	50.39	45.15	43.54
5	69.8	69.54	65.70	---	---	55.40	49.81	48.70	46.42	46.04
10	64.9	64.65	60.85	---	---	50.75	45.33	44.54	42.84	43.02
15	60.0	59.74	55.97	---	---	46.13	40.87	40.36	39.18	39.79
20	55.1	54.90	51.22	---	---	42.04	37.22	37.15	36.14	36.89
25	50.4	50.13	46.57	---	---	38.20	33.93	34.35	32.97	33.90
30	45.7	45.43	42.00	---	---	34.40	30.67	31.48	29.61	30.70
35	41.1	40.79	37.56	---	---	30.83	27.47	28.58	26.44	27.52
40	36.6	36.28	33.32	---	---	27.19	24.30	25.60	23.34	24.37
45	32.2	31.94	29.31	---	---	23.89	21.39	22.61	20.43	21.36
50	28.0	27.84	25.52	---	---	20.95	18.60	19.76	17.65	18.67
55	24.0	24.00	21.97	---	---	18.38	16.27	17.09	14.98	15.88
60	20.3	20.42	18.66	---	---	16.10	14.22	14.69	12.78	13.60
65	16.9	17.13	15.67	---	---	13.95	12.24	12.41	10.82	11.38
70	13.8	14.05	13.02	---	---	11.82	10.38	10.25	9.22	9.82
75	10.9	11.37	10.85	---	---	9.81	8.62	8.37	7.55	7.90
80	8.4	8.96	8.87	---	---	8.02	6.90	6.59	6.05	6.48
85	6.6	7.09	7.00	---	---	6.41	5.48	5.22	5.09	5.10

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Table 6-5. Estimated Average Length of Life in Years, by Race and Sex: Death-Registration States, 1900-28, and United States, 1929-88

[For selected years, life table values shown are estimates; see Technical Appendix. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix]

Area and year	All races			White			All other						
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black			
							Both sexes	Male	Female	Both sexes	Male	Female	
<b>UNITED STATES</b>													
1988	74.9	71.5	78.3	75.6	72.3	78.9	71.2	67.1	75.1	69.2	64.9	73.4	
1987	75.0	71.5	78.4	75.6	72.2	78.9	71.3	67.3	75.2	69.4	65.2	73.6	
1986	74.8	71.3	78.3	75.4	72.0	78.8	71.2	67.2	75.1	69.4	65.2	73.5	
1985	74.7	71.2	78.2	75.3	71.9	78.7	71.2	67.2	75.0	69.5	65.3	73.5	
1984	74.7	71.2	78.2	75.3	71.8	78.7	71.3	67.4	75.0	69.7	65.6	73.7	
1983	74.6	71.0	78.1	75.2	71.7	78.7	71.1	67.2	74.9	69.8	65.4	73.6	
1982	74.5	70.9	78.1	75.1	71.5	78.7	71.0	66.8	75.0	69.4	65.1	73.7	
1981	74.2	70.4	77.8	74.8	71.1	78.4	70.3	66.1	74.4	68.9	64.5	73.2	
1980	73.7	70.0	77.4	74.4	70.7	78.1	69.5	65.3	73.6	68.1	63.8	72.5	
1979	73.9	70.0	77.8	74.6	70.9	78.4	69.8	65.4	74.1	68.5	64.0	72.9	
1978	73.5	69.6	77.3	74.1	70.4	78.0	69.3	65.0	73.5	68.1	63.7	72.4	
1977	73.3	69.5	77.2	74.0	70.2	77.9	68.9	64.7	73.5	67.7	63.4	72.0	
1976	72.9	69.1	76.8	73.6	69.9	77.5	68.4	64.2	72.7	67.2	62.9	71.6	
1975	72.6	68.8	76.6	73.4	69.5	77.3	68.0	63.7	72.4	66.8	62.4	71.3	
1974	72.0	68.2	75.9	72.8	69.0	76.7	67.1	62.9	71.3	66.0	61.7	70.3	
1973	71.4	67.6	75.3	72.2	68.5	76.1	66.1	62.0	70.3	65.0	60.9	69.3	
1972	71.2	67.4	75.1	72.0	68.3	75.9	65.7	61.5	70.1	64.7	60.4	69.1	
1971	71.1	67.4	75.0	72.0	68.3	75.8	65.6	61.6	69.8	64.6	60.5	68.9	
1970	70.8	67.1	74.7	71.7	68.0	75.6	65.3	61.3	69.4	64.1	60.0	68.3	
1969	70.5	66.8	74.4	71.4	67.7	75.3	64.5	60.6	68.6	---	---	---	
1968	70.2	66.6	74.1	71.1	67.5	75.0	64.1	60.4	67.9	---	---	---	
1967	70.5	67.0	74.3	71.4	67.8	75.2	64.9	61.4	68.5	---	---	---	
1966	70.2	66.7	73.9	71.1	67.5	74.8	64.2	60.9	67.6	---	---	---	
1965	70.2	66.8	73.8	71.1	67.6	74.8	64.3	61.2	67.6	---	---	---	
1964	70.2	66.8	73.7	71.0	67.7	74.7	64.2	61.3	67.3	---	---	---	
1963	69.9	66.6	73.4	70.8	67.4	74.4	63.7	61.0	66.6	---	---	---	
1962	70.1	66.9	73.5	70.9	67.7	74.5	64.2	61.6	66.9	---	---	---	
1961	70.2	67.1	73.6	71.0	67.8	74.6	64.5	62.0	67.1	---	---	---	
1960	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3	---	---	---	
1959	69.9	66.8	73.2	70.7	67.5	74.2	63.9	61.3	66.5	---	---	---	
1958	69.6	66.6	72.9	70.5	67.4	73.9	63.4	61.0	65.8	---	---	---	
1957	69.5	66.4	72.7	70.3	67.2	73.7	63.0	60.7	65.5	---	---	---	
1956	69.7	66.7	72.9	70.5	67.5	73.9	63.6	61.3	66.1	---	---	---	
1955	69.6	66.7	72.8	70.5	67.4	73.7	63.4	61.1	65.9	---	---	---	
1954	69.6	66.7	72.8	70.5	67.5	73.7	63.4	61.1	65.9	---	---	---	
1953	68.8	66.0	72.0	69.7	66.8	73.0	62.0	59.7	64.5	---	---	---	
1952	68.6	65.8	71.6	69.5	66.6	72.6	61.4	59.1	63.8	---	---	---	
1951	68.4	65.6	71.4	69.3	66.5	72.4	61.2	59.2	63.4	---	---	---	
1950	68.2	65.8	71.1	69.1	66.5	72.2	60.8	59.1	62.9	---	---	---	
1949	68.0	65.2	70.7	68.8	66.2	71.9	60.6	58.9	62.7	---	---	---	
1948	67.2	64.6	69.9	68.0	65.5	71.0	60.0	58.1	62.5	---	---	---	
1947	66.8	64.4	69.7	67.6	65.2	70.5	59.7	57.9	61.9	---	---	---	
1946	66.7	64.4	69.4	67.5	65.1	70.3	59.1	57.5	61.0	---	---	---	
1945	65.9	63.6	67.9	66.8	64.4	69.5	57.7	56.1	59.8	---	---	---	
1944	65.2	63.6	66.8	66.2	64.5	68.4	56.6	55.8	57.7	---	---	---	
1943	63.3	62.4	64.4	64.2	63.2	65.7	55.6	55.4	56.1	---	---	---	
1942	66.2	64.7	67.9	67.3	65.9	69.4	56.6	55.4	58.2	---	---	---	
1941	64.8	63.1	66.8	66.2	64.4	68.5	53.8	52.5	55.3	---	---	---	
1940	62.9	60.8	65.2	64.2	62.1	66.6	53.1	51.5	54.9	---	---	---	
1939	63.7	62.1	65.4	64.9	63.3	66.6	54.5	53.2	56.0	---	---	---	
1938	63.5	61.9	65.3	65.0	63.2	66.8	52.9	51.7	54.3	---	---	---	
1937	60.0	58.0	62.4	61.4	59.3	63.8	50.3	48.3	52.5	---	---	---	
1936	58.5	56.6	60.6	59.8	58.0	61.9	49.0	47.0	51.4	---	---	---	
1935	61.7	59.9	63.9	62.9	61.0	65.0	53.1	51.3	55.2	---	---	---	
1934	61.1	59.3	63.3	62.4	60.5	64.6	51.8	50.2	53.7	---	---	---	
1933	63.3	61.7	65.1	64.3	62.7	66.3	54.7	53.5	56.0	---	---	---	
1932	62.1	61.0	63.5	63.2	62.0	64.5	53.7	52.8	54.6	---	---	---	
1931	61.1	59.4	63.1	62.6	60.8	64.7	50.4	49.5	51.5	---	---	---	
1930	59.7	58.1	61.6	61.4	59.7	63.5	48.1	47.3	49.2	---	---	---	
1929	57.1	55.8	58.7	58.6	57.2	60.3	46.7	45.7	47.8	---	---	---	

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**Table 6-5. Estimated Average Length of Life in Years, by Race and Sex: Death-Registration States, 1900-28, and United States, 1929-88—Con.**

[For selected years, life table values shown are estimates; see Technical Appendix. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix]

Area and year	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
<b>DEATH-REGISTRATION STATES</b>												
1928	56.8	55.6	58.3	58.4	57.0	60.0	46.3	45.6	47.0	---	---	---
1927	60.4	59.0	62.1	62.0	60.5	63.9	48.2	47.6	48.9	---	---	---
1926	58.7	55.5	58.0	58.2	57.0	59.6	44.6	43.7	45.6	---	---	---
1925	59.0	57.6	60.6	60.7	59.3	62.4	45.7	44.9	46.7	---	---	---
1924	59.7	58.1	61.5	61.4	59.8	63.4	46.6	45.5	47.8	---	---	---
1923	57.2	56.1	58.5	58.3	57.1	59.6	48.3	47.7	48.9	---	---	---
1922	59.6	58.4	61.0	60.4	59.1	61.9	52.4	51.8	53.0	---	---	---
1921	60.8	60.0	61.8	61.8	60.8	62.9	51.5	51.6	51.3	---	---	---
1920	54.1	53.6	54.6	54.9	54.4	55.6	45.3	45.5	45.2	---	---	---
1919	54.7	53.5	56.0	55.8	54.5	57.4	44.5	44.5	44.4	---	---	---
1918	39.1	36.6	42.2	39.8	37.1	43.2	31.1	29.9	32.5	---	---	---
1917	50.9	48.4	54.0	52.0	49.3	55.3	38.8	37.0	40.8	---	---	---
1916	51.7	49.6	54.3	52.5	50.2	56.2	41.3	39.6	43.1	---	---	---
1915	54.5	52.5	56.8	55.1	53.1	57.5	38.9	37.5	40.5	---	---	---
1914	54.2	52.0	56.8	54.9	52.7	57.5	38.9	37.1	40.8	---	---	---
1913	52.5	50.3	55.0	53.0	50.8	55.7	38.4	36.7	40.3	---	---	---
1912	53.5	51.5	55.9	53.9	51.9	56.2	37.9	35.9	40.0	---	---	---
1911	52.6	50.9	54.4	53.0	51.3	54.9	36.4	34.6	38.2	---	---	---
1910	60.0	48.4	51.8	60.3	48.6	52.0	35.6	33.8	37.5	---	---	---
1909	52.1	50.5	53.8	52.5	50.9	54.2	35.7	34.2	37.3	---	---	---
1908	51.1	49.5	52.8	51.5	49.9	53.3	34.9	33.8	36.0	---	---	---
1907	47.6	45.6	49.9	48.1	46.0	50.4	32.5	31.1	34.0	---	---	---
1906	48.7	46.9	50.8	49.3	47.3	51.4	32.9	31.8	33.9	---	---	---
1905	48.7	47.3	50.2	49.1	47.6	50.6	31.3	29.6	33.1	---	---	---
1904	47.6	46.2	49.1	48.0	46.6	49.5	30.8	29.1	32.7	---	---	---
1903	50.5	49.1	52.0	50.9	49.5	52.5	33.1	31.7	34.6	---	---	---
1902	51.6	49.8	53.4	51.9	50.2	53.8	34.6	32.9	36.4	---	---	---
1901	49.1	47.8	50.6	49.4	48.0	51.0	33.7	32.2	35.3	---	---	---
1900	47.3	46.3	48.3	47.6	46.6	48.7	33.0	32.5	33.5	---	---	---

<sup>1</sup> Alaska included in 1959 and Hawaii in 1960.  
<sup>2</sup> Deaths based on a 50-percent sample.  
<sup>3</sup> Figures by race exclude data for residents of New Jersey; see Technical Appendix.

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## SOURCES OF DATA

## Death and fetal-death statistics

Mortality statistics for 1988 are, as for all previous years except 1972, based on information from records of all deaths occurring in the United States. Fetal-death statistics for every year are based on all reports of fetal death received by the National Center for Health Statistics (NCHS).

The death-registration system and the fetal-death reporting system of the United States encompass the 50 States, the District of Columbia, New York City (which is independent of New York State for the purpose of death registration), Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Trust Territory of the Pacific Islands. In the statistical tabulations of this publication, *United States* refers only to the aggregate of the 50 States (including New York City) and the District of Columbia. Tabulations for Guam, Puerto Rico, and the Virgin Islands are shown separately in this volume. No data have ever been included for American Samoa or the Trust Territory of the Pacific Islands.

The Virgin Islands was admitted to the "registration area" for deaths in 1924; Puerto Rico, in 1932; and Guam, in 1970. Tabulations of death statistics for Puerto Rico and the Virgin Islands were regularly shown in the annual volumes of *Vital Statistics of the United States* from the year of their admission through 1971 except for the years 1967 through 1969, and tabulations for Guam were included for 1970 and 1971. Death statistics for Puerto Rico, the Virgin Islands, and Guam were not included in the 1972 volume but have been included in section 8 of the volumes for each of the years 1973-78 and in section 9 beginning with 1979. Information for 1972 for these three areas was published in the respective annual vital statistics reports of the Department of Health of the Commonwealth of Puerto Rico, the Department of Health of the Virgin Islands, and the Department of Public Health and Social Services of the Government of Guam.

Procedures used by NCHS to collect death statistics have changed over the years. Before 1971, tabulations of deaths and fetal deaths were based solely on information obtained by NCHS from copies of the original certificates. The information from these copies was edited, coded, and tabulated. For 1960-70, all mortality information taken from these records was transferred by NCHS to magnetic tape for computer processing.

Beginning with 1971, an increasing number of States have provided NCHS with computer tapes of data coded according to NCHS specifications and provided to NCHS through the Vital Statistics Cooperative Program. The year in which State-coded demographic data were first transmitted on computer tape to NCHS is shown below for each of the States, New York City, Puerto Rico, and the District of Columbia, all of which now furnish demographic or nonmedical data on tape.

1971	Florida	1977	Alaska Idaho Massachusetts New York City Ohio Puerto Rico
1972	Maine Missouri New Hampshire Rhode Island Vermont	1978	Indiana Utah Washington
1973	Colorado Michigan New York (except New York City)	1979	Connecticut Hawaii Mississippi New Jersey Pennsylvania Wyoming
1974	Illinois Iowa Kansas Montana Nebraska Oregon South Carolina	1980	Arkansas New Mexico South Dakota
1975	Louisiana Maryland North Carolina Oklahoma Tennessee Virginia Wisconsin	1982	North Dakota
1976	Alabama Kentucky Minnesota Nevada Texas West Virginia	1985	Arizona California Delaware Georgia District of Columbia

For the Virgin Islands and Guam, mortality statistics for 1988 are based on information obtained directly by NCHS from copies of the original certificates received from the registration offices.

In 1974, States began coding medical (cause-of-death) data on computer tapes according to NCHS specifications. The



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year in which State-coded medical data were first transmitted to NCHS is shown below for the 27 States now furnishing such data. Some States coded medical items for other States, under contract.

1974	1983
Iowa	Minnesota
Michigan	
1975	1984
Louisiana	Maryland
Nebraska	New York State (except
North Carolina	New York City)
Virginia	Vermont
Wisconsin	
1980	1986
Colorado	California
Kansas	Florida
Massachusetts	Texas
Mississippi	1988
New Hampshire	Alaska
Pennsylvania	Delaware
South Carolina	Idaho
1981	North Dakota
Maine	Wyoming

For 1988 and previous years except 1972, NCHS coded the medical information from copies of the original certificates received from the registration offices for all deaths occurring in those States that were not furnishing NCHS with medical data coded according to NCHS specifications. For 1981 and 1982, it was necessary to change these procedures because of a backlog in coding and processing that resulted from personnel and budgetary restrictions. To produce the mortality files on a timely basis with reduced resources, NCHS used State-coded underlying cause-of-death information supplied by 19 States for 50 percent of the records; for the other 50 percent of the records for these States as well as for 100 percent of the records for the remaining 21 registration areas, NCHS coded the medical information.

Mortality statistics for 1972 were based on information obtained from a 50-percent sample of death records instead of from all records as in other years. The sample resulted from personnel and budgetary restrictions. Sampling variation associated with the 50-percent sample is described below in the section "Estimates of errors arising from 50-percent sample for 1972."

Fetal-death data are obtained directly from copies of original reports of fetal deaths received by NCHS, except New York State (excluding New York City), which submitted State-coded data in 1988. Fetal-death data are not published by NCHS for the Virgin Islands and Guam.

Standard certificates and reports

The U.S. Standard Certificate of Death and the U.S. Standard Report of Fetal Death, issued by the Public Health Service, have served for many years as the principal means of attaining uniformity in the content of documents used to collect information on these events. They have been modified in each State to the extent required by the particular needs of the State or by special provisions of the State vital statistics law. However, the certificates or reports of most States conform closely in content and arrangement to the standards.

The first issue of the U.S. Standard Certificate of Death appeared in 1900. Since then, it has been revised periodically by the national vital statistics agency through consultation with State health officers and registrars; Federal agencies concerned with vital statistics; national, State, and county medical societies; and others working in such fields as public health, social welfare, demography, and insurance. This revision procedure has assured careful evaluation of each item in terms of its current and future usefulness for legal, medical and health, demographic, and research purposes. New items have been added when necessary, and old items have been modified to ensure better reporting, or in some cases have been dropped when their usefulness appeared to be limited.

New revisions of the U.S. Standard Certificate of Death and the U.S. Standard Report of Fetal Death were recommended for State use beginning on January 1, 1978. The U.S. Standard Certificate of Death and the U.S. Standard Report of Fetal Death are shown in figures 7-A and 7-B. The certificate of death shown in figure 7-A is for use by a physician, a medical examiner, or a coroner. Two other forms of the U.S. Standard Certificate of Death are available; they are similar to the one shown, except that the section on certification is designed for the physician's signature on one, and for the medical examiner's or coroner's signature on the other.

Among the changes in the new revision were the additions of an item asking, "If Hosp. or Inst., Indicate DOA, OP/Emer. Rm., Inpatient" and an item asking, "Was Decedent Ever in U.S. Armed Forces?" The latter item was previously on the certificate but was deleted from 1968 through 1977. An item on whether autopsy findings were considered for determining cause of death was dropped.

HISTORY

The first death statistics published by the Federal Government concerned events in 1850 and were based on statistics collected during the decennial census of that year. In 1880 a national "registration area" was created for deaths. Originally consisting of two States (Massachusetts and New Jersey), the District of Columbia, and several large cities having efficient systems for death registrations, the death-registration area continued to expand until 1933, when it included the entire United States for the first time. Tables that show data for death-registration States include the District of Columbia for all years; registration cities in nonregistration States are not included. For more details on the history of the death-registration area, see the Technical Appendix in *Vital Statistics of the United*

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FIGURE 7-A.

(PHYSICIAN, MEDICAL EXAMINER OR CORONER)  
U.S. STANDARD  
**CERTIFICATE OF DEATH**

Form Approved  
OMB No. 68R 1901

LOCAL FILE NUMBER \_\_\_\_\_ STATE FILE NUMBER \_\_\_\_\_

	1. DECEDENT—NAME FIRST MIDDLE LAST	2. SEX	3. DATE OF DEATH (Mo., Day, Yr.)
	4. RACE—(e.g., White, Black, American Indian, etc.) (Specify)	5a. AGE—Last Birthday (Yrs.)	6. DATE OF BIRTH (Mo., Day, Yr.)
		5b. UNDER 1 YEAR MON. DAYS	5c. UNDER 1 DAY HOURS MINS.
	7a. CITY, TOWN OR LOCATION OF DEATH	7b. HOSPITAL OR OTHER INSTITUTION—Name (If not in either, give street and number)	7c. IF HOSP. OR INST. (Indicate OOA, OP/Emer. Rm., Inpatient) (Specify)
<b>DECEDENT</b>	7d. STATE OF BIRTH (If not in U.S.A., name country)	7e. CITIZEN OF WHAT COUNTRY	7f. MARRIED, NEVER MARRIED, WIDOWED, DIVORCED (Specify)
	8. SOCIAL SECURITY NUMBER	9. SURVIVING SPOUSE (If wife, give maiden name)	10. WAS DECEDENT EVER IN U.S. ARMED FORCES? (Specify Yes or No)
	11. RESIDENCE—STATE	12. COUNTY	13. USUAL OCCUPATION (Give kind of work done during most of working life, even if retired)
	14a. CITY, TOWN OR LOCATION	14b. STREET AND NUMBER	14c. KIND OF BUSINESS OR INDUSTRY
	15a. FATHER—NAME FIRST MIDDLE LAST	15b. MOTHER—MAIDEN NAME FIRST MIDDLE LAST	
<b>PARENTS</b>	16. INFORMANT—NAME (Type or Print)	17. MAILING ADDRESS	18. STREET OR R.F.D. NO. CITY OR TOWN STATE ZIP
	19a. BURIAL, CREMATION, REMOVAL, OTHER (Specify)	19b. CEMETERY OR CREMATORY—NAME	19c. LOCATION CITY OR TOWN STATE
<b>DISPOSITION</b>	20a. FUNERAL SERVICE LICENSEE Or Person Acting As Such (Signature)	20b. NAME OF FACILITY	20c. ADDRESS OF FACILITY
	21a. To the best of my knowledge, death occurred at the time, date and place and due to the cause(s) stated.	21b. DATE SIGNED (Mo., Day, Yr.)	21c. HOUR OF DEATH
<b>CERTIFIER</b>	21d. NAME OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (Type or Print)	22a. On the basis of examination and/or investigation, in my opinion death occurred at the time, date and place and due to the cause(s) stated.	22b. DATE SIGNED (Mo., Day, Yr.)
	21e. NAME AND ADDRESS OF CERTIFIER (PHYSICIAN, MEDICAL EXAMINER OR CORONER) (Type or Print)	22c. PRONOUNCED DEAD (Mo., Day, Yr.)	22d. PRONOUNCED DEAD (Hour)
		22e. ON	22f. AT
	23. REGISTRAR	24a. (Signature)	24b. DATE RECEIVED BY REGISTRAR (Mo., Day, Yr.)
<b>CAUSE OF DEATH</b>	25. IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).)		
	PART I (a) DUE TO, OR AS A CONSEQUENCE OF:		Interval between onset and death
	(b) DUE TO, OR AS A CONSEQUENCE OF:		Interval between onset and death
	(c) DUE TO, OR AS A CONSEQUENCE OF:		Interval between onset and death
	PART II OTHER SIGNIFICANT CONDITIONS—Conditions contributing to death but not related to cause given in PART I (a)		26. AUTOPSY (Specify Yes or No)
	27a. ACC., SUICIDE, HOM., UNDET., OR PENDING INVEST. (Specify)	27b. DATE OF INJURY (Mo., Day, Yr.)	27c. HOUR OF INJURY
	27d. INJURY AT WORK (Specify Yes or No)	27e. PLACE OF INJURY—At home, farm, street, factory, office building, etc. (Specify)	27f. DESCRIBE HOW INJURY OCCURRED
	27g. LOCATION	27h. STREET OR R.F.D. NO.	27i. CITY OR TOWN STATE
	27j. INJURY AT WORK (Specify Yes or No)	27k. PLACE OF INJURY—At home, farm, street, factory, office building, etc. (Specify)	27l. DESCRIBE HOW INJURY OCCURRED

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States, 1979, Volume II, Mortality, Part A, Section 7, pages 3–4, and the section “History and Organization of the Vital Statistics System,” chapter 1, *Vital Statistics of the United States, 1950*, Volume I, pages 2–19.

Statistics on fetal deaths were first published for the birth-registration area in 1918, and then every year beginning with 1922.

**CLASSIFICATION OF DATA**

The principal value of vital statistics data is realized through the presentation of rates, which are computed by relating the

vital events of a class to the population of a similarly defined class. Vital statistics and population statistics must therefore be classified according to similarly defined systems and tabulated in comparable groups. Even when the variables common to both, such as geographic area, age, sex, and race, have been similarly classified and tabulated, differences between the enumeration method of obtaining population data and the registration method of obtaining vital statistics data may result in significant discrepancies.

The general rules used in the classification of geographic and personal items for deaths and fetal deaths for 1988 are set forth in two NCHS instruction manuals (1,2).

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FIGURE 7-B.

Form Approved  
OMB No. 68R 1901

U.S. STANDARD  
**REPORT OF FETAL DEATH**

STATE FILE NUMBER

TYPE OR PRINT IN PERMANENT INK SEE HANDBOOK FOR INSTRUCTIONS

HOSPITAL—NAME (If not in hospital, give street and number)		CITY, TOWN OR LOCATION OF DELIVERY		COUNTY OF DELIVERY	
1a. DATE OF DELIVERY (Month, Day, Year)		2b. HOUR OF DELIVERY		3. SEX OF FETUS	
4. WEIGHT OF FETUS		5a. MOTHER—MAIDEN NAME FIRST MIDDLE LAST		5b. AGE (At time of this delivery)	
6a. RESIDENCE—STATE		6b. COUNTY		7. CITY, TOWN OR LOCATION	
8. STREET AND NUMBER		9. INSIDE CITY LIMITS (Specify yes or no)		10. PREGNANCY HISTORY (Complete each section)	
11. RACE—(e.g., White, Black, American Indian, etc.) (Specify)		12. EDUCATION (Specify only highest grade completed)		13. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)	
14. IS MOTHER MARRIED? (Specify yes or no)		15. LIVE BIRTHS		16. OTHER TERMINATIONS (Spontaneous and Induced)	
17. MONTH OF PREGNANCY PRENATAL CARE BEGAN (If first, second, etc., specify)		18. PRENATAL VISITS—Total number (If none, so state)		19. THIS BIRTH—Single, twin, triplet, etc. (Specify)	
20. IF NOT SINGLE BIRTH—Born first, second, third, etc. (Specify)		21. DATE OF LAST LIVE BIRTH (Month, Year)		22. DATE OF LAST OTHER TERMINATION (as indicated in d or e above) (Month, Year)	
23. FATHER—NAME FIRST MIDDLE LAST		24. AGE (At time of this delivery)		25. RACE—(e.g., White, Black, American Indian, etc.) (Specify)	
26. EDUCATION (Specify only highest grade completed)		27. ELEMENTARY OR SECONDARY (0-12)		28. COLLEGE (11-4 or 5+)	

15. PART I IMMEDIATE CAUSE [ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).] Specify Fetal or Maternal

(a) Fetal or maternal condition directly causing fetal death.

(b) Fetal and/or maternal conditions, if any giving rise to the immediate cause (a), stating the underlying cause last.

(c) DUE TO, OR AS A CONSEQUENCE OF:

PART II OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER: Conditions contributing to fetal death but not related to cause given in (a)

16. FETUS DIED BEFORE LABOR, DURING LABOR OR DELIVERY, UNKNOWN (Specify)

17. PHYSICIAN'S ESTIMATE OF GESTATION Weeks

18. AUTOPSY (Specify yes or no)

19. COMPLICATIONS OF PREGNANCY (Describe or write "none")

20. COMPLICATIONS OF LABOR AND/OR DELIVERY (Describe or write "none")

21. CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "none")

22. CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS (Describe or write "none")

23. NAME OF PHYSICIAN OR ATTENDANT (Type or print)

24. NAME OF PERSON COMPLETING REPORT (Type or print)

TITLE

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1978 REVISION

MOTHER

FATHER

CAUSE OF FETAL DEATH

MULTIPLE BIRTHS  
Enter State File Number for mate(s)  
LIVE BIRTH(S)

FETAL DEATH(S)

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Rev. 1/78

A discussion of the classification of certain important items is presented below.

**Classification by occurrence and residence**

Tabulations for the United States and specified geographic areas in this volume are by place of residence unless stated as by place of occurrence. Before 1970, resident mortality statistics for the United States included all deaths occurring in the United States, with deaths of "nonresidents of the United States" assigned to place of death. "Deaths of nonresidents of the United States" refers to deaths that occur in the United States of nonresident aliens, nationals residing abroad, and residents of Puerto Rico, the Virgin Islands, Guam, and other territories of the United States. Beginning with 1970, deaths of

nonresidents of the United States are not included in tables by place of residence.

Tables by place of occurrence, on the other hand, include deaths of both residents and nonresidents of the United States. Consequently, for each year beginning with 1970, the total number of deaths in the United States by place of occurrence was somewhat greater than the total by place of residence. For 1988 this difference amounted to 3,197 deaths. Mortality statistics by place of occurrence are shown in tables 1-11, 1-19, 1-20, 1-29, 1-30, 3-1, 3-8, 8-1, and 8-7.

Before 1970, except for 1964 and 1965, deaths of nonresidents of the United States occurring in the United States were treated as deaths of residents of the exact place of occurrence, which in most instances was an urban area. In 1964 and 1965, deaths of nonresidents of the United States occurring in the

United States were allocated as deaths of residents of the balance of the county in which they occurred.

*Residence error*—Results of a 1960 study showed that the classification of residence information on the death certificates corresponded closely to the residence classification of the census records for the decedents whose records were matched (3).

A comparison of the results of this study of deaths with those for a previous matched record study of births (4) showed that the quality of residence data had considerably improved between 1950 and 1960. Both studies found that events in urban areas were overstated by the NCHS classification in comparison with the U.S. Bureau of the Census classification. The magnitude of the difference was substantially less for deaths in 1960 than it was for births in 1950.

The improvement is attributed to an item added in 1956 to the U.S. Standard Certificates of Birth and of Death, asking if residence was inside or outside city limits. This new item aided in properly allocating the residence of persons living near cities but outside the corporate limits.

### Geographic classification

The rules followed in the classification of geographic areas for deaths and fetal deaths are contained in the two instruction manuals referred to previously (1,2). The geographic codes assigned by the National Center for Health Statistics during data reduction of source information on birth, death, and fetal-death records are given in another instruction manual (5). Beginning with 1982 data, the geographic codes were modified to reflect results of the 1980 census. For 1970–81, codes are based on results of the 1970 census.

*Standard metropolitan statistical areas*—The standard metropolitan statistical areas (SMSA's) used in this volume are those established by the U.S. Office of Management and Budget (6) from final 1980 census population counts and used by the U.S. Bureau of the Census, except in the New England States.

Except in the New England States, an SMSA is a county or a group of contiguous counties containing a city of 50,000 inhabitants or more or an urbanized area of 50,000 with a total metropolitan population of at least 100,000. In addition to the county or counties containing such a city or urbanized area, contiguous counties are included in an SMSA if, according to specified criteria, they are essentially metropolitan in character and are socially and economically integrated with the central city or urbanized area (7).

In the New England States the U.S. Office of Management and Budget uses towns and cities rather than counties as geographic components of SMSA's. The National Center for Health Statistics cannot, however, use the SMSA classification for these States because its data are not coded to identify all towns. Instead, NCHS uses New England County Metropolitan Areas (NECMA's): Made up of county units, these areas are established by the U.S. Office of Management and Budget (7,8).

*Metropolitan and nonmetropolitan counties*—Independent cities and counties included in SMSA's or in NECMA's are

included in data for metropolitan counties; all other counties are classified as nonmetropolitan.

*Population-size groups*—Vital statistics data for cities and certain other urban places in 1988 are classified according to the population enumerated in the 1980 Census of Population. Data are available for individual cities and other urban places of 10,000 or more population. Data for the remaining areas not separately identified are shown in the tables under the heading "balance of area" or "balance of county." For the years 1970–81, classification of areas was determined by the population enumerated in the 1970 Census of Population. Beginning with 1982 data, as a result of changes in the enumerated population between 1970 and 1980, some urban places identified in previous reports are no longer included, and a number of other urban places have been added.

Urban places other than incorporated cities for which vital statistics data are shown in this volume include the following:

- Each town in New England, New York, and Wisconsin and each township in Michigan, New Jersey, and Pennsylvania that had no incorporated municipality as a subdivision and had either 25,000 inhabitants or more or a population of 10,000 to 25,000 and a density of 1,000 persons or more per square mile.
- Each county in States other than those indicated above that had no incorporated municipality within its boundary and had a density of 1,000 persons or more per square mile. (Arlington County, Virginia, is the only county classified as urban under this rule.)
- Each place in Hawaii with 10,000 or more population, as there are no incorporated cities in the State.

Before 1964, places were classified as "urban" or "rural." The Technical Appendixes for earlier years discuss the previous classification system.

### State or country of birth

Mortality statistics by State or country of birth (table 1-33) became available beginning with 1979. State or country of birth of a decedent is assigned to 1 of the 50 States or the District of Columbia; or to Puerto Rico, the Virgin Islands, or Guam—if specified on the death certificate. The place of birth is also tabulated for Canada, Cuba, Mexico, and for the Remainder of the World. Deaths for which information on State or country of birth was unknown, not stated, or not classifiable accounted for a small proportion of all deaths in 1988, about 0.6 percent.

Early mortality reports published by the U.S. Bureau of the Census contained tables showing nativity of parents as well as nativity of decedent. Publication of these tables was discontinued in 1933. Mortality data showing nativity of decedent were again published in annual reports for 1939–41 and for 1950.

### Age

The age recorded on the death record is the age at last birthday. With respect to the computation of death rates, the

age classification used by the U.S. Bureau of the Census is also based on the age of the person in completed years.

For computation of age-specific and age-adjusted death rates, deaths with age not stated are excluded. For life table computation, deaths with age not stated are distributed proportionately.

## Race

For vital statistics in the United States in 1988, deaths are classified by race—white, black, American Indian, Chinese, Hawaiian, Japanese, Filipino, Other Asian or Pacific Islander, and Other. Mortality data for Filipino and Other Asian or Pacific Islander were shown for the first time in 1979.

The white category includes, in addition to persons reported as white, those reported as Mexican, Puerto Rican, Cuban, and all other Caucasians. The American Indian category includes American, Alaskan, Canadian, Eskimo, and Aleut. If the racial entry on the death certificate indicates a mixture of Hawaiian and any other race, the entry is coded to Hawaiian. If the race is given as a mixture of white and any other race, the entry is coded to the appropriate other race. If a mixture of races other than white is given (except Hawaiian), the entry is coded to the first race listed. This procedure for coding the first race listed has been in use since 1969. Before 1969, if the entry for race was a mixture of black and any other race except Hawaiian, the entry was coded to black.

Most of the tables in this volume, however, do not show data for this detailed classification by race. In about half of all the tables the divisions are white, all other (including black), and black separately. In other tables by race, where the main purpose is to isolate the major groups, the classifications are simply white and all other.

*Race not stated*—For 1988 the number of death records for which race was unknown, not stated, or not classifiable was 4,094, or 0.2 percent of the total deaths. Death records with race entry not stated are assigned to a racial designation as follows: If the preceding record is coded white, the code assignment is made to white; if the code is other than white, the assignment is made to black. Before 1964 all records with race not stated were assigned to white except records of residents of New Jersey for 1962–64.

*New Jersey, 1962–64*—New Jersey omitted the race item from its certificates of live birth, death, and fetal death in use in the beginning of 1962. The item was restored during the latter part of 1962. However, the certificate revision without the race item was used for most of 1962 as well as 1963. Therefore figures by race for 1962 and 1963 exclude New Jersey. For 1964, 6.8 percent of the death records in use for residents of New Jersey did not contain the race item.

Adjustments made in vital statistics to take into account the omission of the race item in New Jersey for part of the certificates filed during 1962 through 1964 are described in the Technical Appendix of *Vital Statistics of the United States* for each of those data years.

## Hispanic origin

Mortality statistics for the Hispanic-origin population are based on information for those States and the District of Columbia that included items on the death certificate to identify Hispanic or ethnic origin of decedents. Data for 1988 were obtained from the District of Columbia and the following 29 States: Alabama, Arizona, Arkansas, California, Colorado, Georgia, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maine, Mississippi, Montana, Nebraska, Nevada, New Jersey, New Mexico, New York (including New York City), North Carolina, North Dakota, Ohio, Oregon, Rhode Island, Tennessee, Texas, Utah, Washington, and Wyoming.

Hispanic mortality data were published for the first time in 1984. Generally, the reporting States used items similar to one of two basic formats recommended by NCHS. The first format is open-ended to obtain the specific origin or descent of the decedent (for example, Italian, Mexican, Puerto Rican, English, and Cuban). The second format is directed specifically toward the Hispanic population and asks whether the decedent is of Spanish origin. If so, the specific origin—for example, Mexican, Puerto Rican, or Cuban—is to be indicated.

For 1988, mortality data in tables 1-34 and 2-18 are based on deaths to residents of all 29 reporting States and the District of Columbia. In tables 1-35, 1-40, and 1-41, general mortality data for the Hispanic-origin population are based on deaths to residents of 26 reporting States and the District of Columbia whose data were at least 90 percent complete on a place-of-occurrence basis and considered to be sufficiently comparable to be used for analysis. The 26 States are as follows: Alabama, Arizona, Arkansas, California, Colorado, Georgia, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maine, Mississippi, Montana, Nebraska, New Jersey, New York (including New York City), North Carolina, North Dakota, Ohio, Oregon, Rhode Island, Texas, Utah, Washington, and Wyoming. Excluded from these tables are data for New Mexico, because the format for the Hispanic item on the New Mexico death certificate departs sufficiently from that of other areas to result in noncomparable data. In addition, in tables 1-34 and 2-18 for New Mexico, no deaths are shown for the category "not stated" origin. Because of the way in which the item on the death certificate for New Mexico is worded, it was not possible to determine whether a blank entry represented a response of "non-Hispanic origin" or of "unknown origin." Accordingly, blank entries were coded to "non-Hispanic." Data for two other States—Nevada and Tennessee—are excluded from tables 1-35, 1-40, and 1-41 because of the large proportion of deaths (in excess of 10 percent) occurring in these States for which Hispanic origin was not stated or was unknown.

In tables 2-19, 2-20, 2-21, and 2-22, the reporting area is based on deaths to residents of 23 reporting States and the District of Columbia whose mortality data for all ages and whose live birth data were at least 90 percent complete on a place-of-occurrence basis and considered to be sufficiently comparable to be used for analysis. The 23 States are as follows: Alabama, Arizona, Arkansas, California, Colorado, Georgia,

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Hawaii, Illinois, Indiana, Kansas, Kentucky, Maine, Mississippi, Montana, Nebraska, New Jersey, New York (including New York City), North Carolina, North Dakota, Ohio, Texas, Utah, and Washington. Data for New Mexico, Nevada, and Tennessee were excluded for the reasons stated above. Oregon and Rhode Island were excluded because their live birth certificates did not include an item to identify Hispanic or ethnic origin. Wyoming was excluded because of the large proportion of live births (in excess of 10 percent) for which Hispanic origin was not stated or was unknown.

The 26 reporting States and the District of Columbia for which general mortality data are shown in this report accounted for about 82 percent of the Hispanic population in the United States in 1980. This included about 91 percent of the Mexican population, 79 percent of the Puerto Rican population, 35 percent of the Cuban population, and 72 percent of the "Other Hispanic" population (9). The 23 reporting States and the District of Columbia for which Hispanic infant mortality data are shown in this report accounted for about 81 percent of the Hispanic population, including about 90 percent of the Mexican population, 79 percent of the Puerto Rican population, 35 percent of the Cuban population, and 71 percent of the "Other Hispanic" population. Accordingly, caution should be exercised in generalizing mortality patterns from the reporting area to the Hispanic-origin population (especially Cubans) of the entire United States. For qualifications regarding infant mortality of the Hispanic-origin population, see "Infant deaths."

### Marital status

Mortality statistics by marital status (table 1-32) were published in 1979 for the first time since 1961. (Previously they had been published in the annual volumes for the years 1949-51 and 1959-61.) Several reports analyzing mortality by marital status have been published, including the special study based on 1959-61 data (10). Reference to earlier reports is given in the appendix of part B of the 1959-61 special study.

Mortality statistics by marital status are tabulated separately for never married, married, widowed, and divorced. Certificates in which the marriage is specified as being annulled are classified as never married. Where marital status is specified as separated or common-law marriage, it is classified as married. Of the 2,112,148 resident death certificates for residents 15 years of age and over in 1988, 12,603 certificates (0.6 percent) had marital status not stated.

### Place of death and status of decedent

Mortality statistics by place of death were published in 1979 for the first time since 1958 (tables 1-29 and 1-30). In addition, mortality data were also available for the first time in 1979 for the status of decedent when death occurred in a hospital or medical center (table 1-29). These data were obtained from the following two items that appear on the U.S. Standard Certificate of Death:

- Item 7c. Hospital or Other Institution—Name (If not in either, give street and number)

- Item 7d. If Hosp. or Inst. Indicate DOA, OP/Emer. Rm., Inpatient (Specify)

All of the States and the District of Columbia have item 7c (or its equivalent) on the death certificate. For all States and the District of Columbia in the Vital Statistics Cooperative Program, NCHS accepts the State definition, classification, or code for hospitals, medical centers, or other institutions.

Table 1-29 shows mortality data for the total of the following 44 States (including New York City) that have item 7d or its equivalent on their death certificates:

Alabama	Nebraska
Alaska	Nevada
Arizona	New Hampshire
Arkansas	New Jersey
Colorado	New Mexico
Connecticut	New York
Florida	North Carolina
Georgia	North Dakota
Hawaii	Ohio
Idaho	Oregon
Illinois	Pennsylvania
Indiana	Rhode Island
Iowa	South Carolina
Kansas	South Dakota
Kentucky	Tennessee
Louisiana	Utah
Maine	Vermont
Michigan	Virginia
Minnesota	Washington
Mississippi	West Virginia
Missouri	Wisconsin
Montana	Wyoming

Effective with data for 1980, the coding of place of death and status of decedent was changed. A new coding category was added: "Death on arrival—hospital, clinic, medical center name not given." Deaths coded to this category are tabulated in table 1-29 as "Dead on arrival" and in table 1-30 as "Not in hospital or medical center." Had the 1979 coding categories been used, these deaths would have been tabulated as "Place unknown."

### Mortality by month and date of death

Deaths by month have been regularly tabulated and published in the annual volume for each year beginning with data year 1900. For 1988, deaths by month are shown in tables 1-20, 1-21, 1-24, 1-31, 2-12, 2-13, 2-14, and 3-9.

Date of death was first published for data year 1972. In addition, unpublished data for selected causes by date of death for 1962 are available from NCHS.

Numbers of deaths by date of death in this volume are shown in table 1-31 for the total number of deaths and for the number of deaths for the following three causes, for which the greatest interest in date of occurrence of death has been expressed: Motor vehicle accidents, Suicide, and Homicide and legal intervention.

These data show the frequency distribution of deaths for the selected causes by day of week. They also make it possible to identify holidays with peak numbers of deaths from specified causes.

### Report of autopsy

Before 1972, the last year for which autopsy data were tabulated was 1958. Beginning in 1972, all registration areas requested information on the death certificate as to whether an autopsy was performed. For 1988, autopsies were reported on 251,095 death certificates, 11.6 percent of the total (table 1-28).

Information as to whether the autopsy findings were used in determining the cause of death was tabulated for 1972-73 for all but nine registration areas and from 1974-77 for all but eight registration areas. The item "autopsy findings used" was deleted from the 1978 U.S. Standard Certificate of Death.

For 10 of the cause-of-death categories shown in table 1-28, autopsies were reported as performed for 50 percent or more of all deaths (Shigellosis and amebiasis; Whooping cough; Meningococcal infection; Acute poliomyelitis; Pregnancy with abortive outcome; Other complications of pregnancy, childbirth, and the puerperium; Motor vehicle accidents; Suicide; Homicide and legal intervention; and All other external causes). There were two other categories for which 40 percent or more of the death certificates reported autopsies. Autopsies were reported for only 7.3 percent of the Major cardiovascular diseases.

### Cause of death

*Cause-of-death classification*—Since 1949, cause-of-death statistics have been based on the underlying cause of death, which is defined as "(a) the disease or injury which initiated the train of events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury" (11).

For each death the underlying cause is selected from an array of conditions reported in the medical certification section on the death certificate. This section provides a format for entering the causes of death in a sequential order. These conditions are translated into medical codes through use of the classification structure and the selection and modification rules contained in the applicable revision of the *International Classification of Diseases (ICD)* published by the World Health Organization (WHO). Selection rules provide guidance for systematically identifying the underlying cause of death. Modification rules are intended to improve the usefulness of mortality statistics by giving preference to certain classification categories over others and/or to consolidate two or more conditions on the certificate into a single classification category.

As a statistical datum, underlying cause of death is a simple, one-dimensional statistic; it is conceptually easy to understand and a well-accepted measure of mortality. It identifies the initiating cause of death and is therefore most useful to public health officials in developing measures to prevent the start of the chain of events leading to death. The rules for selecting the underlying cause of death are included in ICD as a means of standardizing classification, which

contributes toward comparability and uniformity in mortality medical statistics among countries.

*Tabulation lists*—Beginning with data year 1979, the cause-of-death statistics published by NCHS have been classified according to the Ninth Revision of the *International Classification of Diseases (ICD-9)* (11). In addition to specifying that ICD-9 be used, WHO also recommends how the data should be tabulated in order to promote international comparability. The recommended system for tabulating data in the Ninth Revision allows countries to construct their own mortality and morbidity tabulation lists from the rubrics of the WHO Basic Tabulation List as long as rubrics from the WHO mortality and morbidity lists, respectively, are included. This tabulation system for the Ninth Revision is more flexible than that of the Eighth Revision, in which specific lists were recommended for tabulating mortality and morbidity data.

The Basic Tabulation List (BTL) recommended under the Ninth Revision consists of 57 two-digit rubrics that add to the "all causes" total. Within each two-digit rubric, up to 9 three-digit rubrics numbered from 0 to 8 are identified, but these do not add to the total of the two-digit rubric. The two-digit BTL rubrics 01 through 46 provide for the tabulation of nonviolent deaths according to ICD categories 001-799. Rubrics relating to chapter 17 (nature-of-injury causes 47 through 56) are not used by NCHS for selecting underlying cause of death; rather, preference is given to rubrics E47 through E56. The 57th two-digit rubric VO is the Supplementary Classification of Factors Influencing Health Status and Contact with Health Services and is not appropriate for the tabulation of mortality data. The WHO Mortality List, a subset of the titles contained in the BTL, consists of 50 rubrics that are the minimum necessary for the national display of mortality data.

Five lists of causes have been developed for tabulation and publication of mortality data in this volume: The Each-Cause List, List of 282 Selected Causes of Death, List of 72 Selected Causes of Death, List of 61 Selected Causes of Infant Death, and List of 34 Selected Causes of Death. These lists were designed to be as comparable as possible with the NCHS lists more recently in use under the Eighth Revision. However, complete comparability could not always be achieved.

The Each-Cause List is made up of each three-digit category of the WHO Detailed List to which deaths may be validly assigned and most four-digit subcategories. The list is used for tabulation for the entire United States. The published Each-Cause table does not show the four-digit subcategories provided for Motor vehicle accidents (E810-E825); however, these subcategories, which identify persons injured, are shown in the accident tables of this report (section 5). Special fifth-digit subcategories are also used in the accident tables to identify place of accident when deaths from nontransport accidents are shown. These are not shown in the Each-Cause table.

The List of 282 Selected Causes of Death is constructed from BTL rubrics 01-46 and E47-E56. Each of the 56 BTL two-digit titles can be obtained either directly or by combining titles in the List. The three-digit level of the BTL is modified more extensively. Where more detail was desired, categories not shown in the three-digit rubrics were added to the List of

282 Selected Causes of Death. Where less detail was needed, the three-digit rubrics were combined. Moreover, each of the 50 rubrics of the WHO Mortality List can be obtained from the List of 282 Selected Causes of Death.

The List of 72 Selected Causes of Death was constructed by combining titles in the List of 282 Selected Causes of Death. It is used in tables published for the United States and each State, and for standard metropolitan statistical areas.

The List of 61 Selected Causes of Infant Death shows more detailed titles for Congenital anomalies and Certain conditions originating in the perinatal period than any other list except the Each-Cause List.

The List of 34 Selected Causes of Death was created by combining titles in the List of 72 Selected Causes. A table using this list is published for detailed geographic areas.

Beginning with data for 1987, changes were made in these lists to accommodate the introduction in the United States of new category numbers \*042–\*044 for Human immunodeficiency virus infection. The changes are described in the Technical Appendix From *Vital Statistics of the United States, 1987*.

*Effect of list revisions*—The International Lists, or adaptations of them, in use in this country since 1900, have been revised approximately every 10 years so that the disease classifications may be consistent with advances in medical science and with changes in diagnostic practice. Each revision of the International Lists have produced some break in comparability of cause-of-death statistics. Cause-of-death statistics beginning with 1979 are classified by NCHS according to the ICD-9 (11). For a discussion of each of the classifications used with death statistics since 1900, see the Technical Appendix From *Vital Statistics of the United States, 1979*, Volume II, Mortality, Part A, Section 7, pages 9–14.

A dual coding study was undertaken comparing the Ninth and the Eighth Revisions to measure the extent of discontinuity in cause-of-death statistics resulting from introducing the new Revision. A study for the List of 72 Selected Causes of Death and the List of 10 Selected Causes of Infant Death has been published (12). The List of 10 Selected Causes of Infant Death is a basic NCHS tabulation list not used in this volume but used for provisional data in the *Monthly Vital Statistics Report*, another NCHS publication. Comparability studies were also undertaken between the Eighth and Seventh, Seventh and Sixth, and Sixth and Fifth Revisions. For additional information about these studies, see the 1979 Technical Appendix.

*Significant coding changes under the Ninth Revision*—Since the implementation of ICD-9 in the United States, effective with mortality data for 1979, several coding changes have been introduced. The more important changes are discussed below. In early 1983, a change was made in the coding of acquired immunodeficiency syndrome (AIDS) and human immunodeficiency virus (HIV) infection, which affected data from 1981 to 1986. Also effective with data year 1981 was a coding change for poliomyelitis. For data year 1982, a change was made in the definition of child (which affects the classification of deaths to a number of categories, including Child battering and other maltreatment), and in guidelines for coding deaths to the category Child battering and other maltreatment (ICD No. E967). During the calendar year 1985, detailed instructions

for coding motor vehicle accidents involving all-terrain vehicles (ATV's) were implemented to ensure consistency in coding these accidents. Effective with data year 1986, "primary" and "invasive" tumors, unspecified, were classified as "malignant"; these neoplasms had previously been classified to Neoplasms of unspecified nature (ICD-9 No. 239).

Beginning with data for 1987, NCHS introduced new category numbers \*042–\*044 for classifying and coding Human immunodeficiency virus (HIV) infection, formerly referred to as human T-cell lymphotropic virus-III/lymphadenopathy-associated virus (HTLV-III/LAV) infection. The asterisk before the category numbers indicates that these codes are not part of the Ninth Revision. Also changed effective with data year 1987 were coding rules for the conditions "dehydration" and "disseminated intravascular coagulopathy." Detailed discussion of these changes may be found in the Technical Appendix for previous volumes.

*Coding in 1988*—The rules and instructions used in coding the 1988 mortality medical data remained essentially the same as those used for the 1987 data except for minor content changes to the classification for Human immunodeficiency virus (HIV) infection that had initially been implemented for United States mortality data beginning in data year 1987. The basic structure of the HIV classification, the codes and category titles within the classification, and the manner in which the codes may be used remained unchanged for data year 1988.

The 1988 modifications to the HIV classification included the addition of the following four clinical conditions to the "Includes only" notes under several categories: isosporosis (007.2) under \*042.0; diarrhea—noninfectious (558) and infectious (009)—under \*043.3; and lymphoid interstitial pneumonitis (516.8) under \*043.3. In addition, several other terms were considered synonymous with HIV infection, and the following was added under the category \*043.0:

enlarged lymph nodes (785.6) swollen glands (785.6)	}	Due to HIV infection
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Deaths classified to categories \*042–\*044 for 1988 are shown in Tables 1-36, 1-37, 1-38, 1-39, 1-40, 1-41, 2-22, and 2-23, and are also shown in the Each-Cause List in Table 1-23. Deaths classified to these categories are not shown separately in other tables showing cause-of-death data.

*Medical certification*—The use of a standard classification list, although essential for State, regional, and international comparison, does not assure strict comparability of the tabulated figures. A high degree of comparability between areas could be attained only if all records of cause of death were reported with equal accuracy and completeness. The medical certification of cause of death can be made only by a qualified person, usually a physician, a medical examiner, or a coroner. Therefore, the reliability and accuracy of cause-of-death statistics are, to a large extent, governed by the ability of the certifier to make the proper diagnosis and by the care with which he or she records this information on the death certificate.

A number of studies have been undertaken on the quality of medical certification on the death certificate. In general, these have been for relatively small samples and for limited geographic areas. A bibliography prepared by NCHS (13),



covering 128 references over a period of 23 years, indicates that no definitive conclusions have been reached about the quality of medical certification on the death certificate. No country has a well-defined program for systematically assessing the quality of medical certifications reported on death certificates or for measuring the error effects on the levels and trends of cause-of-death statistics.

One index of the quality of reporting causes of death is the proportion of death certificates coded to the Ninth Revision Chapter XVI Symptoms, signs, and ill-defined conditions (ICD-9 Nos. 780-799). Although there are deaths for which it is not possible to determine the cause, this proportion indicates the care and consideration given to the certification by the medical certifier. It may also be used as a rough measure of the specificity of the medical diagnoses made by the certifier in various areas. In 1988, 1.4 percent of all reported deaths in the United States were assigned to ill-defined or unknown causes, a slight decrease from 1.5 in 1987. However, in 1988 this percentage varied among the States from 0.4 percent to 4.1 percent. Although the percent for the United States for all ages combined has generally remained stable since 1979, declines have occurred for persons in age groups 55-64 years and 65-74 years, whereas increases have occurred for persons in age groups under 45 years. However, between 1987 and 1988, the percent decreased for almost all age groups.

*Automated selection of underlying cause of death*—Beginning with data year 1968, NCHS began using a computer system for assigning the underlying cause of death. It has been used every year since. The system is called "Automated Classification of Medical Entities" (ACME).

The ACME system applies the same rules for selecting the underlying cause as would be applied manually by a nosologist; however, under this system, the computer consistently applies the same criteria, thus eliminating intercoder variation in this step of the process.

The ACME computer program requires the coding of all conditions shown on the medical certification. These codes are matched automatically against decision tables that consistently select the underlying cause of death for each record according to the international rules. The decision tables provide the comprehensive relationships between the conditions classified by ICD when applying the rules of selection and modification.

The decision tables were developed by NCHS staff on the basis of their experience in coding underlying causes of death under the earlier manual coding system and as a result of periodic independent validations. These tables are periodically updated to reflect additional new information on the relationship among medical conditions. For data year 1988 these tables were amended to incorporate minor changes to the previously mentioned classification for Human immunodeficiency virus infection (\*042-\*044) that had originally been implemented with data year 1987. Coding procedures for selecting the underlying cause of death by using the ACME computer program, as well as by using the ACME decision tables, are documented in NCHS instruction manuals (14-16).

*Cause-of-death ranking*—Cause-of-death ranking (except for infants) is based on the List of 72 Selected Causes of Death and the category Human immunodeficiency virus infection (HIV

infection) (\*042-\*044); cause-of-death ranking for infants is based on the List of 61 Selected Causes of Infant Death and HIV infection. HIV infection was added to the list of rankable causes effective with data year 1987.

The group titles Major cardiovascular diseases and Symptoms, signs, and ill-defined conditions from the List of 72 Selected Causes of Death are not ranked, and Certain conditions originating in the perinatal period and Symptoms, signs, and ill-defined conditions from the List of 61 Selected Causes of Infant Death are not ranked. In addition, category titles that begin with the words "Other" or "All other" are not ranked to determine the leading causes of death. When one of the titles that represents a subtotal is ranked (such as Tuberculosis), its component parts (in this case, Tuberculosis of respiratory system and Other tuberculosis) are not ranked.

### Maternal deaths

Maternal deaths are those for which the certifying physician has designated a maternal condition as the underlying cause of death. Maternal conditions are those assigned to Complications of pregnancy, childbirth, and the puerperium (ICD-9 Nos. 630-676). In the Ninth Revision, WHO for the first time defined a maternal death as follows:

A maternal death is defined as the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management but not from accidental or incidental causes.

Under the Eighth Revision, maternal deaths were assigned to the category "Complications of pregnancy, childbirth, and the puerperium" (ICDA-8 Nos. 630-678). Although WHO did not define maternal mortality, there was an NCHS classification rule that limited a maternal death to a death within a year after termination of pregnancy from any "maternal cause," that is, any cause within the range of ICDA-8 Nos. 630-678. This rule applied only if a duration of time for the condition was given. If no duration was specified and the underlying cause of death was a maternal condition, then the duration was assumed to be within a year and the death was coded by NCHS as a maternal death. The change from an under-1-year limitation on duration used in the Eighth Revision to an under-42-days limitation used in the Ninth Revision did not have much effect on the comparability of maternal mortality statistics. However, comparability was affected by the following classification change. Under the Ninth Revision, maternal causes have been expanded to include Indirect obstetric causes (ICD-9 Nos. 647-648). These causes include Infective and parasitic conditions as well as other current conditions in the mother that are classifiable elsewhere but that complicate pregnancy, childbirth, and the puerperium, such as Syphilis, Tuberculosis, Diabetes mellitus, Drug dependence, and Congenital cardiovascular disorders.

Maternal mortality rates are computed on the basis of the number of live births. The maternal mortality rate indicates the likelihood that a pregnant woman will die of maternal causes.

The number of live births used in the denominator is an approximation of the population of pregnant women who are at risk of a maternal death.

### Infant deaths

*Age*—Infant death is defined as a death under 1 year of age. The term excludes fetal deaths. Infant deaths are usually divided into two categories according to age, neonatal and postneonatal. Neonatal deaths are those that occur during the first 27 days of life; postneonatal deaths are those that occur between 28 days and 1 year of age. It has generally been believed that different factors influencing the child's survival predominate in these two periods: Factors associated with prenatal development, heredity, and the birth process were considered dominant in the neonatal period; environmental factors, such as nutrition, hygiene, and accidents, were considered more important in the postneonatal period. Recently, however, the distinction between these two periods has blurred due in part to advances in neonatology, which have enabled more very small premature infants to survive the neonatal period.

*Rates*—Infant mortality rates shown in section 2 and section 8 are the most commonly used index for measuring the risk of dying during the first year of life; they are calculated by dividing the number of infant deaths in a calendar year by the number of live births registered for the same period and are presented as rates per 1,000 or per 100,000 live births. Infant mortality rates use the number of live births in the denominator to approximate the population at risk of dying before the first birthday. This measure is an approximation because some live births will not have been exposed to full year's risk of dying and some of the infants who die during a year will have been born in the previous year. The error introduced in the infant mortality rate by this inexactness is usually small, especially when the birth rate is relatively constant from year to year (17,18). Other sources of error in the infant mortality rate have been attributed to differences in applying the definitions for infant death and fetal death when registering the event (19,20).

In contrast to infant mortality rates based on live births, infant death rates shown in Section 1 are based on the estimated population under 1 year of age. Infant death rates, which appear in tabulations of age-specific death rates, are calculated by dividing the number of infant deaths in a calendar year by the estimated midyear population of persons under 1 year of age, and are presented as rates per 100,000 population in this age group. Patterns and trends in the infant death rate may differ somewhat from those of the more commonly used "infant mortality rate," mainly because of differences in the nature of the denominator and in the time reference period. Whereas the population denominator for the infant death rate is estimated using data on births, infant deaths, and migration for the 12-month period of July through June, the denominator for the infant mortality rate is a count of births occurring during the 12 months of January through December. The difference in the time reference period can result in different trends between the two indices during periods when birth rates are moving up or down markedly.

The infant death rate is also subject to greater imprecision than is the infant mortality rate because of problems of enumerating and estimating the population under 1 year of age (20).

*Race*—Infant mortality rates for specified races other than white or black may be understated, based on results of studies in which race on the birth and death certificates for the same infant were compared (21). In the computation of regular race-specific infant mortality rates, the race item for the numerator comes from the death certificate, and for the denominator, from the birth certificate. Understatement may arise because of possible inconsistencies in reporting race between the death and birth certificates. Differences exist in the nature of reporting and processing race on these two vital records. With respect to reporting, race of parents is reported on the birth certificate by the mother at the time of delivery; whereas on the death certificate, race of the deceased infant is reported by the funeral director based on observation or on information supplied by an informant, such as a parent. With respect to processing, race of infant at birth is coded using coding rules that take account of the race of each parent (see the Technical Appendix From *Vital Statistics of the United States, 1988*, Volume I, Natality, section titled "Race or national origin"); whereas race of infant decedent is coded directly from the race item as reported on the death certificate. There is a tendency for race of infant that was reported, for example, as American Indian or other specific race other than white at the time of birth to be reported as white at the time of death, resulting in understatement of infant mortality rates for smaller race groups.

Estimates are made below of the degree of reporting bias in race-specific infant mortality rates by comparing two rates that differ in terms of the source of information about race of the decedent (22,23). The two rates are as follows: the birth cohort rate, based on data from the national linked birth and infant death data set, and the period rate, based on mortality and natality data for the same year(s). For the birth cohort, the race is that which is reported at the time of birth for the deceased infant and is the standard against which the race that is reported at the time of death is compared.

The comparison of cohort and period rates is affected slightly by small differences in the events included in the numerators of the two rates. Thus, the numerator of the cohort rate is comprised of infant deaths to the cohort of infants born in a calendar year, whereas the numerator of the period rate is comprised of infant deaths that occur in the calendar year.

Based on a comparison of infant mortality rates from the linked data set for the birth cohorts of 1983–85 with rates from the annual files for the 1983–85 period, bias in the rates for the two major race groups—the white and the black populations—is small. In contrast, period rates for the smaller race groups are estimated to be understated by between 21 and 44 percent, shown in table A.

Because of these differences in race-specific infant mortality rates, one should use, if possible, data from the national linked birth and infant death data set to measure infant mortality for the smaller race groups.

*Hispanic origin*—Infant mortality rates for the Hispanic-origin population are based on numbers of resident infant deaths reported to be of Hispanic origin (see section "Hispanic

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**Table A. Infant mortality rates by race for period 1983–85 and for birth cohorts, 1983–85; and percent difference between period and birth cohort rates, by race: United States**  
 [Rates per 1,000 live births in specified group]

Race	Period 1983–85	Birth cohorts 1983–85	
		Rate	Percent difference <sup>1</sup>
All races .....	10.9	10.6	-2.67
White .....	9.5	9.0	-5.01
Black .....	18.6	18.4	-1.01
Indian .....	9.7	13.1	25.70
Chinese .....	5.7	7.2	21.01
Japanese .....	4.3	6.6	34.45
Filipino .....	4.7	8.3	43.15
Other Asian .....	6.9	8.9	23.15
Other nonwhite .....	6.7	11.8	43.59

<sup>1</sup>Percent difference = (1 - period rate/cohort rate) x 100

origin”) and numbers of resident live births by Hispanic origin of mother for the 23 reporting States and the District of Columbia. In computing infant mortality rates, deaths and live births of unknown origin are not distributed among the specified Hispanic and non-Hispanic groups. Because the percent of infant deaths of unknown origin for 1988 was 6.7 percent and the percent of live births of unknown origin was 2.8 percent, infant mortality rates by specified Hispanic origin and race for non-Hispanic origin are underestimated. In addition, infant mortality rates for specific Hispanic-origin groups are believed to include biases similar to those described above for specified races; however, precise estimates are not yet available.

Small numbers of infant deaths for specific Hispanic-origin groups can result in infant mortality rates subject to relatively large random variation (see section “Random variation in numbers of deaths, death rates, and mortality rates and ratios”).

**Tabulation list**—Causes of death for infants are tabulated according to a list of causes that is different from the list of causes for the population of all ages, except for the Each-Cause List. (See section “Cause-of-death classification.”)

**California**—Data on age at death for California, as shown in table 2-11, are biased in the categories 1–23 hours and 1 day because of processing errors that affected selected infants who died within 24 hours after birth, for each of the years 1985 through 1988. The degree of bias can be estimated by comparing the percents of infant deaths in these two age groups in the period before the error occurred, 1983–84, with the subsequent period, 1985–88, as follows:

Age of infant	1983–84	1985–88
	Percent distribution	
All infants .....	100.00	100.00
1-23 hours .....	27.72	19.58
1 day .....	5.49	10.51
All other ages .....	66.80	69.91

Beginning with 1985 data, California provided NCHS with computer tapes of precoded mortality data through the Vital

Statistics Cooperative Program (VSCP); whereas prior to 1985, data from the State of California were based on information coded by NCHS from copies of original death certificates. The effect of these errors on national data for the years 1985–88, shown in tables 2-2, 2-3, 2-12, and 2-16, is negligible. The problem has been identified and corrected for subsequent years.

**Fetal deaths**

In May 1950, the World Health Organization (WHO) recommended that the following definition of fetal death be adopted for international use:

Death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy; the death is indicated by the fact that after such separation, the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles (24).

The term “fetal death” was defined on an all-inclusive basis to end confusion arising from use of such terms as stillbirth, abortion, and miscarriage.

Shortly thereafter, this definition of fetal death was adopted by the National Center for Health Statistics (NCHS) as the nationally recommended standard. Currently all registration areas except Puerto Rico have definitions similar to the standard definition (25). Puerto Rico has no formal definition.

As another step toward increasing the comparability of data on fetal deaths for different countries, WHO recommended that for statistical purposes fetal deaths be classified as early, intermediate, and late. These groups are defined as follows:

- Less than 20 completed weeks of gestation (early fetal deaths) . . . . . Group I
- 20 completed weeks of gestation but less than 28 (intermediate fetal deaths) . . . . . Group II
- 28 completed weeks of gestation and over (late fetal deaths) . . . . . Group III
- Gestation period not classifiable in groups I, II, and III . . . . . Group IV

Note that in table 3-13, group IV consists of fetal deaths with gestation not stated but presumed to be 20 weeks or more.

Until 1939 the nationally recommended procedure for registration of a fetal death required the filing of both a live-birth and a death certificate. In 1939 a separate Standard Certificate of Stillbirth (fetal death) was created to replace the former procedure. This was revised in 1949, 1955, 1956, and 1968. In 1978 the Standard Certificate of Fetal Death was replaced by the Standard Report of Fetal Death (figure 7-B).

The 1977 revision of the *Model State Vital Statistics Act and Model State Vital Statistics Regulations* (26) recommended that spontaneous fetal deaths at a gestation of 20 weeks or more or

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a weight of 350 grams or more and all induced terminations of pregnancy regardless of gestational age be reported and further that they be reported on separate forms. These forms are to be considered legally required statistical reports rather than legal documents.

Beginning with 1970 fetal deaths, procedures were implemented to separate reports of spontaneous fetal deaths from those of induced terminations of pregnancy. These procedures were implemented because the health implications are different for spontaneous fetal deaths than for induced terminations of pregnancy. These procedures are still in use.

*Comparability and completeness of data*—Registration area requirements for reporting fetal deaths vary. Most of these areas require reporting of fetal death at gestations of 20 weeks or more. Table B shows the minimum period of gestation required by each State for fetal-death reporting. There is substantial evidence that not all fetal deaths for which reporting is required are reported (27).

Underreporting of fetal deaths is most likely to occur in the earlier part of the required reporting period for each State. Thus, for States requiring reporting of all periods of gestation, fetal deaths occurring at younger gestational ages are less completely reported. The reporting of fetal deaths at 20–23 weeks of gestation may be more complete for those States that report fetal deaths at all periods of gestation than for others.

To maximize the comparability of data by year and by State, most of the tables in section 3 are based on fetal deaths occurring at gestations of 20 weeks or more. These tables also include fetal deaths for which gestation is not stated for those States requiring reporting at 20 weeks or more only. Beginning with 1969, fetal deaths of not-stated gestation were excluded for States requiring reporting of all products of conception except those with a stated birth weight of 500 grams or more. In 1988 this rule was applied to the following States: Colorado, Georgia, Hawaii, New York (including New York City), Rhode Island, and Virginia. Each year there are some exceptions to this procedure.

The data in table 3-3 include only fetal deaths to residents of selected areas in the United States that reported all periods of gestation. The areas are Colorado, Georgia, Hawaii, New York (including New York City), Rhode Island, and Virginia; excluded are fetal deaths to residents of Maine.

*Arkansas*—Since 1971, Arkansas has been using two reporting forms for fetal deaths: A confidential Spontaneous Abortion form that is not sent to the National Center for Health Statistics (NCHS) and a Fetal Death Certificate that is. During the period 1971 through 1980, it is believed that most spontaneous fetal deaths of less than 20 weeks' gestation were reported on the confidential form and, therefore, were not reported to NCHS. During the period 1981 through 1983, Arkansas specified that fetal deaths of less than 28 weeks' gestation or weighing less than 1,000 grams could be reported on the confidential form; beginning with 1984 data, the State specified that fetal deaths of 20 weeks' gestation or weighing 500 grams be reported on the Fetal Death Certificate. Because of these changes, the comparability of counts of early fetal deaths may be affected. In particular, counts of fetal deaths at 20 to 27 weeks for 1981–83 were not comparable between

Arkansas and other reporting areas or with Arkansas data for 1984–88. It is believed that reporting has improved but is still not comparable with data for 1980 and earlier years.

*Maine*—Maine uses two reporting forms for fetal deaths: A Report of Abortion (Spontaneous and Induced) and a Report of Fetal Death. Most spontaneous fetal deaths at less than 20 weeks' gestation are reported on the Report of Abortion, and, therefore, are excluded from fetal death counts in this volume.

*Missouri*—Beginning in 1984, Missouri changed its reporting requirements for spontaneous fetal deaths from "after 20 weeks" to "after 20 weeks or a weight of 350 grams or more."

*Wisconsin*—Beginning in 1986, Wisconsin changed its reporting requirements for spontaneous fetal deaths from "20 weeks" to "20 weeks or 350 grams."

*Period of gestation*—The period of gestation is the number of completed weeks elapsed between the first day of the last normal menstrual period (LMP) and the date of delivery. The first day of the LMP is used as the initial date because it can be more accurately determined than the date of conception, which usually occurs 2 weeks after the LMP. Data on period of gestation are computed from information on "date of delivery" and "date last normal menses began." If "date last normal menses began" is not on the record or the calculated gestation falls beyond a duration considered biologically plausible, "gestation in weeks" or "Physician's estimate of gestation" is used. When the period of gestation is reported in months on the report, it is allocated to gestational intervals in weeks, as follows:

- 1–3 months to under 16 weeks
- 4 months to 16–19 weeks
- 5 months to 20–23 weeks
- 6 months to 24–27 weeks
- 7 months to 28–31 weeks
- 8 months to 32–35 weeks
- 9 months to 40 weeks
- 10 months and over to 43 weeks and over

All areas reported LMP in 1988 except Delaware, New Mexico, Puerto Rico, and South Dakota.

*Birth weight*—Most of the 55 registration areas do not specify how weight should be given, that is, in pounds and ounces or in grams. In the tabulation and presentation of birth weight data, the metric system (grams) has been used to facilitate comparison with other data published in the United States and internationally. Birth weight specified in pounds and ounces is assigned the equivalent of the gram intervals, as follows:

- Less than 350 grams = 0 lb 12 oz or less
- 350–499 grams = 0 lb 13 oz – 1 lb 1 oz
- 500–999 grams = 1 lb 2 oz – 2 lb 3 oz
- 1,000–1,499 grams = 2 lb 4 oz – 3 lb 4 oz
- 1,500–1,999 grams = 3 lb 5 oz – 4 lb 6 oz
- 2,000–2,499 grams = 4 lb 7 oz – 5 lb 8 oz
- 2,500–2,999 grams = 5 lb 9 oz – 6 lb 9 oz
- 3,000–3,499 grams = 6 lb 10 oz – 7 lb 11 oz
- 3,500–3,999 grams = 7 lb 12 oz – 8 lb 13 oz

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Table B. Period of gestation at which fetal-death reporting is required: Each reporting area, 1988

Area	All periods of gestation	16 weeks	20 weeks	20 weeks or 350 grams	20 weeks or 400 grams	20 weeks or 500 grams	5 months	350 grams	500 grams
Alabama			X						
Alaska			X						
Arizona			<sup>1</sup> X						
Arkansas	X								
California			X						
Colorado	X								
Connecticut			X						
Delaware			X						
District of Columbia						X			
Florida			X						
Georgia	X								
Hawaii	X								
Idaho				X					
Illinois			X						
Indiana			X						
Iowa			X						
Kansas								X	
Kentucky				X					
Louisiana				X					
Maine	X								
Maryland			<sup>2</sup> X						
Massachusetts				X					
Michigan					X				
Minnesota			X						
Mississippi				X					
Missouri				X					
Montana			X						
Nebraska			X						
Nevada			X						
New Hampshire				X					
New Jersey			X						
New Mexico									X
New York									
New York excluding New York City	X								
New York City	X								
North Carolina			X						
North Dakota			X						
Ohio			X						
Oklahoma			X						
Oregon			<sup>3</sup> X						
Pennsylvania		X							
Rhode Island	X								
South Carolina				X					
South Dakota									X
Tennessee									<sup>4</sup> X
Texas			X						
Utah			X						
Vermont			<sup>5</sup> X						
Virginia	X								
Washington			X						
West Virginia			X						
Wisconsin				X					
Wyoming			X						

<sup>1</sup>If gestational age is unknown, weight of 350 grams or more.

<sup>2</sup>If gestational age is unknown, weight of 500 grams or more.

<sup>3</sup>If gestational age is unknown, weight of 400 grams or more, or crown-heel length of 28 centimeters or more.

<sup>4</sup>If weight is unknown, 22 completed weeks' gestation or more.

<sup>5</sup>If gestational age is unknown, weight of 400 or more grams, 15 or more ounces.

4,000–4,499 grams = 8 lb 14 oz – 9 lb 14 oz  
 4,500–4,999 grams = 9 lb 15 oz – 11 lb 0 oz  
 5,000 grams or more = 11 lb 1 oz or more

With the introduction of ICD-9, the birth-weight classification intervals for perinatal mortality statistics were shifted downward by 1 gram, as shown above. Previously, the intervals were, for example, 1,001–1,500; 1,501–2,000; and so forth.

**Race**—The race of the fetus is ordinarily classified based on the race of the parents. If the parents are of different races, the following rules apply: When only one parent is white, the fetus is assigned the other parent's race. When neither parent is white, the fetus is assigned the father's race, with one exception: If the mother is Hawaiian or part-Hawaiian, the fetus is classified as Hawaiian.

When the race of one parent is missing or ill defined, the race of the other determines that of the fetus. When the race of both parents is missing, the race of the fetus is allocated to the specific race of the fetus on the preceding record.

**Total-birth order**—Total-birth order refers to the sum of the live births and other terminations (including both spontaneous fetal deaths and induced terminations of pregnancy) that a woman has had, including the fetal death being recorded. For example, if a woman has previously given birth to two live babies and to one born dead, the next fetal death to occur is counted as number four in total-birth order.

In the 1978 revision of the Standard Report of Fetal Death, total-birth order is calculated from four items on pregnancy history: Number of previous live births, now living; number of previous live births, now dead; number of other terminations before 20 weeks; and number of other terminations after 20 weeks.

All registration areas use the two standard items pertaining to the number of previous live births. Most areas use the two standard items pertaining to the number of "other terminations" before and after 20 weeks' gestation, but some areas use other criteria. Total-birth order for all areas is calculated from the sum of available information. Thus, information on total-birth order may not be completely comparable among the registration areas.

**Marital status**—Table 3-4 shows fetal deaths and fetal-death ratios by mother's marital status. States excluded from this table are as follows: California, Connecticut, Maryland, Michigan, New York (including New York City), Ohio, Texas, and Vermont. Because live births comprise the denominator of the ratio, marital status must also be reported for mothers of live births. Marital status of the mother of the live birth is inferred for States that did not report it on the birth certificate.

There are no quantitative data on the characteristics of unmarried women who misreport their marital status or who fail to register fetal deaths. Underreporting may be greater for the unmarried group than for the married group.

**Age of mother**—The fetal-death report asks for the mother's "age (at time of delivery)," and the ages are edited in NCHS for upper and lower limits. When mothers are reported to be under 10 years of age or 50 years of age and over, the age of the mother is considered not stated and is assigned as follows: Age on all fetal-death records with age of mother not stated is allocated

according to the age appearing on the record previously processed for a mother of identical race and having the same total-birth order (total of live births and other terminations).

## Perinatal mortality

**Perinatal definitions**—Beginning with data year 1979, perinatal mortality data for the United States and each State have been published in section 4. The World Health Organization, in its ICD-9, recommends that "national perinatal statistics should include all fetuses and infants delivered weighing at least 500 grams (or when birth weight is unavailable, the corresponding gestational age (22 weeks) or body length (25 cm crown-heel)), whether alive or dead...." It further recommends that "countries should present, solely for international comparisons, 'standard perinatal statistics' in which both the numerator and denominator of all rates are restricted to fetuses and infants weighing 1,000 grams or more (or, where birth weight is unavailable, the corresponding gestational age (28 weeks) or body length (35 cm crown-heel))." Because birth weight and gestational age are not reported on the death certificate in the United States, NCHS was unable to recommend adopting these definitions. Three definitions of perinatal mortality are currently used by NCHS: Perinatal Definition I, generally used for international comparisons, which includes fetal deaths at 28 weeks' gestation or more and infant deaths of less than 7 days; Perinatal Definition II, which includes fetal deaths at 20 weeks' gestation or more and infant deaths of less than 28 days; and Perinatal Definition III, which includes fetal deaths at 20 weeks' gestation or more and infant deaths of less than 7 days.

Variations in fetal death reporting requirements and practices have implications for comparing perinatal rates among States. Because reporting is generally poorer near the lower limit of the reporting requirement, States that require reporting of all products of pregnancy regardless of gestation are likely to have more complete reporting of fetal deaths at 20 weeks or more than are other States. The larger number of fetal deaths reported by these "all periods" States may result in higher perinatal death rates than in States whose reporting is less complete. Accordingly, reporting completeness may account, in part, for differences among the State perinatal rates, particularly differences for Definitions II and III, which use data for fetal deaths at 20–27 weeks.

**Not stated**—Fetal deaths with gestational age not stated are presumed to be of 20 weeks' gestation or more if the State requires reporting of all fetal deaths at a gestational age of 20 weeks or more or the fetus weighed 500 grams or more in those States requiring reporting of all fetal deaths regardless of gestational age. For Definition I, fetal deaths at a gestation not stated but presumed to have been of 20 weeks or more are allocated to the category 28 weeks or more, according to the proportion of fetal deaths with stated gestational age that falls into that category. For Definitions II and III, fetal deaths at a presumed gestation of 20 weeks or more are included with those at a stated gestation of 20 weeks or more.

For all three definitions, following the distribution of gestation not stated described above, fetal deaths with not-stated sex are allocated within gestational age groups on the basis of the distribution of stated cases. The allocation of not-stated gestational age and sex for fetal deaths is made individually for each State, for metropolitan and nonmetropolitan areas, and separately for the United States as a whole. Accordingly, the sum of perinatal deaths for the areas according to Definition I may not equal the total number of perinatal deaths for the United States.

## QUALITY OF DATA

### Completeness of registration

All States have adopted laws that require the registration of births and deaths and the reporting of fetal deaths. It is believed that more than 99 percent of the births and deaths occurring in this country are registered.

Reporting requirements for fetal deaths vary somewhat from State to State (see "Comparability and completeness of data"). Overall reporting is not as complete for fetal deaths as for births and deaths, but it is believed to be relatively complete for fetal deaths at a gestation of 28 weeks or more. National statistical data on fetal deaths include only fetal deaths occurring at a stated or presumed gestation of 20 weeks or more.

### Massachusetts data

The 1964 statistics for deaths exclude approximately 6,000 events registered in Massachusetts, primarily to residents of that State. Microfilm copies of these records were not received by NCHS. Figures for the United States and the New England Division are also somewhat affected.

### Alabama data

The 1988 statistics for deaths show no deaths assigned to the City of Prattville in Autauga County. The death records that should have been assigned to this area were instead assigned to the Balance of County due to a processing error.

### Quality control procedures

*Demographic items on the death certificate*—As previously indicated, for 1988 the mortality data for these items were obtained from two sources: photocopies of the original certificates furnished by the Virgin Islands and Guam and records on data tape furnished by the 50 States, the District of Columbia, New York City, and Puerto Rico. For the Virgin Islands and Guam, which sent only copies of the original certificates, the demographic items were coded for 100 percent of the death certificates. The demographic coding for 100 percent of the certificates was independently verified.

As part of the quality control procedures for mortality data, each registration area goes through a calibration period, during which it must achieve the specified error tolerance level of 2 percent per item for 3 consecutive months, based on independent verification by NCHS of a 50-percent sample of that area's records. Once the area has achieved the required error

tolerance level, a sample of 70–80 records per month is used to monitor quality of coding. All areas providing data on computer tapes prior to 1988 have achieved the specified error tolerance; accordingly, the demographic items on about 70–80 records per area per month were independently verified by NCHS. The estimated average error rate for all demographic items in 1988 was 0.25 percent.

These verification procedures involve controlling for two types of error (coding and entering into the data record tape) at the same time, and the error rates are a combined measure of both types. It may be assumed that the entering errors are randomly distributed across all items on the record, but this assumption cannot be made as readily for coding errors. Although systematic errors in coding infrequent events may escape detection during sample verification, it is probable that some of these errors were detected during the initial period when 50 percent of the file was being verified, thus providing an opportunity to retrain the coders.

*Medical items on the death certificate*—As is true for demographic data, mortality medical data are subject to quality control procedures to control for errors of both coding and data entry. Each of the 27 registration areas that in 1988 furnished NCHS with coded medical information according to NCHS specifications first had to qualify for sample verification. During an initial calibration period, the area had to demonstrate that its staff could achieve a specified error tolerance level of less than 5 percent for coding all medical items. After the area had achieved the required error tolerance level, a sample of 70–80 records per month was used to monitor quality of medical coding. For these 27 States, the average coding error rate in 1988 was estimated at just over 4 percent.

For the remaining 23 States, the District of Columbia, New York City, Puerto Rico, the Virgin Islands, and Guam, NCHS coded the medical items for 100 percent of the death records. A 1-percent sample of the records was independently coded for quality control purposes. The estimated average error rate for these areas was about 3 percent.

The ACME system for selecting the underlying cause of death through computer application contributes to the quality control of medical items on the death certificate. (See section "Automated selection of underlying cause of death.")

*Demographic items on the report of fetal death*—For 1988, all data on fetal deaths, except for New York State (excluding New York City), were coded under contract by the U.S. Bureau of the Census. Coding and entering of information on data tapes were verified on a 100-percent basis because of the relatively small number of records involved.

*Other control procedures*—After coding and entering on data tape are completed, record counts are balanced against control totals for each shipment of records from a registration area. Editing procedures ensure that records with inconsistent or impossible codes are modified. Inconsistent codes are those, for example, indicating a contradiction between cause of death and age or sex of the decedent. Records so identified during the computer editing process are either corrected by reference to the source record or adjusted by arbitrary code assignment (28). Further, conditions specified on a list of infrequent or rare causes of death are confirmed by the certifier or a State Health

Officer. All subsequent operations in tabulating and in preparing tables are verified during the computer processing or by statistical clerks.

#### Estimates of errors arising from 50-percent sample for 1972

Death statistics for 1972 in this report (excluding fetal-death statistics) are based on a 50-percent sample of all deaths occurring in the 50 States and the District of Columbia. A description of the sample design and a table of the percent errors of the estimated numbers of deaths by size of estimate and total deaths in the area are shown in the Technical Appendix From *Vital Statistics of the United States, 1972*, Volume II, Mortality, Part A.

### COMPUTATION OF RATES AND OTHER MEASURES

#### Population bases

The population bases from which death rates shown in this report are computed are prepared by the U.S. Bureau of the Census. Rates for 1940, 1950, 1960, 1970, and 1980 are based on the population enumerated as of April 1 in the censuses for those years. Rates for all other years use the estimated midyear (July 1) population. Death rates for the United States, individual States, and SMSA's are based on the total resident populations of the respective areas. Except as noted, these populations exclude the Armed Forces abroad but include the Armed Forces stationed in each area.

The resident populations of the birth- and death-registration States for 1900-32 and of the United States for 1900-88 are shown in table 7-1. In addition, the population including Armed Forces abroad is shown for the United States. Table C lists the sources for these populations.

*Population estimates for 1988*—The population of the United States estimated by age, race, and sex for 1988 is shown in table 7-2, and the population for each State by broad age groups follows in table 7-3. Population estimates for 1984-88 incorporate new estimation procedures for net migration and net undocumented immigration. The 1988 estimates are comparable with those for 1984-87 but are not strictly comparable with the postcensal estimates for 1981-83 shown in tables 7-2 and 7-3 of *Vital Statistics of the United States, Volume II*, for those years. Although the death rates and estimates of life expectancy for 1984-88 are not strictly comparable with those for previous years, the trends for the total population and most age-race-sex groups are not substantially affected. For additional details, see the Technical Appendix From *Vital Statistics of the United States, 1984*, Volume II, and the report of the U.S. Bureau of the Census (29). Population data by race are consistent with the modified (see below) 1980 population by race.

*Population for 1980*—The population of the United States by age, race, and sex and the population for each State by age are shown in tables 7-2 and 7-3, respectively, of *Vital Statistics of the United States, 1980*, Volume II. The figures by race have been modified as described below.

The racial counts in the 1980 census are affected by changes in reporting practices, particularly of the Hispanic population, and in coding and classifying. One particular change created a major inconsistency between the 1980 census data and historical data series, including censuses and vital statistics. About 40 percent of the Hispanic population counted in 1980, more than 5.8 million persons, did not mark one of the specified races listed on the census questionnaire but instead marked the "Other" category.

In the 1980 census, coding procedures were modified for persons who marked "Other" race and wrote in national origin designation of a Latin American country or a specific Hispanic-origin group in response to the racial question. These persons remained in the "Other" racial category in 1980 census data; in previous censuses and in vital statistics, such responses had almost always been coded into the "White" category.

To maintain comparability, the "Other" racial category in the 1980 census was reallocated to be consistent with previous procedures. Persons who marked the "Other" racial category and reported any Spanish origin on the Spanish origin question (5,840,648 persons) were distributed to white and black races in proportion to the distribution of persons of Hispanic origin who actually reported their race as "White" or "Black." This was done for each age-sex group.

As a result of this procedure, 5,705,155 persons (98 percent) were added to the white population and 135,493 persons (2 percent) to the black population. Persons who marked the "Other" racial category and reported that they were not of Spanish origin (916,338 persons) were distributed as follows: 20 percent in each age-sex group were added to the "Asian and Pacific Islander" category (183,268 persons), and 80 percent were added to the "White" category (733,070 persons). The count of American Indians, Eskimos, and Aleuts was not affected by these procedures. Unpublished tabulations of these modified census counts were obtained from the U.S. Bureau of the Census and used to compute the rates for this volume.

*Population estimates for 1971-79*—Death rates in this volume for 1971-79 used revised population estimates that are consistent with the 1980 census levels. The 1980 census enumerated approximately 5.5 million more persons than had previously been estimated for April 1, 1980 (30). These revised estimates for the United States by age, race, and sex are published by the U.S. Bureau of the Census in *Current Population Reports*, Series P-25, Number 917. Unpublished revised estimates for States were obtained from the U.S. Bureau of the Census. For Puerto Rico, the Virgin Islands, and Guam, revised estimates are published in *Current Population Reports*, Series P-25, Number 919.

*Population estimates for 1961-69*—Death rates in this volume for 1961-69 are based on revised estimates of the population and thus may differ slightly from rates published before 1976. The rates shown in tables 1-1 and 1-2, the life table values in table 6-5, and the population estimates in table 7-1 for each year in the period 1961-69 have been revised to reflect modified population bases, as published in the U.S. Bureau of the Census, *Current Population Reports*, Series P-25, Number 519. The data shown in table 1-10 for 1961-69 have not been revised.



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Table C. Sources for resident population and population including Armed Forces abroad: Birth- and death-registration States, 1900-1932, and United States, 1900-1988

Year	Source
<b>United States</b>	
1988 -----	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 1045, 1990.
1986-87 -----	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 1022, Mar. 1988.
1985 -----	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 1000, Feb. 1987.
1984 -----	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 985, Apr. 1986.
1983 -----	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 965, Mar. 1985.
1982 -----	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 949, May 1984.
1981 -----	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 929, May 1983.
1980 -----	U.S. Bureau of the Census, <i>U.S. Census of Population: 1980, Number of Inhabitants</i> , PC80-1A1, United States Summary, 1983.
1971-79 -----	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 917, July 1982.
1970 -----	U.S. Bureau of the Census, <i>U.S. Census of Population: 1970, Number of Inhabitants</i> Final Report, PC(1)-A1, United States Summary, 1971.
1961-69 -----	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 519, April, 1974.
1960 -----	U.S. Bureau of the Census, <i>U.S. Census of Population: 1960, Number of Inhabitants</i> , PC(1)-A1, United States Summary, 1964.
1951-59 -----	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 310, June 30, 1965.
1940-50 -----	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 499, May 1973.
1930-39 -----	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 499, May 1973, and National Office of Vital Statistics, <i>Vital Statistics Rates in the United States, 1900-1940</i> , 1947.
1920-29 -----	National Office of Vital Statistics, <i>Vital Statistics Rates in the United States, 1900-1940</i> , 1947.
1917-19 -----	Same as for 1930-39
1900-16 -----	Same as for 1920-29

*Rates and ratios based on live births*—Infant and maternal mortality rates, and fetal death and perinatal mortality ratios, are computed on the basis of the number of live births. Fetal death and perinatal mortality rates are computed on the basis of the number of live births and fetal deaths. Counts of live births are published annually in *Vital Statistics of the United States*, Volume I, Natality.

*New Jersey*—As previously indicated, data by race are not available for New Jersey for 1962 and 1963. Therefore, for 1962 and 1963, NCHS estimated a population by age, race, and sex that excluded New Jersey for rates shown by race. The methodology used to estimate the revised population excluding New Jersey is discussed in the Technical Appendixes of the 1962 and 1963 volumes.

**Net census undercount**

Just as the underenumeration of deaths and the misreporting of demographic characteristics on the death certificate can introduce error into the annual rates, so can enumeration errors in the latest decennial census. This is because annual population estimates for the postcensal interval, which are used in the denominator for calculating death rates, are computed using the decennial census count as a base (29). Net census undercount is the result of miscounting and misreporting of demographic characteristics such as age. Age-specific death rates are affected by both the net census undercount and the misreporting of age on the death certificate (31). To the extent that the net undercount is substantial and that it varies among subgroups and geographic areas, it may have important consequences for vital statistics measures.

Although death rates based on a population adjusted for net census undercount may be more accurate than rates based on an unadjusted population, rates in this volume are not

adjusted; rather, they are computed using population estimates that preserve the age pattern of the net census undercount across the postcensal interval. Thus, it is important to consider the possible impact of net census undercount on death rates.

The U.S. Bureau of the Census has conducted extensive research on the completeness of coverage of the U.S. population (including underenumeration and misstatement of age, race, and sex) in the last four decennial censuses—1950, 1960, 1970, and 1980. From this work have come estimates of the national population that was not counted by age, race, and sex (32, 33). The reports for 1980 include estimates of net census undercount using alternative methodological assumptions for age, race, and sex subgroups of the national population (34). These studies indicate that, although coverage was improved over previous censuses, there was differential coverage in the 1980 census among the population subgroups; that is, some age, race, and sex groups were more completely counted than others.

Net census undercounts can affect levels of the observed vital rates, differences among groups, and levels and group differences shown by summary measures such as age-adjusted death rates and life expectancy.

*Levels and differentials*—If adjustments were made for net census undercount, the size of denominators of the death rates generally would increase and the rates, therefore, would decrease. The adjusted rates for 1980 can be computed by multiplying the reported rates by ratios of the census-level resident population to the resident population adjusted for the estimated net census undercount (table 7-4). A ratio of less than 1.0 indicates a net census undercount and, when applied, results in a corresponding decrease in the death rate. A ratio greater than 1.0—indicating a net census overcount—multiplied by the reported rate results in an increase in the death rate.

Coverage ratios for all ages show that, in general, females were more completely enumerated than males and the white population more completely than the population of all other races in the 1980 Census of Population. The black population was undercounted relative to the total population of all other races.

For the total population, underenumeration varied by age group, with the greatest differences found for persons aged 80–84 and 85 years and over. All other age groups were overcounted or undercounted by less than 3 percent.

Among the age-sex-race groups, coverage was lowest for black males aged 40–44 and 45–49 years. Underenumeration for these groups was 19 percent. In contrast, white females in these age groups were essentially completely enumerated. For black females and white males in these same age groups, the undercount ranged from 3 to 6 percent. For the under-1-year age group, the white population was overenumerated by 2 percent, whereas infants of other races were underenumerated by 9 percent.

If vital statistics measures were calculated with adjustments for net census undercounts for each population subgroup, the resulting rates would be differentially reduced from their original levels; that is, rates for those groups with the greatest estimated undercounts would show the greatest relative reductions due to these adjustments. Similar effects would be evident in the opposite direction for groups with overcounts. As a consequence, the ratio of mortality between the rates for males and females, and between the rates for the white population and the population of other races, or the black population, usually would be reduced.

Similarly, the differences between the death rates among subgroups of the population by cause of death would be affected by adjustments for net census undercounts. For example, for the age group 35–39 years in 1980, the ratio of the death rate for Homicide and legal intervention for black males to that for white males is 7.3, whereas the ratio of the death rates adjusted for net census undercount is 6.2. For Ischemic heart disease for males aged 40–44 years, the ratio of the death rate for the population of all other races to that for the white population is 1.2 using the unadjusted rates, but it is 1.1 when adjusted for estimated underenumeration.

*Summary measures*—The effect of net census undercount on age-adjusted death rates depends on the underenumeration of each age group and on the distribution of deaths by age. Thus, the age-adjusted death rate in 1980 for All causes would decrease from 585.8 to 579.3 per 100,000 population if the age-specific death rates were corrected for net census undercount.

For Diseases of the heart, the age-adjusted death rate for white males would decrease from 277.5 to 273.0 per 100,000 population, a decline of 1.3 percent. For black males the change, from an unadjusted rate of 327.3 to an adjusted rate of 308.3, would amount to 5.8 percent.

If death rates by age were adjusted, then the corresponding life expectancy at birth computed from these rates would change. The importance of adjustments varies by age; that is, when calculating life expectancy, the impact of an undercount or overcount is greatest at the younger ages. In general, the effect of correcting the death rates is to increase the estimate of

life expectancy at birth. Differential underenumeration among race-sex groups would lead to greater changes in life expectancy for some groups than for others. For white females who were completely enumerated in 1980, revised estimates of life expectancy would remain roughly constant; those for black males would show the greatest increase.

### Age-adjusted death rates

Age-adjusted death rates shown in this volume are computed using the distribution in 10-year age intervals of the enumerated population of the United States in 1940 as the standard population. Each figure represents the rate that would have existed had the age-specific rates of the particular year prevailed in a population whose age distribution was the same as that of the United States in 1940. The rates for the total population and for each race-sex group were adjusted using the same standard population. It is important not to compare age-adjusted death rates with crude rates. The standard 1940 population, on the basis of 1 million total population, is as follows:

Age	Number
All ages . . . . .	1,000,000
Under 1 year . . . . .	15,343
1-4 years . . . . .	64,718
5-14 years . . . . .	170,355
15-24 years . . . . .	181,677
25-34 years . . . . .	162,066
35-44 years . . . . .	139,237
45-54 years . . . . .	117,811
55-64 years . . . . .	80,294
65-74 years . . . . .	48,426
75-84 years . . . . .	17,303
85 years and over . . . . .	2,770

### Life Tables

U.S. abridged life tables are constructed by reference to a standard table (35). Life tables for the decennial period 1979–81 are used as the standard life tables in constructing the 1980–88 abridged life tables. With the availability of the 1979–81 standard life tables, revised life table values were computed for 1980–82; these appeared for the first time in *Vital Statistics of the United States, 1983*.

Life tables for the decennial period 1969–71 are used as the standard life tables in constructing the 1970–79 abridged life tables. Life table values for 1970–73 were first revised in *Vital Statistics of the United States, 1977*; before 1977, life table values for 1970–73 were constructed using the 1959–61 decennial life tables. In addition, life table values for 1951–59, 1961–69, and 1971–79 appearing in this volume are based on revised intercensal estimates of the populations for those years. As such, these life table values may differ from life table values for those years published in previous volumes.

The change in the population estimation methodology (see above section “Population bases”) results in life expectancies at certain 5-year age intervals for 1984–88 that are lower than those that would have resulted had they been based on the same methodology used to compute 1983 life expectancies.

For additional details, see Technical Appendix for *Vital Statistics of the United States, 1984*, Volume II.

There has been an increasing interest in data on the average length of life ( $e_0$ ) for single calendar years before the initiation of the annual abridged life table series for selected race-sex groups in 1945. The figures in table 6-5 for the race and sex groups for the following years were estimated to meet these needs (36).

Years	Race and sex groups
1900-45. ....	Total
1900-47. ....	Male
1900-47. ....	Female
1900-50. ....	White
1900-44. ....	White, male
1900-44. ....	White, female
1900-50. ....	All other
1900-44. ....	All other, male
1900-44. ....	All other, female

The geographic areas covered in life tables before 1929-31 were limited to the death-registration areas. Life tables for 1900-1902 and 1909-11 were constructed using mortality data from the 1900 death-registration States—10 States and the District of Columbia—and for 1919-21 from the 1920 death-registration States—34 States and the District of Columbia. The tables for 1929-31 through 1958 cover the conterminous United States. Decennial life table values for the 3-year period 1959-61 were derived from data that include both Alaska and Hawaii for each year (table 6-4). Data for each year shown in table 6-5 include Alaska beginning in 1959 and Hawaii beginning in 1960. It is believed that the inclusion of these two States does not materially affect life table values.

#### Random variation in numbers of deaths, death rates, and mortality rates and ratios

*Deaths and population-based rates*—Except for 1972, the numbers of deaths reported for a community represent complete counts of such events. As such, they are not subject to sampling error, although they are subject to errors in the registration process. However, when the figures are used for analytical purposes, such as the comparison of rates over a time period or for different areas, the number of events that actually occurred may be considered as one of a large series of possible results that could have arisen under the same circumstances (37). The probable range of values may be estimated from the actual figures according to certain statistical assumptions.

In general, distributions of vital events may be assumed to follow the binomial distribution. Estimates of standard error and tests of significance under this assumption are described in most standard statistics texts. When the number of events is

large, the standard error, expressed as a percent of the number or rate, is usually small.

When the number of events is small (perhaps less than 100) and the probability of such an event is small, considerable caution must be observed in interpreting the conditions described by the figures. This is particularly true for infant mortality rates, cause-specific death rates, and death rates for counties. Events of a rare nature may be assumed to follow a Poisson probability distribution. For this distribution, a simple approximation may be used to estimate a confidence interval, as follows.

If  $N$  is the number of registered deaths in the population and  $R$  is the corresponding rate, the chance is 19 in 20 that

$$1. \quad N - 2\sqrt{N} \text{ and } N + 2\sqrt{N}$$

covers the "true" number of events.

$$2. \quad R - 2\frac{R}{\sqrt{N}} \text{ and } R + 2\frac{R}{\sqrt{N}}$$

covers the "true" rate.

If the rate  $R_1$  corresponding to  $N_1$  events is compared with the rate  $R_2$  corresponding to  $N_2$  events, the difference between the two rates may be regarded as statistically significant at the 0.05 level of significance, if it exceeds

$$2\sqrt{\frac{R_1^2}{N_1} + \frac{R_2^2}{N_2}}$$

For example, if the observed death rate for a community were 10.0 per 1,000 population and if this rate were based on 20 recorded deaths, then the chance is 19 in 20 that the "true" death rate for that community lies between 5.5 and 14.5 per 1,000 population. If the death rate for this community of 10.0 per 1,000 population were being compared with a rate of 20.0 per 1,000 population for a second community, which is based on 10 recorded deaths, then the difference between the rates for the two communities is 10.0. This difference is less than twice the standard error of the difference

$$2\sqrt{\frac{(10.0)^2}{20} + \frac{(20.0)^2}{10}}$$

of the two rates, which is computed to be 13.4. From this, it is concluded that the difference between the rates for the two communities is not statistically significant at the 0.05 level of significance.

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SYMBOLS USED IN TABLES

Data not available -----	---
Category not applicable-----	...
Quantity zero -----	-
Quantity more than zero but less than 0.05 -----	0.0
Quantity more than zero but less than 500 where numbers are rounded to thousands -----	Z
Figure does not meet standards of reliability or precision -----	*

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Table 7-1. Population of Birth- and Death-Registration States, 1900-1932, and United States, 1900-1988

[Population enumerated as of April 1 for 1940, 1950, 1960, 1970, and 1980 and estimated as of July 1 for all other years]

Year	United States <sup>1</sup>		Year	United States <sup>1</sup>		Birth-registration States		Death-registration States	
	Population including Armed Forces abroad	Population residing in area		Population including Armed Forces abroad	Population residing in area	Number of States <sup>2</sup>	Population residing in area	Number of States <sup>2</sup>	Population residing in area
1988	246,329,000	245,807,000							
1987	243,915,000	243,400,000	1943	136,739,000	134,245,000	...	...	...	...
1986	241,613,000	241,096,000	1942	134,660,000	133,920,000	...	...	...	...
1985	239,283,000	238,741,000	1941	133,402,000	133,121,000	...	...	...	...
1984	237,019,000	236,495,000	1940	131,620,000	131,669,275	...	...	...	...
1983	234,023,000	234,023,000	1939	131,028,000	130,879,718	...	...	...	...
1982	232,309,000	231,786,000	1938	129,869,000	129,824,039	...	...	...	...
1981	229,849,000	229,348,000	1937	128,961,000	128,824,829	...	...	...	...
1980	227,061,000	226,545,805	1936	128,181,000	128,053,180	...	...	...	...
1979	225,055,000	224,567,000	1935	127,362,000	127,250,232	...	...	...	...
1978	222,585,000	222,095,000	1934	126,485,000	126,373,773	...	...	...	...
1977	220,239,000	219,760,000	1933	125,690,000	125,578,763	...	...	...	...
1976	218,035,000	217,563,000	1932	124,949,000	124,840,471	47	118,903,899	47	118,903,899
1975	215,973,000	215,465,000	1931	124,149,000	124,039,648	46	117,455,229	47	118,148,987
1974	213,854,000	213,342,000	1930	123,168,000	123,076,741	46	116,544,946	47	117,236,278
1973	211,809,000	211,357,000	1929	---	121,769,939	46	115,317,450	46	115,317,450
1972	209,896,000	209,284,000	1928	---	120,501,115	44	113,836,160	44	113,636,160
1971	207,661,000	206,827,000	1927	---	119,038,062	40	104,320,830	42	107,084,532
1970	204,270,000	203,211,926	1926	---	117,399,226	35	90,400,590	41	103,822,683
1969	202,677,000	201,385,000	1925	---	115,831,963	33	88,294,564	40	102,031,555
1968	200,706,000	199,999,000	1924	---	114,113,463	33	87,000,295	39	93,318,098
1967	198,712,000	197,457,000	1923	---	111,949,945	30	81,072,123	38	96,788,197
1966	196,560,000	195,576,000	1922	---	110,054,778	30	79,580,746	37	92,702,901
1965	194,303,000	193,526,000	1921	---	108,541,489	27	70,807,090	34	87,814,447
1964	191,889,000	191,141,000	1920	---	106,466,420	23	63,597,307	34	86,079,263
1963	189,242,000	188,483,000	1919	105,083,000	104,512,110	22	61,212,076	33	83,157,982
1962	186,538,000	185,771,000	1918	104,550,000	103,202,901	20	55,153,782	30	79,008,412
1961	183,691,000	182,992,000	1917	103,414,000	103,265,913	20	55,197,952	27	70,234,775
1960	179,933,000	179,323,175	1916	---	101,965,984	11	32,944,013	26	66,971,177
1959	177,264,000	176,513,000	1915	---	100,549,013	10	31,096,697	24	61,894,847
1958	174,141,000	173,320,000	1914	---	99,117,567	...	...	24	60,963,309
1957	171,274,000	170,371,000	1913	---	97,226,814	...	...	23	58,156,740
1956	168,221,000	167,306,000	1912	---	95,331,300	...	...	22	54,847,700
1955	165,275,000	164,308,000	1911	---	93,667,814	...	...	22	53,929,644
1954	162,391,000	161,164,000	1910	---	92,406,536	...	...	20	47,470,437
1953	159,565,000	158,242,000	1909	---	90,491,525	...	...	18	44,223,513
1952	156,954,000	155,687,000	1908	---	88,708,976	...	...	17	38,694,759
1951	154,287,000	153,310,000	1907	---	87,000,271	...	...	15	34,552,837
1950	151,132,000	150,697,361	1906	---	85,436,556	...	...	15	33,782,288
1949	149,188,000	148,666,000	1905	---	83,819,666	...	...	10	21,767,980
1948	146,631,000	146,093,000	1904	---	82,164,974	...	...	10	21,332,076
1947	144,126,000	143,446,000	1903	---	80,632,152	...	...	10	20,843,222
1946	141,389,000	140,054,000	1902	---	79,160,196	...	...	10	20,582,907
1945	139,928,000	132,481,000	1901	---	77,595,123	...	...	10	20,237,453
1944	138,397,000	132,885,000	1900	---	76,094,134	...	...	10	19,965,446

<sup>1</sup> Alaska included beginning 1959 and Hawaii, 1960.

<sup>2</sup> The District of Columbia is not included in "Number of States," but it is represented in all data shown for each year.

SOURCE: Published and unpublished data from the U.S. Bureau of the Census; see text.

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**Table 7-2. Estimated Population of the United States, by 5-Year Age Groups, Race, and Sex: July 1, 1988**

[Figures include Armed Forces stationed in the United States and exclude those stationed outside the United States. Due to rounding to the nearest thousand, detailed figures may not add to totals]

Age	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
All ages .....	245,807,000	119,738,000	126,069,000	207,377,000	101,389,000	105,988,000	38,430,000	18,348,000	20,081,000	30,202,000	14,325,000	15,877,000
Under 1 year .....	3,859,000	1,976,000	1,883,000	3,116,000	1,589,000	1,517,000	744,000	377,000	366,000	593,000	300,000	293,000
1-4 years .....	14,597,000	7,470,000	7,126,000	11,783,000	6,031,000	5,732,000	2,833,000	1,439,000	1,394,000	2,209,000	1,123,000	1,086,000
5-9 years .....	18,028,000	9,226,000	8,802,000	14,503,000	7,440,000	7,063,000	3,525,000	1,786,000	1,739,000	2,783,000	1,412,000	1,371,000
10-14 years .....	16,627,000	8,525,000	8,102,000	13,346,000	6,856,000	6,489,000	3,281,000	1,669,000	1,613,000	2,613,000	1,327,000	1,285,000
15-19 years .....	18,214,000	9,291,000	8,923,000	14,740,000	7,526,000	7,213,000	3,474,000	1,765,000	1,709,000	2,789,000	1,407,000	1,382,000
20-24 years .....	19,184,000	9,606,000	9,578,000	15,804,000	7,952,000	7,852,000	3,380,000	1,654,000	1,726,000	2,704,000	1,305,000	1,399,000
25-29 years .....	21,877,000	10,851,000	10,926,000	18,292,000	9,235,000	9,057,000	3,584,000	1,715,000	1,869,000	2,828,000	1,342,000	1,488,000
30-34 years .....	21,798,000	10,802,000	10,996,000	18,325,000	9,256,000	9,069,000	3,473,000	1,646,000	1,827,000	2,677,000	1,256,000	1,420,000
35-39 years .....	19,140,000	9,480,000	9,660,000	16,255,000	8,145,000	8,110,000	2,885,000	1,335,000	1,550,000	2,186,000	1,001,000	1,185,000
40-44 years .....	16,124,000	7,915,000	8,209,000	13,942,000	6,918,000	7,024,000	2,182,000	997,000	1,185,000	1,624,000	735,000	889,000
45-49 years .....	13,028,000	6,359,000	6,668,000	11,239,000	5,542,000	5,697,000	1,787,000	816,000	971,000	1,362,000	612,000	751,000
50-54 years .....	11,136,000	5,393,000	5,744,000	9,601,000	4,898,000	4,903,000	1,535,000	695,000	840,000	1,194,000	533,000	661,000
55-59 years .....	10,897,000	5,195,000	5,701,000	9,495,000	4,562,000	4,832,000	1,402,000	633,000	769,000	1,115,000	507,000	608,000
60-64 years .....	10,934,000	5,096,000	5,837,000	9,657,000	4,525,000	5,132,000	1,276,000	571,000	705,000	1,024,000	462,000	562,000
65-69 years .....	9,993,000	4,544,000	5,449,000	8,889,000	4,059,000	4,829,000	1,104,000	485,000	619,000	895,000	391,000	503,000
70-74 years .....	7,904,000	3,400,000	4,504,000	7,104,000	3,065,000	4,038,000	801,000	335,000	466,000	652,000	269,000	383,000
75-79 years .....	5,903,000	2,322,000	3,581,000	5,318,000	2,091,000	3,227,000	585,000	232,000	353,000	476,000	183,000	293,000
80-84 years .....	3,619,000	1,262,000	2,357,000	3,311,000	1,149,000	2,162,000	308,000	113,000	194,000	250,000	89,000	161,000
85 years and over .....	2,948,000	825,000	2,124,000	2,679,000	739,000	1,940,000	269,000	86,000	183,000	229,000	70,000	158,000

SOURCE: U.S. Bureau of the Census: "Current Population Reports," Series P-25, No. 1045.

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**Table 7-3. Estimated Population, by Age, for the United States, Each Division and State, Puerto Rico, Virgin Islands, and Guam: July 1, 1988**

[Figures include Armed Forces stationed in each area, and exclude Armed Forces stationed outside the United States. Due to rounding to the nearest thousand, detailed figures may not add to totals]

Division and State	Total	Under 5 years	5-19 years	20-44 years	45-64 years	65 years and over
<b>United States<sup>1</sup></b>	<b>245,807,000</b>	<b>18,458,000</b>	<b>52,869,000</b>	<b>98,123,000</b>	<b>45,993,000</b>	<b>30,367,000</b>
<b>Geographic divisions:</b>						
New England	12,962,000	893,000	2,548,000	5,270,000	2,517,000	1,737,000
New England	37,831,000	2,595,000	7,563,000	14,567,000	7,777,000	5,130,000
Middle Atlantic	42,120,000	3,056,000	9,261,000	16,648,000	7,961,000	5,190,000
East North Central	17,759,000	1,306,000	3,829,000	6,950,000	3,253,000	2,422,000
West North Central	42,426,000	3,036,000	8,614,000	16,753,000	8,276,000	5,552,000
South Atlantic	15,344,000	1,087,000	3,534,000	5,988,000	2,826,000	1,909,000
East South Central	26,886,000	2,280,000	6,373,000	10,767,000	4,547,000	2,917,000
West South Central	13,328,000	1,138,000	3,101,000	5,448,000	2,204,000	1,436,000
Mountain	37,351,000	3,065,000	7,849,000	15,731,000	6,630,000	4,077,000
Pacific						
<b>New England:</b>						
Maine	1,205,000	84,000	258,000	477,000	228,000	161,000
New Hampshire	1,085,000	81,000	228,000	455,000	198,000	123,000
Vermont	557,000	40,000	120,000	235,000	97,000	66,000
Massachusetts	5,889,000	400,000	1,114,000	2,433,000	1,136,000	806,000
Rhode Island	993,000	66,000	194,000	395,000	191,000	146,000
Connecticut	3,233,000	222,000	634,000	1,275,000	669,000	435,000
<b>Middle Atlantic:</b>						
New York	17,909,000	1,275,000	3,618,000	6,995,000	3,694,000	2,328,000
New Jersey	7,721,000	529,000	1,533,000	3,006,000	1,644,000	1,009,000
Pennsylvania	12,001,000	791,000	2,412,000	4,566,000	2,439,000	1,793,000
<b>East North Central:</b>						
Ohio	10,855,000	774,000	2,363,000	4,212,000	2,113,000	1,372,000
Indiana	5,556,000	389,000	1,248,000	2,197,000	1,042,000	680,000
Illinois	11,614,000	859,000	2,492,000	4,626,000	2,214,000	1,421,000
Michigan	9,240,000	677,000	2,074,000	3,699,000	1,714,000	1,076,000
Wisconsin	4,855,000	357,000	1,064,000	1,914,000	878,000	641,000
<b>West North Central:</b>						
Minnesota	4,307,000	325,000	925,000	1,749,000	769,000	540,000
Iowa	2,834,000	191,000	608,000	1,095,000	517,000	423,000
Missouri	5,141,000	370,000	1,095,000	1,975,000	991,000	710,000
North Dakota	867,000	52,000	151,000	264,000	109,000	90,000
South Dakota	713,000	57,000	161,000	268,000	127,000	100,000
Nebraska	1,602,000	120,000	351,000	622,000	288,000	221,000
Kansas	2,495,000	191,000	537,000	977,000	452,000	338,000
<b>South Atlantic:</b>						
Delaware	660,000	48,000	138,000	266,000	131,000	77,000
Maryland	4,622,000	346,000	942,000	1,925,000	912,000	498,000
District of Columbia	617,000	47,000	107,000	288,000	118,000	77,000
Virginia	6,015,000	430,000	1,234,000	2,559,000	1,153,000	640,000
West Virginia	1,876,000	113,000	424,000	720,000	352,000	268,000
North Carolina	6,489,000	448,000	1,400,000	2,617,000	1,249,000	775,000
South Carolina	3,470,000	258,000	804,000	1,410,000	619,000	379,000
Georgia	6,342,000	496,000	1,487,000	2,581,000	1,141,000	637,000
Florida	12,335,000	848,000	2,276,000	4,407,000	2,601,000	2,201,000
<b>East South Central:</b>						
Kentucky	3,727,000	253,000	848,000	1,479,000	683,000	463,000
Tennessee	4,895,000	332,000	1,073,000	1,942,000	937,000	612,000
Alabama	4,102,000	296,000	950,000	1,589,000	754,000	513,000
Mississippi	2,620,000	206,000	683,000	978,000	452,000	321,000
<b>West South Central:</b>						
Arkansas	2,385,000	173,000	551,000	874,000	447,000	350,000
Louisiana	4,408,000	372,000	1,064,000	1,785,000	727,000	479,000
Oklahoma	3,242,000	247,000	735,000	1,285,000	572,000	422,000
Texas	16,841,000	1,488,000	4,023,000	6,863,000	2,801,000	1,666,000
<b>Mountain:</b>						
Montana	805,000	62,000	183,000	317,000	140,000	103,000
Idaho	1,003,000	81,000	255,000	392,000	157,000	118,000
Wyoming	479,000	39,000	116,000	217,000	62,000	45,000
Colorado	3,301,000	264,000	705,000	1,470,000	548,000	314,000
New Mexico	1,507,000	134,000	383,000	595,000	260,000	155,000
Arizona	3,489,000	299,000	758,000	1,381,000	623,000	447,000
Utah	1,690,000	177,000	509,000	646,000	216,000	141,000
Nevada	1,054,000	82,000	212,000	450,000	198,000	113,000
<b>Pacific:</b>						
Washington	4,648,000	348,000	981,000	1,988,000	780,000	551,000
Oregon	2,767,000	190,000	576,000	1,159,000	460,000	381,000
California	28,314,000	2,381,000	5,932,000	11,884,000	5,107,000	3,011,000
Alaska	524,000	57,000	127,000	240,000	80,000	20,000
Hawaii	1,098,000	89,000	233,000	460,000	203,000	114,000
<b>Puerto Rico</b>	<b>3,291,000</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>Virgin Islands</b>	<b>103,200</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>Guam</b>	<b>133,000</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>

<sup>1</sup> Excludes Puerto Rico, Virgin Islands, and Guam.

SOURCE: U.S. Bureau of the Census: "Current Population Reports," Series P-25, Nos. 1044 and 1049, and unpublished data.



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Table 7-4. Ratio of Census-Level Resident Population to Resident Population Adjusted for Estimated Net Census Undercount by Age, Sex, and Race: April 1, 1980

Age	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
All ages .....	0.9862	0.9763	0.9858	0.9916	0.9839	0.9990	0.9543	0.9309	0.9765	0.9392	0.9103	0.9669
Under 5 years .....	0.9806	0.9800	0.9812	0.9993	0.9988	0.9998	0.9024	0.8998	0.9051	0.9047	0.9018	0.8077
Under 1 year .....	1.0025	1.0019	1.0031	1.0246	1.0245	1.0246	.9112	.9057	.9189	.9205	.9149	.9282
1-4 years .....	.9747	.9741	.9754	.9826	.9820	.9832	.9000	.8982	.9019	.9004	.8982	.9027
5-14 years .....	.9917	.9916	.9919	.9991	.9982	.9980	.9626	.9614	.9638	.9603	.9591	.9629
5-9 years .....	.9852	.9846	.9859	.9957	.9955	.9960	.9393	.9370	.9416	.9393	.9370	.9424
10-14 years .....	.9978	.9982	.9974	1.0003	1.0008	.9998	.9858	.9858	.9859	.9808	.9807	.9816
15-24 years .....	.9921	.9846	.9999	.9940	.9871	1.0011	.9823	.9711	.9937	.9689	.9526	.9850
15-19 years .....	1.0011	.9888	1.0034	1.0003	.9876	1.0030	1.0051	1.0052	1.0055	.9880	.9858	1.0001
20-24 years .....	.9834	.9706	.9965	.9879	.9769	.9893	.9590	.9354	.9819	.9390	.9076	.9696
25-34 years .....	.9793	.9629	.9961	.9850	.9722	.9880	.9466	.9059	.9852	.9181	.8670	.9876
25-29 years .....	.9742	.9681	.9908	.9799	.9679	.9829	.9422	.9040	.9788	.9188	.8695	.9828
30-34 years .....	.9850	.9683	1.0020	.9905	.9778	1.0036	.9519	.9081	.9931	.9197	.8638	.9735
35-44 years .....	.9761	.9675	.9947	.9855	.9719	.9992	.9183	.8685	.9680	.8882	.8235	.9501
35-39 years .....	.9776	.9697	.9955	.9880	.9730	.9991	.9248	.8743	.9736	.8968	.8322	.9586
40-44 years .....	.9743	.9549	.9937	.9849	.9706	.9992	.9107	.8576	.9614	.8782	.8135	.9401
45-54 years .....	.9784	.9589	.9973	.9862	.9723	.9988	.9247	.8648	.9803	.8976	.8272	.9644
45-49 years .....	.9734	.9538	.9926	.9828	.9690	.9967	.9124	.8544	.9669	.8833	.8139	.9497
50-54 years .....	.9831	.9638	1.0017	.9894	.9755	1.0027	.9377	.8759	.9945	.9125	.8413	.9796
55-64 years .....	.9900	.9735	1.0049	.9926	.9783	1.0057	.9678	.9329	.9993	.9514	.9094	.9882
55-59 years .....	.9884	.9692	1.0060	.9921	.9755	1.0075	.9577	.9178	.9835	.9388	.8913	.9815
60-64 years .....	.9919	.9786	1.0037	.9932	.9815	1.0036	.9804	.9523	1.0041	.9669	.9324	.9862
65-74 years .....	1.0092	1.0044	1.0129	1.0055	1.0011	1.0087	1.0439	1.0357	1.0515	1.0372	1.0235	1.0473
65-69 years .....	1.0131	1.0051	1.0195	1.0086	1.0016	1.0141	1.0548	1.0391	1.0672	1.0494	1.0280	1.0651
70-74 years .....	1.0042	1.0034	1.0047	1.0016	1.0005	1.0021	1.0293	1.0309	1.0309	1.0207	1.0158	1.0243
75-84 years .....	.9851	.9937	.9800	.9844	.9818	.9804	.9917	1.0168	.9758	.9689	.9655	.9527
75-79 years .....	1.0014	1.0053	.9990	.9974	.9997	.9959	1.0428	1.0601	1.0313	1.0235	1.0405	1.0128
80-84 years .....	.9595	.9735	.9522	.9643	.9780	.9578	.9059	.9380	.8873	.8780	.9150	.8572
85 years and over .....	.9540	.9792	.9440	.9558	.9760	.9467	.9393	.9961	.9057	.9089	.9638	.8837

SOURCE: U.S. Bureau of the Census: "Current Population Reports," Series P-25, No. 985.