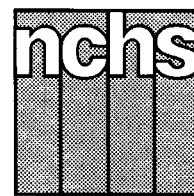


Monthly Vital Statistics Report



Final Data From the CENTERS FOR DISEASE CONTROL AND PREVENTION/National Center for Health Statistics

Advance Report of Final Mortality Statistics, 1993

by Paula Gardner, MPH, and Bettie L. Hudson, Division of Vital Statistics

Highlights

► In 1993, 2,268,553 people died in the United States, 92,940 more than in 1992 and the highest number ever registered. The crude death rate was 880 deaths per 100,000 population, over 3 percent higher than the 1992 rate, and the age-adjusted rate was 513 deaths per 100,000 population, almost 2 percent higher than the 1992 age-adjusted rate.

► The largest increases in death rates occurred in the following age groups: 5–14 (4 percent), 15–24 (3 percent), 25–34 (3.3 percent), 75–84 (3 percent), and 85 years and over (3.4 percent). The causes contributing most to increases in death rates for the younger age groups were **homicide, accidents, and Acquired immune deficiency syndrome**; while the causes contributing most to increases in death rates for the older age groups were **heart disease, Chronic obstructive pulmonary diseases and allied conditions (COPD), and pneumonia**.

● Although large increases in rates occurred at younger age groups, the increase in the number of deaths for these age groups contributed little to the overall rate increase: Less than 1 percent for 5–14 years, 1 percent for 15–24 years, and 1.3 percent for 25–34 years, compared to over 30 percent for 75–84 years and over 44 percent for those 85 years and older.

► **Increases in heart disease, COPD, Human immunodeficiency virus (HIV) infection, accident, pneumonia and influenza, diabetes, and stroke mortality** made the largest contributions to the overall increase in 1993 mortality.

● The crude death rate for **heart disease**, the leading cause of death in the United States, increased 2.5 percent. The age group 65 years and over accounted for 84 percent of the deaths for this cause, and 95 percent of the increase.

● The crude death rate for **COPD** increased 8.2 percent. The age group 65 years and over accounted for 86 percent of the deaths for this cause, and 90 percent of the increase. The crude death rate for **HIV infection** increased 9.8 percent. Death rates increased for all age groups except infants and persons 75 years and older.

● The crude death rate for **accidents** increased 3.2 percent. The largest increases were for the age groups 25–34 and 35–44 years; the highest rates were for those aged 85 years and over.

● The crude death rate for **pneumonia and influenza** increased 8.1 percent. Persons aged 65 years and over accounted for 89 percent of the deaths and 90 percent of the increase for this cause. Although difficult to quantify, increases in **pneumonia and chronic disease** deaths,

Acknowledgments

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especially among the older age groups, are in part, a consequence of the **two influenza epidemics of 1993** (1992–93 winter season, and 1993–94 winter season).

► The crude death rate for **diabetes** increased 6.6 percent. Persons aged 65 years and over accounted for 75 percent of the deaths and 74 percent of the increase for this cause.

► The crude death rate for **stroke** increased 3.2 percent. The age group 65 years and over accounted for 88 percent of the deaths for this cause, and 97 percent of the increase.

► Increases in mortality resulted in a decline, from 75.8 years in 1992 to 75.5 years in 1993, in **life expectancy** at birth.

This is the first decline in **life expectancy** for the U.S. resident population since 1980.

Introduction

► A number of format changes have been made in the *Advance Report for Final Mortality Statistics*. For the first time, all text, figures, and related tables are grouped by subject. The text highlights selected findings from the 1993 mortality data; the tables provide further detail.

► Mortality data from the National Vital Statistics System (NVSS) have been a key source of health status indicators for the United States since the 1930's, and are currently used to monitor

progress toward many Healthy People 2000 goals (1). Data in this report provide examples of the kind and range of mortality data available from NVSS. These data can be used to identify groups at risk of death from specific diseases and injuries. Differences in mortality observed among groups according to race, ethnicity, or educational attainment reflect complex interactions of factors and may not reflect direct causation.

► In addition to data presented in this report, the mortality data files include geographic, demographic, underlying cause of death, multiple conditions, and autopsy status data obtained from death certificates for all deaths registered in the United States (see "Technical notes").

Deaths and death rates

► In 1993, 2,268,553 deaths were registered in the United States, 92,940 more than in 1992 (table 1), resulting in a 3.2-percent increase in the crude death rate and a 1.7-percent increase in the 1993 age-adjusted rate. (For definitions of rates, see “Technical notes.”) This is the first increase in age-adjusted rate since 1988.

► Both age-adjusted and crude death rates have generally been decreasing since 1930 (figure 1, table 1). The 1993 increases interrupt these trends.

► The crude death rate increased more for females than for males. Among the major race groups, the increase in the crude death rate was highest for the American Indian population (see “Technical notes”), followed by increases for the Asian or Pacific Islander, the white, and the black populations. Among the race/sex groups, the largest increase in crude death rate was for American Indian females; the smallest increase, for white males (table 1).

► Increases in deaths due to heart disease, COPD, HIV infection, accidents, pneumonia and influenza, diabetes, and stroke made the largest contributions to the overall increase in 1993 mortality. The two influenza epidemics of 1993 contributed to large increases in death rates, especially among older age groups, for pneumonia and several chronic diseases, including heart disease, COPD, and diabetes (2,3).

► Between 1992 and 1993, death rates increased in most 10-year age-sex groups (figure 2). These increases interrupted generally downward trends experienced since 1950. The increase in death rates for males aged 35–44 years continued the trend begun in 1984. This increase reversed the downward trend for this age group observed from 1969 through 1983.

► The percent change in death rates (table 2) and the causes contributing to those changes in specified age groups are shown in table A.

► Between 1992 and 1993, death rates decreased for infants for each race/sex

group, for white males aged 55–64 years, and for black females aged 55–64 years (table 3). Despite decreases for white males and black females, the rate increased overall for the age group 55–64 years.

Table A. Causes contributing most to change in death rates by age

<i>Age group</i>	<i>Percent change</i>	<i>Causes contributing most to change in death rates</i>
Under 1 year	-1.3	Respiratory distress syndrome (RDS), congenital anomalies, other respiratory conditions of newborn, Sudden infant death syndrome (SIDS), and perinatal infections
1–4 years	2.8	Accidents, HIV infection, and cancer
5–14 years	4.0	Homicide, accidents, Congenital anomalies, HIV infection, pneumonia, COPD, and septicemia
15–24 years	3.0	Homicide, accidents, and suicide
25–34 years	3.3	HIV infection, accidents, suicide, and heart disease
35–44 years	2.9	HIV infection, accidents, heart disease, and pneumonia
45–54 years	0.9	HIV infection, accidents, and pneumonia
55–64 years	0.3	COPD, diabetes, pneumonia, and nephritis
65–74 years	1.1	COPD, diabetes, pneumonia, and cancer
75–84 years	3.0	Heart disease, COPD, cancer, and pneumonia
85 years and older	3.4	Heart disease, pneumonia, stroke, and COPD

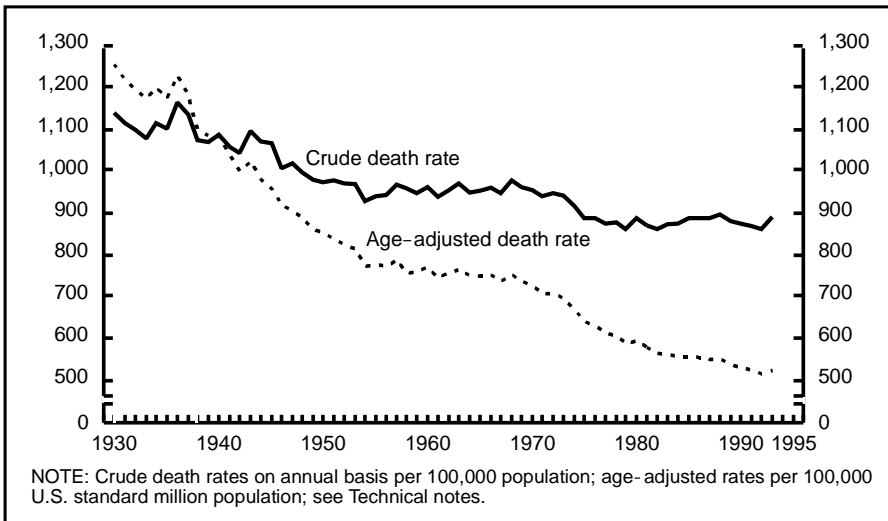


Figure 1. Crude and age-adjusted death rates: United States, 1930–93

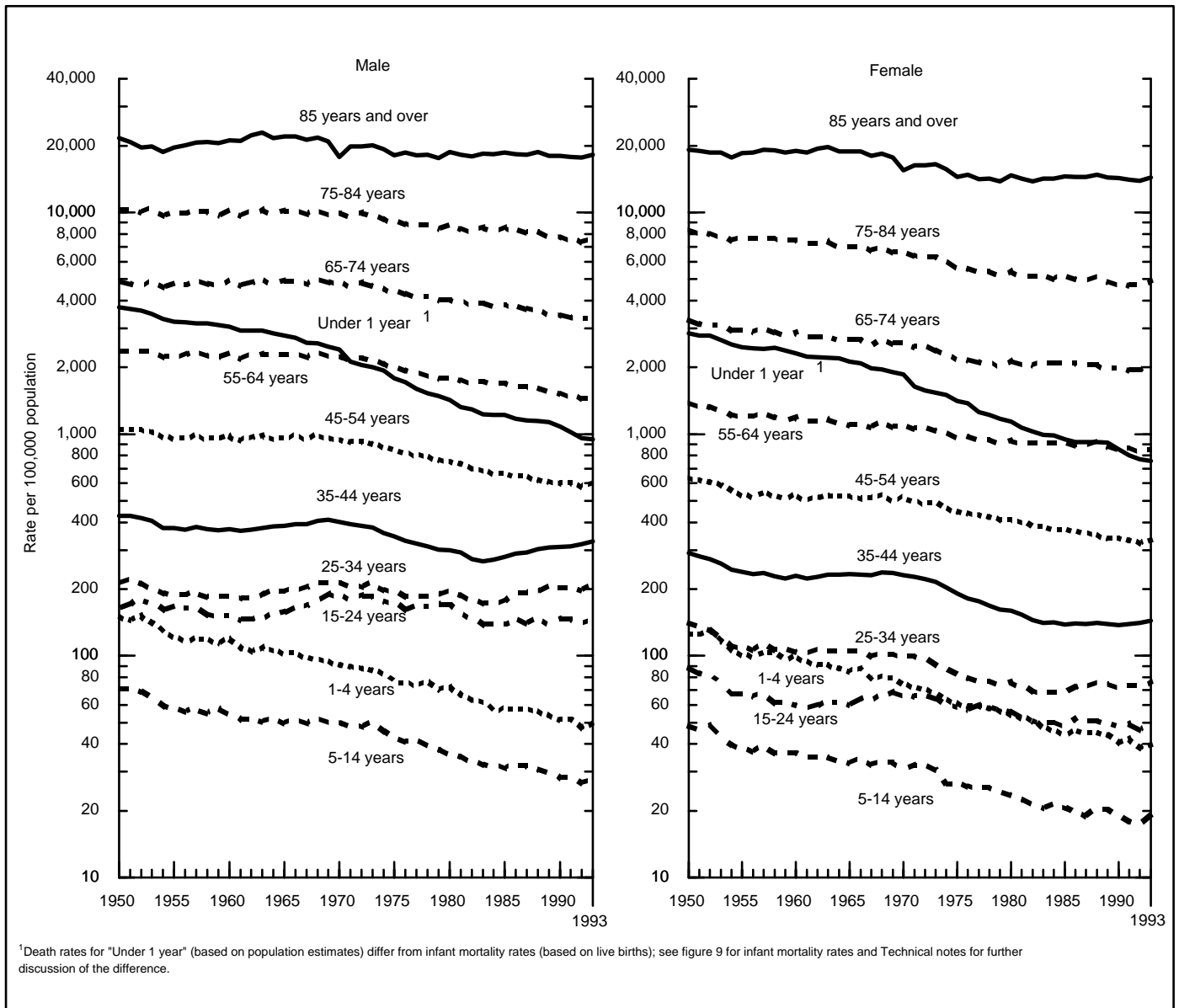


Figure 2. Death rates by age and sex: United States, 1950–93

Table 1. Number of deaths, death rates, and age-adjusted death rates, by race and sex: United States, 1940, 1950, 1960, 1970, and 1975–93

[Crude rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard million population; see "Technical notes." Rates are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years. Beginning 1970, excludes deaths of nonresidents of the United States. Data for specified races other than white and black should be interpreted with caution because of inconsistencies in reporting race on the death certificate; see "Technical notes"]

Year	All races ¹			White			Black			American Indian ²			Asian or Pacific Islander ³		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Number															
1993	2,268,553	1,161,797	1,106,756	1,951,437	988,329	963,108	282,151	153,502	128,649	9,579	5,434	4,145	25,386	14,532	10,854
1992	2,175,613	1,122,336	1,053,277	1,873,781	956,957	916,824	269,219	146,630	122,589	8,953	5,181	3,772	23,660	13,568	10,092
1991	2,169,518	1,121,665	1,047,853	1,868,904	956,497	912,407	269,525	147,331	122,194	8,621	4,948	3,673	22,173	12,727	9,446
1990	2,148,463	1,113,417	1,035,046	1,853,254	950,812	902,442	265,498	145,359	120,139	8,316	4,877	3,439	21,127	12,211	8,916
1989	2,150,466	1,114,190	1,036,276	1,853,841	950,852	902,989	267,642	146,393	121,249	8,614	5,066	3,548	20,042	11,688	8,354
1988	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	18,963	11,155	7,808
1987	2,123,323	1,107,958	1,015,365	1,843,067	953,382	889,685	254,814	139,551	115,263	7,602	4,432	3,170	17,689	10,496	7,193
1986	2,105,361	1,104,005	1,001,356	1,831,083	952,554	878,529	250,326	137,214	113,112	7,301	4,365	2,936	16,514	9,795	6,719
1985	2,086,440	1,097,758	988,682	1,819,054	950,455	868,599	244,207	133,610	110,597	7,154	4,181	2,973	15,887	9,441	6,446
1984	2,039,369	1,076,514	962,855	1,781,897	934,529	847,368	235,884	129,147	106,737	6,949	4,117	2,832	14,483	8,627	5,856
1983	2,019,201	1,071,923	947,278	1,765,582	931,779	833,803	233,124	127,911	105,213	6,839	4,064	2,775	13,554	8,126	5,428
1982	1,974,797	1,056,440	918,357	1,729,085	919,239	809,846	226,513	125,610	100,903	6,679	3,974	2,705	12,430	7,564	4,866
1981	1,977,981	1,063,772	914,209	1,731,233	925,490	805,743	228,560	127,296	101,264	6,608	4,016	2,592	11,475	6,908	4,567
1980	1,989,841	1,075,078	914,763	1,738,607	933,878	804,729	233,135	130,138	102,997	6,923	4,193	2,730	11,071	6,809	4,262
1979	1,913,841	1,044,959	868,882	1,676,145	910,137	766,008	220,818	124,433	96,385	6,728	4,171	2,557	---	---	---
1978	1,927,788	1,055,290	872,498	1,689,722	920,123	769,599	221,340	124,663	96,677	6,959	4,343	2,616	---	---	---
1977	1,899,597	1,046,243	853,354	1,664,100	912,670	751,430	220,076	123,894	96,182	6,454	4,019	2,435	---	---	---
1976	1,909,440	1,051,983	857,457	1,674,989	918,589	756,400	219,442	123,977	95,465	6,300	3,883	2,417	---	---	---
1975	1,892,879	1,050,819	842,060	1,660,366	917,804	742,562	217,932	123,770	94,162	6,166	3,838	2,328	---	---	---
1970	1,921,031	1,078,478	842,553	1,682,096	942,437	739,659	225,647	127,540	98,107	5,675	3,391	2,284	---	---	---
1960	1,711,982	975,648	736,334	1,505,335	860,857	644,478	196,010	107,701	88,309	4,528	2,658	1,870	---	---	---
1950	1,452,454	827,749	624,705	1,276,085	731,366	544,719	169,606	92,004	77,602	4,440	2,497	1,943	---	---	---
1940	1,417,269	791,003	626,266	1,231,223	690,901	540,322	178,743	95,517	83,226	4,791	2,527	2,264	---	---	---
Death rate															
1993	880.0	923.5	838.6	908.5	938.8	879.4	876.8	1,006.3	760.1	440.0	503.9	377.3	293.9	346.6	244.2
1992	852.9	901.6	806.5	880.0	917.2	844.3	850.5	977.5	736.2	417.7	487.7	348.9	283.1	332.7	235.8
1991	860.3	912.1	811.0	886.2	926.2	847.7	864.9	998.7	744.5	407.2	471.2	343.9	277.3	325.6	231.1
1990	863.8	918.4	812.0	888.0	930.9	846.9	871.0	1,008.0	747.9	402.8	476.4	330.4	283.3	334.3	234.3
1989	871.3	926.3	818.9	893.2	936.5	851.8	887.9	1,026.7	763.2	430.5	510.7	351.3	280.9	334.5	229.4
1988	886.7	945.1	831.2	910.5	957.9	865.3	888.3	1,026.1	764.6	411.7	485.0	339.9	282.0	339.0	227.4
1987	876.4	939.3	816.7	900.1	952.7	849.8	868.9	1,006.2	745.7	410.7	483.8	339.0	278.9	338.3	222.0
1986	876.7	944.7	812.3	900.1	958.6	844.3	864.9	1,002.6	741.5	409.5	494.9	325.9	276.2	335.1	219.9
1985	876.9	948.6	809.1	900.4	963.6	840.1	854.8	989.3	734.2	416.4	492.5	342.5	283.4	344.6	224.9
1984	864.8	938.8	794.7	887.8	954.1	824.6	836.1	968.5	717.4	419.6	502.7	338.4	275.9	336.5	218.1
1983	863.7	943.2	788.4	885.4	957.7	816.4	836.6	971.2	715.9	428.5	515.1	343.9	276.1	339.1	216.1
1982	852.4	938.4	771.2	873.1	951.8	798.2	823.4	966.2	695.5	434.5	522.9	348.1	271.3	338.3	207.4
1981	862.0	954.0	775.0	880.4	965.2	799.8	842.4	992.6	707.7	445.6	547.9	345.6	272.3	336.2	211.5
1980	878.3	976.9	785.3	892.5	983.3	806.1	875.4	1,034.1	733.3	487.4	597.1	380.1	296.9	375.3	222.5
1979	852.2	957.5	752.7	865.2	963.3	771.8	839.3	999.6	695.3	---	---	---	---	---	---
1978	868.0	977.5	764.5	880.2	982.7	782.7	855.1	1,016.8	709.5	---	---	---	---	---	---
1977	864.4	978.9	756.0	874.6	983.0	771.3	864.0	1,026.0	718.0	---	---	---	---	---	---
1976	877.6	993.8	767.6	887.7	997.3	783.1	875.0	1,041.6	724.5	---	---	---	---	---	---
1975	878.5	1,002.0	761.4	886.9	1,004.1	775.1	882.5	1,055.4	726.1	---	---	---	---	---	---
1970	945.3	1,090.3	807.8	946.3	1,086.7	812.6	999.3	1,186.6	829.2	---	---	---	---	---	---
1960	954.7	1,104.5	809.2	947.8	1,098.5	800.9	1,038.6	1,181.7	905.0	---	---	---	---	---	---
1950	963.8	1,106.1	823.5	945.7	1,089.5	803.3	---	---	---	---	---	---	---	---	---
1940	1,076.4	1,197.4	954.6	1,041.5	1,162.2	919.4	---	---	---	---	---	---	---	---	---

See footnotes at end of table.

Table 1. Number of deaths, death rates, and age-adjusted death rates, by race and sex: United States, 1940, 1950, 1960, 1970, and 1975–93—Con.

[Crude rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard million population; see "Technical notes." Rates are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years. Beginning 1970, excludes deaths of nonresidents of the United States. Data for specified races other than white and black should be interpreted with caution because of inconsistencies in reporting race on the death certificate; see "Technical notes"]

Year	All races ¹			White			Black			American Indian ²			Asian or Pacific Islander ³		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	Age-adjusted death rate ⁴														
1993	513.3	664.9	388.3	485.1	627.5	367.7	785.2	1,052.2	578.8	468.9	589.6	364.5	295.9	381.4	226.7
1992	504.5	656.0	380.3	477.5	620.9	359.9	767.5	1,026.9	568.4	453.1	579.6	343.1	285.8	364.1	220.5
1991	513.7	669.9	386.5	486.8	634.4	366.3	780.7	1,048.8	575.1	441.8	562.6	335.9	283.2	360.2	218.3
1990	520.2	680.2	390.6	492.8	644.3	369.9	789.2	1,061.3	581.6	445.1	573.1	335.1	297.6	377.8	228.9
1989	528.0	689.3	397.3	499.6	652.2	376.0	805.9	1,082.8	594.3	475.7	622.8	353.4	295.8	378.9	225.2
1988	539.9	706.1	406.1	512.8	671.3	385.3	809.7	1,083.0	601.0	456.3	585.7	343.2	300.2	385.4	226.5
1987	539.2	706.8	404.6	513.7	674.2	384.8	796.4	1,063.6	592.4	456.7	580.8	351.3	297.0	386.2	221.3
1986	544.8	716.2	407.6	520.1	684.9	388.1	796.8	1,061.9	594.1	451.4	591.6	328.4	296.7	385.3	220.3
1985	548.9	723.0	410.3	524.9	693.3	391.0	793.6	1,053.4	594.8	468.2	602.6	353.3	305.7	396.9	228.5
1984	548.1	721.6	410.5	525.2	693.6	391.7	783.3	1,035.9	590.1	476.9	614.2	347.3	299.4	386.0	223.0
1983	552.5	729.4	412.5	529.4	701.6	393.3	787.4	1,037.5	595.3	485.9	634.0	360.1	298.9	388.6	218.0
1982	554.7	734.2	411.9	532.3	706.8	393.6	782.1	1,035.4	585.9	494.3	634.6	371.6	293.6	389.2	212.8
1981	568.6	753.8	420.8	544.8	724.8	401.5	807.0	1,068.8	602.7	514.0	676.7	368.5	293.2	382.3	213.9
1980	585.8	777.2	432.6	559.4	745.3	411.1	842.5	1,112.8	631.1	564.1	732.5	414.1	315.6	416.6	224.6
1979	577.0	768.6	423.1	551.9	738.4	402.5	812.1	1,073.3	605.0	---	---	---	---	---	---
1978	595.0	791.4	437.4	569.5	761.1	416.4	831.8	1,093.9	622.7	---	---	---	---	---	---
1977	602.1	801.3	441.8	575.7	770.6	419.6	849.3	1,112.1	639.6	---	---	---	---	---	---
1976	618.5	820.9	455.0	591.3	789.3	432.5	870.5	1,138.3	654.5	---	---	---	---	---	---
1975	630.4	837.2	462.5	602.2	804.3	439.0	890.8	1,163.0	670.6	---	---	---	---	---	---
1970	714.3	931.6	532.5	679.6	893.4	501.7	1,044.0	1,318.6	814.4	---	---	---	---	---	---
1960	760.9	949.3	590.6	727.0	917.7	555.0	1,073.3	1,246.1	916.9	---	---	---	---	---	---
1950	841.5	1,001.6	688.4	800.4	963.1	645.0	---	---	---	---	---	---	---	---	---
1940	1,076.1	1,213.0	938.9	1,017.2	1,155.1	879.0	---	---	---	---	---	---	---	---	---

¹For 1940–91 includes deaths among races not shown separately; see "Technical notes."

²Includes deaths among Aleuts and Eskimos.

³Includes deaths among Chinese, Filipino, Hawaiian, Japanese, and other Asian or Pacific Islander.

⁴For method of computation, see "Technical notes."

Table 2. Number of deaths and death rates, by age, race, and sex: United States, 1993

[Rates per 100,000 population in specified group. Data for specified races other than white and black should be interpreted with caution because of inconsistencies in reporting race on the death certificate; see "Technical notes"]

Age	All races			White			Black			American Indian ¹			Asian or Pacific Islander ²		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	Number														
All ages	2,268,553	1,161,797	1,106,756	1,951,437	988,329	963,108	282,151	153,502	128,649	9,579	5,434	4,145	25,386	14,532	10,854
Under 1 year	33,466	18,959	14,507	21,497	12,222	9,275	10,887	6,121	4,766	361	209	152	721	407	314
1–4 years	7,066	3,992	3,074	4,793	2,747	2,046	1,975	1,089	886	114	67	47	184	89	95
5–9 years	3,918	2,203	1,715	2,817	1,616	1,201	936	487	449	46	30	16	119	70	49
10–14 years	4,740	3,004	1,736	3,493	2,208	1,285	1,056	679	377	74	47	27	117	70	47
15–19 years	14,997	11,163	3,834	10,610	7,628	2,982	3,832	3,130	702	206	135	71	349	270	79
20–24 years	20,486	15,743	4,743	13,886	10,613	3,273	5,867	4,604	1,263	277	207	70	456	319	137
25–29 years	24,085	17,759	6,326	16,668	12,475	4,193	6,667	4,766	1,901	336	237	99	414	281	133
30–34 years	35,560	25,928	9,632	25,380	18,901	6,479	9,276	6,396	2,880	383	278	105	521	353	168
35–39 years	44,330	31,185	13,145	31,547	22,676	8,871	11,745	7,842	3,903	427	296	131	611	371	240
40–44 years	51,708	35,210	16,498	37,249	25,626	11,623	13,119	8,743	4,376	461	301	160	879	540	339
45–49 years	59,270	38,084	21,186	45,103	29,159	15,944	12,726	8,050	4,676	468	306	162	973	569	404
50–54 years	72,545	45,364	27,181	56,767	35,704	21,063	14,192	8,746	5,446	546	316	230	1,040	598	442
55–59 years	96,333	59,129	37,204	77,318	47,806	29,512	16,932	10,152	6,780	687	398	289	1,396	773	623
60–64 years	145,248	87,777	57,471	120,918	73,750	47,168	21,663	12,531	9,132	740	413	327	1,927	1,083	844
65–69 years	213,366	125,445	87,921	182,643	108,341	74,302	27,401	15,233	12,168	850	463	387	2,472	1,408	1,064
70–74 years	274,453	154,161	120,292	240,176	135,772	104,404	30,471	16,188	14,283	891	462	429	2,915	1,739	1,176
75–79 years	312,774	163,677	149,097	279,742	147,381	132,361	29,122	14,101	15,021	861	454	407	3,049	1,741	1,308
80–84 years	325,264	149,882	175,382	294,280	135,805	158,475	27,132	11,891	15,241	785	381	404	3,067	1,805	1,262
85 years and over	528,437	172,778	355,659	486,211	157,645	328,566	37,011	12,671	24,340	1,055	426	629	4,160	2,036	2,124
Not stated	507	354	153	339	254	85	141	82	59	11	8	3	16	10	6
	Death rate														
All ages ³	880.0	923.5	838.6	908.5	938.8	879.4	876.8	1,006.3	760.1	440.0	503.9	377.3	293.9	346.6	244.2
Under 1 year ⁴	854.4	945.8	758.6	697.3	773.0	617.5	1,735.6	1,922.2	1,543.2	855.7	984.1	725.5	438.9	485.1	390.6
1–4 years	44.8	49.5	39.9	38.3	42.9	33.6	79.1	86.1	71.9	65.4	75.9	54.6	30.5	28.8	32.3
5–9 years	21.1	23.2	19.0	19.0	21.3	16.7	32.9	33.8	32.0	21.1	27.0	*	17.6	20.3	14.7
10–14 years	25.6	31.7	19.2	23.7	29.1	17.9	37.2	47.2	26.9	33.1	41.5	24.4	16.7	19.7	13.6
15–19 years	86.9	126.0	45.6	77.0	107.6	44.6	143.6	231.7	53.3	109.4	141.5	76.4	55.1	83.8	25.4
20–24 years	109.2	165.0	51.4	91.7	137.0	44.3	218.5	348.5	92.6	147.6	212.4	77.6	60.9	84.6	36.9
25–29 years	122.7	180.3	64.7	104.2	154.0	53.1	249.2	373.2	135.9	186.6	257.5	112.5	53.8	74.5	33.9
30–34 years	159.8	233.7	86.3	137.9	203.8	70.9	328.7	483.7	192.0	205.0	299.8	111.6	62.2	87.1	38.9
35–39 years	205.4	290.7	121.0	175.5	251.3	99.2	441.5	630.1	275.7	250.0	354.7	149.9	77.9	99.3	58.5
40–44 years	269.3	371.5	169.7	230.9	318.1	143.9	590.6	850.5	366.7	315.1	423.5	212.7	126.6	168.1	90.9
45–49 years	372.1	487.3	261.1	330.1	430.6	231.4	781.1	1,084.2	527.3	407.2	547.9	274.2	185.4	231.7	144.7
50–54 years	570.0	733.3	415.6	518.0	664.0	377.4	1,092.8	1,497.5	762.0	623.9	752.6	505.2	272.0	327.2	221.4
55–59 years	902.0	1,154.9	669.1	837.8	1,069.5	620.2	1,565.3	2,131.6	1,119.9	1,000.4	1,214.5	805.0	463.7	550.0	388.2
60–64 years	1,418.1	1,826.0	1,057.3	1,352.1	1,737.7	1,003.8	2,198.4	2,952.0	1,628.1	1,326.2	1,580.7	1,102.0	746.2	964.4	578.3
65–69 years	2,129.1	2,782.5	1,594.8	2,059.5	2,696.0	1,532.0	3,072.0	4,031.0	2,367.0	1,864.7	2,232.8	1,557.5	1,147.6	1,544.4	856.4
70–74 years	3,184.6	4,135.3	2,459.8	3,105.3	4,035.7	2,389.1	4,418.2	5,822.9	3,469.5	2,551.3	3,029.5	2,180.5	1,831.3	2,471.9	1,323.9
75–79 years	4,831.6	6,304.4	3,845.5	4,773.1	6,240.7	3,782.5	5,905.8	7,690.5	4,849.4	3,652.0	4,725.2	2,913.8	3,178.3	4,176.9	2,411.1
80–84 years	7,658.7	9,986.4	6,386.5	7,604.3	9,941.4	6,329.3	8,772.5	11,322.5	7,461.4	5,253.3	6,705.4	4,362.4	5,799.7	7,487.1	4,385.9
85 years and over	15,481.7	18,257.2	14,416.9	15,625.4	18,443.2	14,558.2	14,418.1	17,033.0	13,351.1	8,349.2	10,147.7	7,454.4	12,880.1	15,650.7	11,011.5

¹Includes deaths among Aleuts and Eskimos.

²Includes deaths among Chinese, Filipino, Hawaiian, Japanese, and other Asian or Pacific Islander.

³Figures for age not stated are included in "All ages" but not distributed among age groups.

⁴Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see tables 25–29 for infant mortality rates, and "Technical notes" for further discussion of the difference.

Table 3. Percent change in death rates between 1992 and 1993 by age, race, and sex: United States

Age				White			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	Percent change								
All ages ¹	3.2	2.4	4.0	3.2	2.4	4.2	3.1	2.9	3.2
Under 1 year ²	-1.3	-1.1	-1.6	-0.6	-1.0	-0.2	-2.8	-1.8	-4.1
1-4 years	2.8	3.1	2.3	0.5	0.7	0.9	8.1	11.0	4.7
5-14 years	4.0	0.7	9.1	3.9	2.0	6.8	3.9	-1.7	13.5
15-24 years	3.0	3.1	3.0	1.2	1.2	1.1	7.6	7.4	8.1
25-34 years	3.3	3.3	3.7	3.0	2.8	3.6	3.9	3.9	3.9
35-44 years	2.9	3.1	2.5	2.2	2.1	2.6	3.5	4.7	0.9
45-54 years	0.9	0.7	1.1	0.4	0.1	0.9	2.9	3.5	1.9
55-64 years	0.3	-0.1	0.7	0.4	-0.3	1.5	-0.7	1.0	-2.9
65-74 years	1.1	0.6	1.5	1.1	0.6	1.5	1.6	0.9	2.2
75-84 years	3.0	2.3	3.5	2.8	2.1	3.2	5.4	3.1	7.4
85 years and over	3.4	2.9	3.7	3.5	2.7	3.9	1.0	1.9	0.7

¹Includes races other than white and black.

²Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see tables 25-29 for 1993 infant mortality rates and "Technical notes" for further discussion of the difference.

Life expectancy

► In 1993 average life expectancy at birth was 75.5 years. Despite decreases in mortality due to cancer, liver disease (Chronic liver disease and cirrhosis), and congenital anomalies, average life expectancy for the total population was 0.3 years shorter than in 1992 (75.8 years). This decrease interrupts the upward trend in life expectancy observed throughout this century, and is the first decline since 1980 (figure 3, table 4). Increases in heart disease, COPD, HIV infection, accidents, pneumonia and influenza, diabetes, and stroke mortality made the largest contributions to the decrease in life expectancy. (For method of determining contribution to change in life expectancy, see "Technical notes.") Some of the increases in chronic disease deaths are the result of the two influenza epidemics of 1993 (3). Between 1992 and 1993, female life expectancy decreased 0.3 years to 78.8 years, while male life expectancy decreased 0.1 years to 72.2 years. These decreases narrowed the gap between the sexes to 6.6 years.

► Between 1992 and 1993, life expectancy for the white population decreased 0.2 years, while life expectancy for the black population decreased 0.4 years.

These decreases increased the gap between the races to 7.1 years.

► Historically, the pattern of change in life expectancy has differed for males and females and for both major race groups (5). Among the four major race-sex groups (figure 3), white females had the highest life expectancy at birth, followed by black females, white males, and black males. In 1993 the gap between black and white male life expectancy increased to 8.5 years, while the gap between white and black female life expectancy decreased to 5.8 years. Between 1992 and 1993, the largest decrease in life expectancy was for black males (0.4 years) followed by white females (0.3 years), black females (0.2 years), and white males (0.1 years).

► In addition to contributing to the decline in life expectancy for the overall population, diabetes contributed to the decline in white and black female life expectancy, while homicide and diabetes contributed to the decline in black male life expectancy.

► The differential in white and black male life expectancy was due primarily to higher black male death rates for homicide, heart disease, cancer, HIV infection,

and perinatal conditions (Certain conditions originating in the perinatal period). Larger increases in the 1993 black male death rates for homicide, heart disease, cancer, and HIV infection contributed to the increase in the race differential. Lower black male death rates for suicide, larger decreases in perinatal conditions and liver disease, and smaller increases in stroke, and pneumonia and influenza offset an even larger differential.

► The differential in white and black female life expectancy was due primarily to higher black female death rates for heart disease, cancer, HIV infection, perinatal conditions, and stroke. Lower black female mortality rates for COPD and suicide offset an even larger gap. Smaller increases in the 1993 rates for black females for cancer, stroke, diabetes, and homicide and a larger rate decrease in perinatal conditions narrowed the gap between the two races.

► The life table may be used to compare life expectancies at any age (table 5). Based on 1993 mortality experience, a person aged 35 years could expect to live, on average, another 42.7 years to age 77.7, while a person aged 65 years could expect to live another 17.3 years to age 82.3.

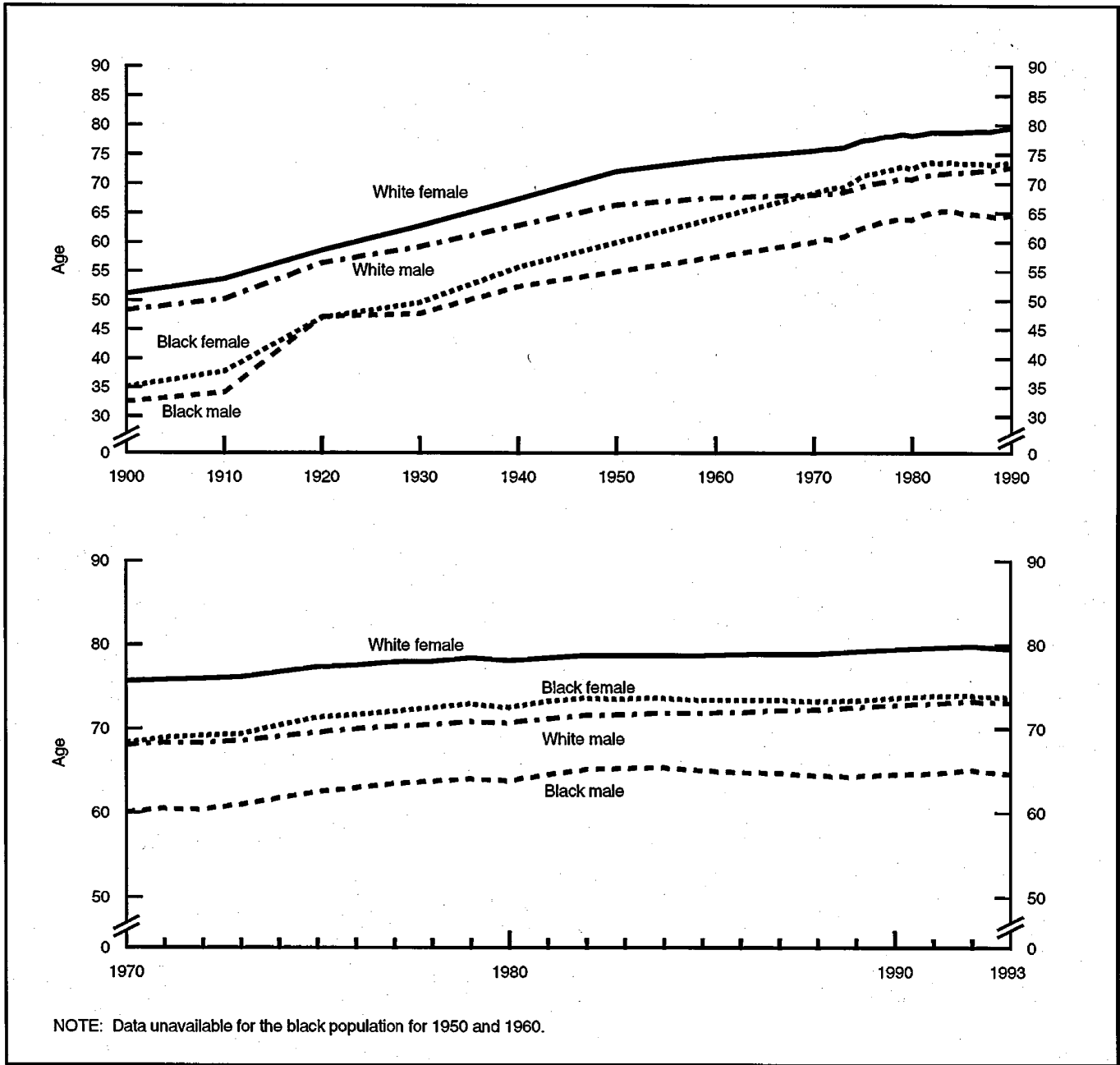


Figure 3. Life expectancy at birth by race and sex, by decade 1900-90, and by calendar year 1970-93

Table 4. Life expectancy at birth by race and sex: United States, 1940, 1950, 1960, and 1970–93

Year	All other											
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
1993	75.5	72.2	78.8	76.3	73.1	79.5	71.5	67.3	75.5	69.2	64.6	73.7
1992	75.8	72.3	79.1	76.5	73.2	79.8	71.8	67.7	75.7	69.6	65.0	73.9
1991	75.5	72.0	78.9	76.3	72.9	79.6	71.5	67.3	75.5	69.3	64.6	73.8
1990	75.4	71.8	78.8	76.1	72.7	79.4	71.2	67.0	75.2	69.1	64.5	73.6
1989	75.1	71.7	78.5	75.9	72.5	79.2	70.9	66.7	74.9	68.8	64.3	73.3
1988	74.9	71.4	78.3	75.6	72.2	78.9	70.8	66.7	74.8	68.9	64.4	73.2
1987	74.9	71.4	78.3	75.6	72.1	78.9	71.0	66.9	75.0	69.1	64.7	73.4
1986	74.7	71.2	78.2	75.4	71.9	78.8	70.9	66.8	74.9	69.1	64.8	73.4
1985	74.7	71.1	78.2	75.3	71.8	78.7	71.0	67.0	74.8	69.3	65.0	73.4
1984	74.7	71.1	78.2	75.3	71.8	78.7	71.1	67.2	74.9	69.5	65.3	73.6
1983	74.6	71.0	78.1	75.2	71.6	78.7	70.9	67.0	74.7	69.4	65.2	73.5
1982	74.5	70.8	78.1	75.1	71.5	78.7	70.9	66.8	74.9	69.4	65.1	73.6
1981	74.1	70.4	77.8	74.8	71.1	78.4	70.3	66.2	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	70.8	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	73.2	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 ¹	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
1960	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3	---	---	---
1950	68.2	65.6	71.1	69.1	66.5	72.2	60.8	59.1	62.9	---	---	---
1940	62.9	60.8	65.2	64.2	62.1	66.6	53.1	51.5	54.9	---	---	---

¹Deaths based on a 50-percent sample.

Table 5. Abridged life table for the total population, 1993

[For explanation of the columns of the life table, see section 6 of *Vital Statistics of the United States, 1990, Volume II*]

Age interval	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
Period of life between two exact ages stated in years (1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x + n$	n^q_x	l_x	n^d_x	nL_x	T_x	o_e_x
0–1	0.00835	100,000	835	99,290	7,553,897	75.5
1–5	0.00177	99,165	176	396,248	7,454,607	75.2
5–10	0.00106	98,989	105	494,659	7,058,359	71.3
10–15	0.00126	98,884	125	494,177	6,563,700	66.4
15–20	0.00431	98,759	426	492,829	6,069,523	61.5
20–25	0.00545	98,333	536	490,352	5,576,694	56.7
25–30	0.00612	97,797	599	487,486	5,086,342	52.0
30–35	0.00797	97,198	775	484,098	4,598,856	47.3
35–40	0.01031	96,423	994	479,771	4,114,758	42.7
40–45	0.01343	95,429	1,282	474,168	3,634,987	38.1
45–50	0.01842	94,147	1,734	466,717	3,160,819	33.6
50–55	0.02808	92,413	2,595	455,985	2,694,102	29.2
55–60	0.04421	89,818	3,971	439,733	2,238,117	24.9
60–65	0.06875	85,847	5,902	415,279	1,798,384	20.9
65–70	0.10148	79,945	8,113	380,318	1,383,105	17.3
70–75	0.14838	71,832	10,658	333,442	1,002,787	14.0
75–80	0.21698	61,174	13,274	273,494	669,345	10.9
80–85	0.32300	47,900	15,472	201,029	395,851	8.3
85 and over	1.00000	32,428	32,428	194,822	194,822	6.0

Leading causes of death

► The 10 leading causes of death and the rankings for those causes for the total population did not change between 1992 and 1993. (For ranking procedures, see “Technical notes.”) Heart disease and cancer, the two leading causes, accounted

for 56.2 percent of all deaths in 1993. Age-adjusted death rates for all but 1 of the 10 leading causes of death increased in 1993 (table 6). The largest increase was for HIV infection; the smallest increase was for heart disease. Only death rates for cancer decreased.

► The 1993 increases in age-adjusted rates for leading causes of death are inconsistent with generally downward trends. The age-adjusted rates for heart disease and stroke have been decreasing since 1950, and the rate for accidents has been decreasing since 1969 (figure 4).

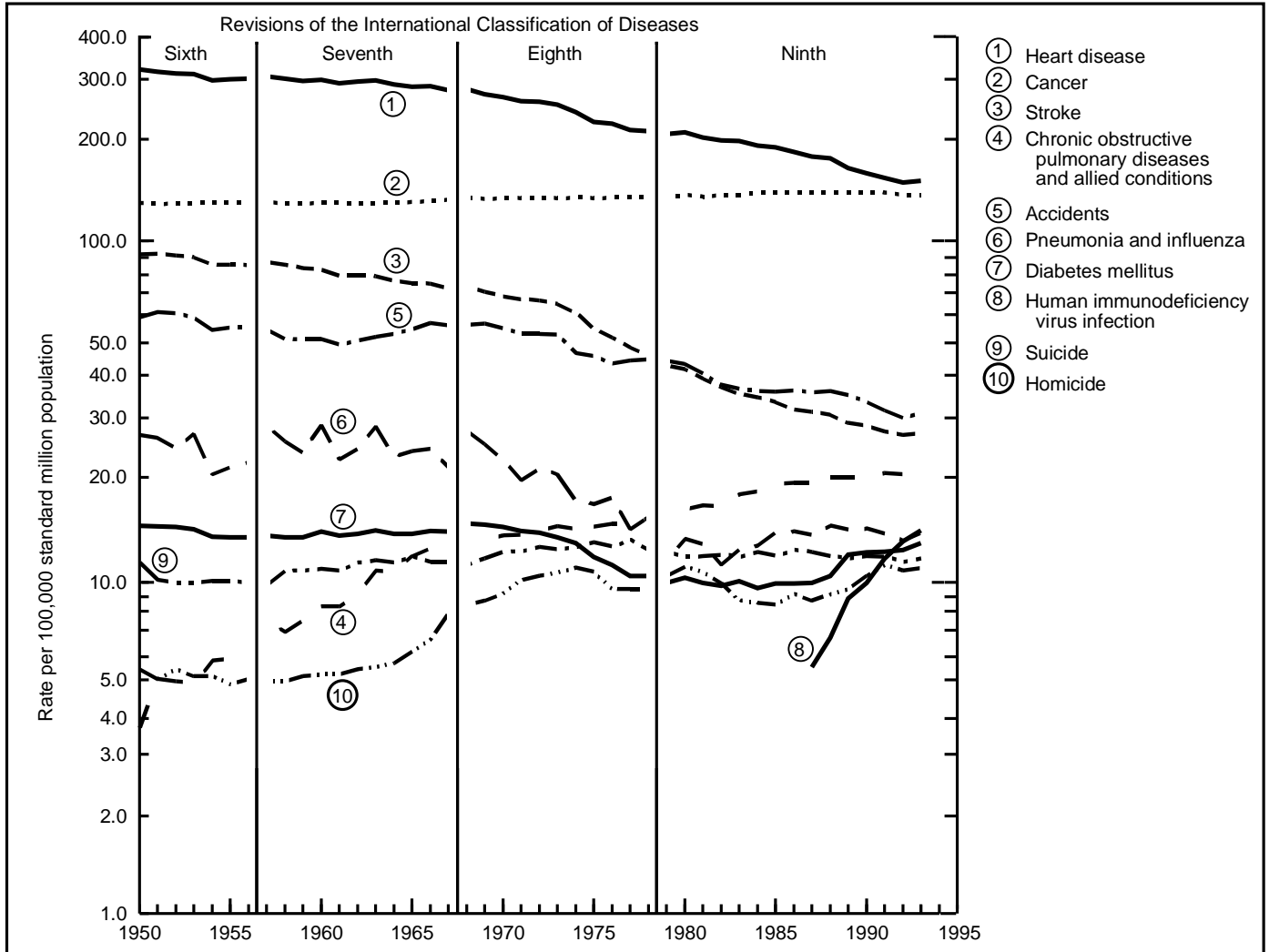


Figure 4. Age-adjusted death rates for 10 leading causes of death: United States, 1950–93

The age-adjusted death rate for homicide increased between 1992 and 1993, resuming a trend begun in 1988 and interrupted in 1992 by a decrease. The increase in the death rate for diabetes was larger in 1993 than in the previous three years (1.0 percent each year for 1990–92) but was still much smaller than the dramatic 14-percent increase in 1989 (6). For information on the effect of the 1989 revision of the death certificate, see “Technical notes.”

► The age-adjusted death rates for males were higher than the rates for females for all causes of death combined and for each of the 10 leading causes of death (table 6). The age-adjusted death rates for the black population were higher than the rates for the white population for all causes of death combined and for 8 of the 10 leading causes.

► Leading causes of death differed by rank according to the combination of sex and race group examined (figure 5). Heart disease and cancer were the first and second leading causes for males and females; but the remaining eight leading causes differed by rank for each sex. Heart disease, cancer, stroke, and diabetes ranked first, second, third, and seventh, respectively, for the white and black populations; but the remaining causes differed by rank for each race group.

► In 1993 accidents were the leading cause of death for persons aged 1–4, 5–14, 15–24, and 25–44 years. Cancer was the leading cause of death for persons aged 45–64 years, and heart disease was the leading cause for persons aged 65 years and over. Leading causes of death differed by rank according to the combination of sex, race, and age group examined (tables 7 and 8).

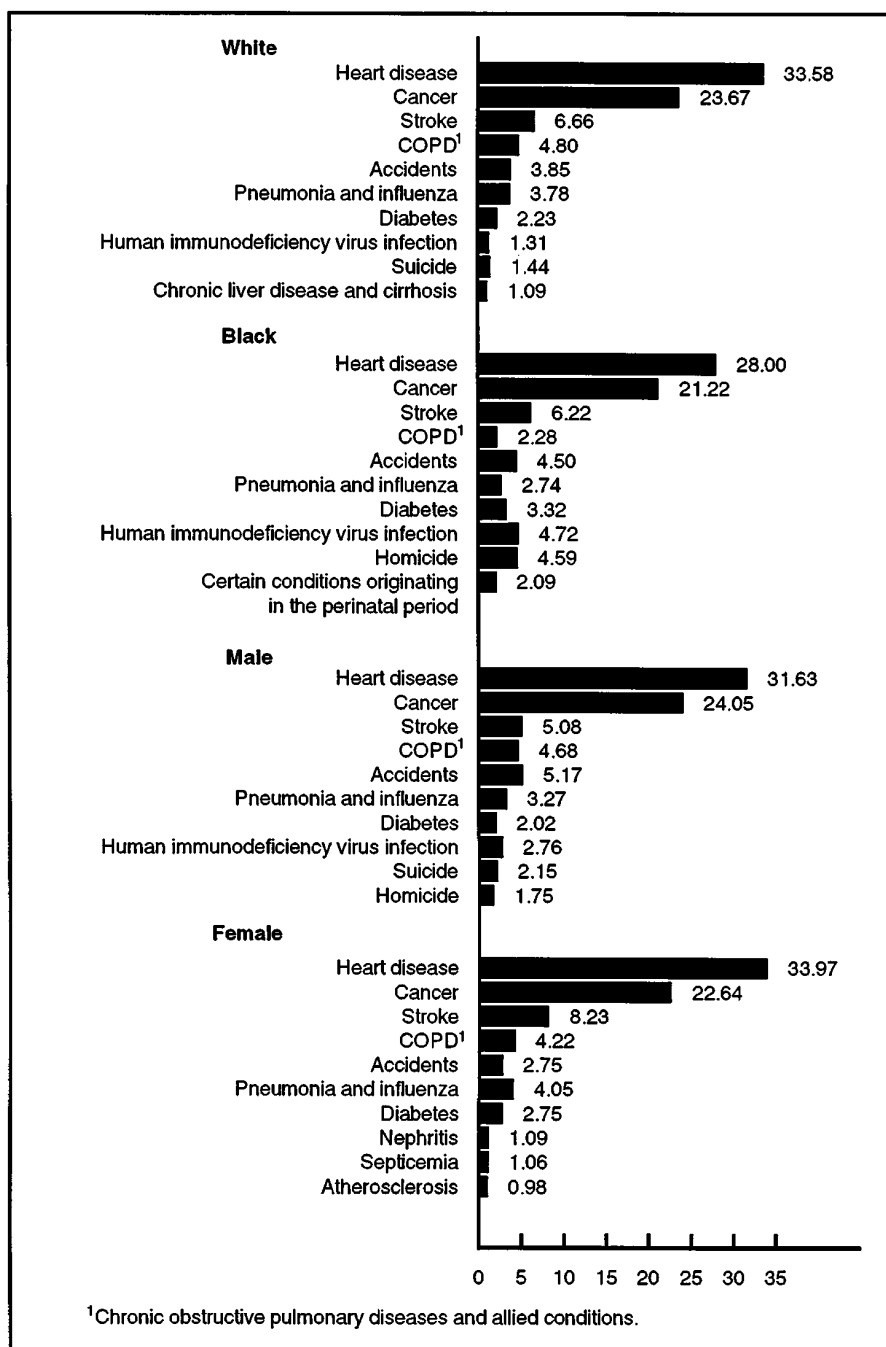


Figure 5. Ten leading causes of death and percent of total deaths, by race and sex: United States, 1993

Table 6. Percent of total deaths, death rates, age-adjusted death rates for 1993, percent change in age-adjusted death rates from 1992 to 1993 and 1979 to 1993, and ratio of age-adjusted death rates by race and sex for the 10 leading causes of death for the total population in 1993: United States

[Crude death rates on an annual basis per 100,000 population; age-adjusted rates per 100,000 U.S. standard million population; see "Technical notes." For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Rank ¹	Cause of death (Ninth Revision, International Classification of Diseases, 1975)	Percent of total deaths	Death rate	Percent change from—			Ratio of—	
				Age-adjusted death rates for 1993	1992 to 1993	1979 to 1993	Male to female	Black to white
...	All causes	100.0	880.0	513.3	1.7	-11.0	1.71	1.62
1	Diseases of heart390-398,402,404-429	32.8	288.4	145.3	0.7	-27.2	1.86	1.49
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140-208	23.4	205.6	132.6	-0.4	1.4	1.45	1.37
3	Cerebrovascular diseases430-438	6.6	58.2	26.5	1.1	-36.3	1.18	1.84
4	Chronic obstructive pulmonary diseases and allied conditions490-496	4.5	39.2	21.4	7.5	46.6	1.63	0.81
5	Accidents and adverse effectsE800-E949	4.0	35.1	30.3	3.1	-29.4	2.60	1.30
...	Motor vehicle accidentsE810-E825	1.8	16.3	16.0	1.3	-31.0	2.34	1.01
...	All other accidents and adverse effects. . .E800-E807,E826-E949	2.1	18.9	14.4	5.1	-26.5	2.93	1.63
6	Pneumonia and influenza480-487	3.7	32.1	13.5	6.3	20.5	1.64	1.44
7	Diabetes mellitus250	2.4	20.9	12.4	4.2	26.5	1.15	2.44
8	Human immunodeficiency virus infection.*042-*044	1.6	14.5	13.8	9.5	---	6.34	3.96
9	SuicideE950-E959	1.4	12.1	11.3	1.8	-3.4	4.35	0.60
10	Homicide and legal interventionE960-E978	1.1	10.1	10.7	1.9	4.9	3.78	6.82
...	All other causesResidual	18.6	163.9	---	---	---	---	---

¹Rank based on number of deaths; see "Technical notes."

Table 7. Number of deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1993

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)				Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)			
Rank ¹		Number	Rate	Rank ¹		Number	Rate
All races ² , both sexes, all ages ³				All races ² , both sexes, 15–24 years			
...	All causes	2,268,553	880.0	...	All causes	35,483	98.5
1	Diseases of heart.390–398,402,404–429	743,460	288.4	1	Accidents and adverse effects.E800–E949	13,966	38.8
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	529,904	205.6	...	Motor vehicle accidentsE810–E825	10,500	29.1
3	Cerebrovascular diseases430–438	150,108	58.2	...	All other accidents and adverse effectsE800–E807,E826–E949	3,466	9.6
4	Chronic obstructive pulmonary diseases and allied conditions.490–496	101,077	39.2	2	Homicide and legal interventionE960–E978	8,424	23.4
5	Accidents and adverse effects.E800–E949	90,523	35.1	3	SuicideE950–E959	4,849	13.5
...	Motor vehicle accidentsE810–E825	41,893	16.3	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	1,738	4.8
...	All other accidents and adverse effectsE800–E807,E826–E949	48,630	18.9	5	Diseases of heart.390–398,402,404–429	981	2.7
6	Pneumonia and influenza480–487	82,820	32.1	6	Human immunodeficiency virus infection*042–*044	609	1.7
7	Diabetes mellitus.250	53,894	20.9	7	Congenital anomalies.740–759	472	1.3
8	Human immunodeficiency virus infection*042–*044	37,267	14.5	8	Pneumonia and influenza480–487	251	0.7
9	SuicideE950–E959	31,102	12.1	9	Cerebrovascular diseases430–438	208	0.6
10	Homicide and legal intervention. . . .E960–E978	26,009	10.1	10	Chronic obstructive pulmonary diseases and allied conditions.490–496	206	0.6
...	All other causesResidual	422,389	163.9	...	All other causesResidual	3,779	10.5
All races ² , both sexes, 1–4 years				All races ² , both sexes, 25–44 years			
...	All causes	7,066	44.8	...	All causes	155,683	188.3
1	Accidents and adverse effects.E800–E949	2,590	16.4	1	Accidents and adverse effects.E800–E949	27,277	33.0
...	Motor vehicle accidentsE810–E825	891	5.6	...	Motor vehicle accidentsE810–E825	14,283	17.3
...	All other accidents and adverse effectsE800–E807,E826–E949	1,699	10.8	...	All other accidents and adverse effectsE800–E807,E826–E949	12,994	15.7
2	Congenital anomalies.740–759	804	5.1	2	Human immunodeficiency virus infection*042–*044	27,228	32.9
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	522	3.3	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	21,834	26.4
4	Homicide and legal intervention. . . .E960–E978	464	2.9	4	Diseases of heart.390–398,402,404–429	16,660	20.2
5	Diseases of heart.390–398,402,404–429	296	1.9	5	SuicideE950–E959	12,477	15.1
6	Human immunodeficiency virus infection*042–*044	204	1.3	6	Homicide and legal intervention.E960–E978	11,815	14.3
7	Pneumonia and influenza480–487	182	1.2	7	Chronic liver disease and cirrhosis571	4,477	5.4
8	Certain conditions originating in the perinatal period.760–779	100	0.6	8	Cerebrovascular diseases430–438	3,316	4.0
9	Septicemia038	96	0.6	9	Diabetes mellitus.250	2,299	2.8
10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature.210–239	77	0.5	10	Pneumonia and influenza480–487	2,275	2.8
...	All other causesResidual	1,731	11.0	...	All other causesResidual	26,025	31.5
All races ² , both sexes, 5–14 years				All races ² , both sexes, 45–64 years			
...	All causes	8,658	23.4	...	All causes	373,396	753.1
1	Accidents and adverse effects.E800–E949	3,466	9.4	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	133,057	268.4
...	Motor vehicle accidentsE810–E825	1,963	5.3	2	Diseases of heart.390–398,402,404–429	104,722	211.2
...	All other accidents and adverse effectsE800–E807,E826–E949	1,503	4.1	3	Cerebrovascular diseases430–438	14,682	29.6
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	1,089	2.9	4	Accidents and adverse effects.E800–E949	14,434	29.1
3	Homicide and legal intervention. . . .E960–E978	656	1.8	...	Motor vehicle accidentsE810–E825	6,711	13.5
4	Congenital anomalies.740–759	485	1.3	...	All other accidents and adverse effectsE800–E807,E826–E949	7,723	15.6
5	SuicideE950–E959	321	0.9	5	Chronic obstructive pulmonary diseases and allied conditions.490–496	13,165	26.6
6	Diseases of heart.390–398,402,404–429	303	0.8	6	Diabetes mellitus.250	10,927	22.0
7	Human immunodeficiency virus infection*042–*044	155	0.4	7	Chronic liver disease and cirrhosis571	10,316	20.8
8	Chronic obstructive pulmonary diseases and allied conditions.490–496	138	0.4	8	Human immunodeficiency virus infection*042–*044	8,330	16.8
9	Pneumonia and influenza480–487	135	0.4	9	SuicideE950–E959	7,229	14.6
10	Cerebrovascular diseases430–438	79	0.2	10	Pneumonia and influenza480–487	5,583	11.3
...	All other causesResidual	1,831	4.9	...	All other causesResidual	50,951	102.8

See footnotes at end of table.

Table 7. Number of deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1993—Con.

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)				Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)			
Rank ¹		Number	Rate	Rank ¹		Number	Rate
All races ² , both sexes, 65 years and over				All races, male, 5–14 years			
...	All causes	1,654,294	5,047.7	...	All causes	5,207	27.4
1	Diseases of heart390–398,402,404–429	619,755	1,891.0	1	Accidents and adverse effectsE800–E949	2,247	11.8
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	371,549	1,133.7	...	Motor vehicle accidentsE810–E825	1,202	6.3
3	Cerebrovascular diseases430–438	131,551	401.4	...	All other accidents and adverse effectsE800–E807,E826–E949	1,045	5.5
4	Chronic obstructive pulmonary diseases and allied conditions490–496	86,425	263.7	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	621	3.3
5	Pneumonia and influenza480–487	73,853	225.3	3	Homicide and legal interventionE960–E978	408	2.2
6	Diabetes mellitus250	40,502	123.6	4	Congenital anomalies740–759	264	1.4
7	Accidents and adverse effectsE800–E949	27,784	84.8	5	SuicideE950–E959	233	1.2
...	Motor vehicle accidentsE810–E825	7,321	22.3	6	Diseases of heart390–398,402,404–429	149	0.8
...	All other accidents and adverse effectsE800–E807,E826–E949	20,463	62.4	7	Chronic obstructive pulmonary diseases and allied conditions490–496	79	0.4
8	Nephritis, nephrotic syndrome, and nephrosis580–589	19,743	60.2	8	Human immunodeficiency virus infection*042–*044	78	0.4
9	Septicemia038	16,846	51.4	9	Pneumonia and influenza480–487	72	0.4
10	Atherosclerosis440	16,460	50.2	10	Cerebrovascular diseases430–438	48	0.3
...	All other causesResidual	249,826	762.3	...	All other causesResidual	1,008	5.3
All races, male, all ages ³				All races, male, 15–24 years			
...	All causes	1,161,797	923.5	...	All causes	26,906	146.2
1	Diseases of heart390–398,402,404–429	367,479	292.1	1	Accidents and adverse effectsE800–E949	10,601	57.6
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	279,375	222.1	...	Motor vehicle accidentsE810–E825	7,687	41.8
3	Accidents and adverse effectsE800–E949	60,117	47.8	...	All other accidents and adverse effectsE800–E807,E826–E949	2,914	15.8
...	Motor vehicle accidentsE810–E825	28,531	22.7	2	Homicide and legal interventionE960–E978	7,206	39.2
...	All other accidents and adverse effectsE800–E807,E826–E949	31,586	25.1	3	SuicideE950–E959	4,119	22.4
4	Cerebrovascular diseases430–438	59,048	46.9	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	1,013	5.5
5	Chronic obstructive pulmonary diseases and allied conditions490–496	54,371	43.2	5	Diseases of heart390–398,402,404–429	627	3.4
6	Pneumonia and influenza480–487	37,996	30.2	6	Human immunodeficiency virus infection*042–*044	414	2.3
7	Human immunodeficiency virus infection*042–*044	32,093	25.5	7	Congenital anomalies740–759	277	1.5
8	SuicideE950–E959	25,007	19.9	8	Chronic obstructive pulmonary diseases and allied conditions490–496	128	0.7
9	Diabetes mellitus250	23,430	18.6	9	Pneumonia and influenza480–487	127	0.7
10	Homicide and legal interventionE960–E978	20,290	16.1	10	Cerebrovascular diseases430–438	94	0.5
...	All other causesResidual	202,591	161.0	...	All other causesResidual	2,300	12.5
All races, male, 1–4 years				All races, male, 25–44 years			
...	All causes	3,992	49.5	...	All causes	110,082	267.5
1	Accidents and adverse effectsE800–E949	1,545	19.1	1	Human immunodeficiency virus infection*042–*044	23,460	57.0
...	Motor vehicle accidentsE810–E825	489	6.1	2	Accidents and adverse effectsE800–E949	21,068	51.2
...	All other accidents and adverse effectsE800–E807,E826–E949	1,056	13.1	...	Motor vehicle accidentsE810–E825	10,443	25.4
2	Congenital anomalies740–759	388	4.8	...	All other accidents and adverse effectsE800–E807,E826–E949	10,625	25.8
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	301	3.7	3	Diseases of heart390–398,402,404–429	11,933	29.0
4	Homicide and legal interventionE960–E978	274	3.4	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	10,180	24.7
5	Diseases of heart390–398,402,404–429	164	2.0	5	SuicideE950–E959	10,060	24.4
6	Human immunodeficiency virus infection*042–*044	104	1.3	6	Homicide and legal interventionE960–E978	9,162	22.3
7	Pneumonia and influenza480–487	93	1.2	7	Chronic liver disease and cirrhosis571	3,211	7.8
8	Certain conditions originating in the perinatal period760–779	68	0.8	8	Cerebrovascular diseases430–438	1,785	4.3
9	Septicemia038	51	0.6	9	Pneumonia and influenza480–487	1,434	3.5
10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature210–239	47	0.6	10	Diabetes mellitus250	1,343	3.3
...	All other causesResidual	957	11.9	...	All other causesResidual	16,446	40.0

See footnotes at end of table.

Table 7. Number of deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1993—Con.

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)				Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)			
Rank ¹		Number	Rate	Rank ¹		Number	Rate
All races, male, 45–64 years				All races, female, 1–4 years			
...	All causes	230,354	962.7	...	All causes	3,074	39.9
1	Diseases of heart390–398,402,404–429	73,750	308.2	1	Accidents and adverse effectsE800–E949	1,045	13.6
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	71,462	298.7	...	Motor vehicle accidentsE810–E825	402	5.2
3	Accidents and adverse effectsE800–E949	10,265	42.9	...	All other accidents and adverse effectsE800–E807,E826–E949	643	8.3
...	Motor vehicle accidentsE810–E825	4,520	18.9	2	Congenital anomalies740–759	416	5.4
...	All other accidents and adverse effectsE800–E807,E826–E949	5,745	24.0	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	221	2.9
4	Cerebrovascular diseases430–438	7,958	33.3	4	Homicide and legal interventionE960–E978	190	2.5
5	Human immunodeficiency virus infection*042–*044	7,472	31.2	5	Diseases of heart390–398,402,404–429	132	1.7
6	Chronic liver disease and cirrhosis571	7,247	30.3	6	Human immunodeficiency virus infection*042–*044	100	1.3
7	Chronic obstructive pulmonary diseases and allied conditions490–496	7,099	29.7	7	Pneumonia and influenza480–487	89	1.2
8	Diabetes mellitus250	5,701	23.8	8	Septicemia038	45	0.6
9	SuicideE950–E959	5,506	23.0	9	Certain conditions originating in the perinatal period760–779	32	0.4
10	Pneumonia and influenza480–487	3,388	14.2	10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature210–239	30	0.4
...	All other causesResidual	30,506	127.5	...	All other causesResidual	774	10.0
All races, male, 65 years and over				All races, female, 5–14 years			
...	All causes	765,943	5,767.8	...	All causes	3,451	19.1
1	Diseases of heart390–398,402,404–429	280,443	2,111.8	1	Accidents and adverse effectsE800–E949	1,219	6.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	195,730	1,473.9	...	Motor vehicle accidentsE810–E825	761	4.2
3	Cerebrovascular diseases430–438	49,013	369.1	...	All other accidents and adverse effectsE800–E807,E826–E949	458	2.5
4	Chronic obstructive pulmonary diseases and allied conditions490–496	46,504	350.2	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	468	2.6
5	Pneumonia and influenza480–487	32,564	245.2	3	Homicide and legal interventionE960–E978	248	1.4
6	Diabetes mellitus250	16,301	122.8	4	Congenital anomalies740–759	221	1.2
7	Accidents and adverse effectsE800–E949	13,791	103.9	5	Diseases of heart390–398,402,404–429	154	0.9
...	Motor vehicle accidentsE810–E825	4,064	30.6	6	SuicideE950–E959	88	0.5
...	All other accidents and adverse effectsE800–E807,E826–E949	9,727	73.2	7	Human immunodeficiency virus infection*042–*044	77	0.4
8	Nephritis, nephrotic syndrome, and nephrosis580–589	9,212	69.4	8	Pneumonia and influenza480–487	63	0.3
9	Septicemia038	6,831	51.4	9	Chronic obstructive pulmonary diseases and allied conditions490–496	59	0.3
10	Atherosclerosis440	5,886	44.3	10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature210–239	37	0.2
...	All other causesResidual	109,668	825.8	...	All other causesResidual	817	4.5
All races, female, all ages ³				All races, female, 15–24 years			
...	All causes	1,106,756	838.6	...	All causes	8,577	48.6
1	Diseases of heart390–398,402,404–429	375,981	284.9	1	Accidents and adverse effectsE800–E949	3,365	19.1
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	250,529	189.8	...	Motor vehicle accidentsE810–E825	2,813	16.0
3	Cerebrovascular diseases430–438	91,060	69.0	...	All other accidents and adverse effectsE800–E807,E826–E949	552	3.1
4	Chronic obstructive pulmonary diseases and allied conditions490–496	46,706	35.4	2	Homicide and legal interventionE960–E978	1,218	6.9
5	Pneumonia and influenza480–487	44,824	34.0	3	SuicideE950–E959	730	4.1
6	Diabetes mellitus250	30,464	23.1	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	725	4.1
7	Accidents and adverse effectsE800–E949	30,406	23.0	5	Diseases of heart390–398,402,404–429	354	2.0
...	Motor vehicle accidentsE810–E825	13,362	10.1	6	Human immunodeficiency virus infection*042–*044	195	1.1
...	All other accidents and adverse effectsE800–E807,E826–E949	17,044	12.9	6	Congenital anomalies740–759	195	1.1
8	Nephritis, nephrotic syndrome, and nephrosis580–589	12,107	9.2	8	Pneumonia and influenza480–487	124	0.7
9	Septicemia038	11,718	8.9	9	Cerebrovascular diseases430–438	114	0.6
10	Atherosclerosis440	10,862	8.2	10	Complications of pregnancy, childbirth, and the puerperium630–676	83	0.5
...	All other causesResidual	202,099	153.1	...	All other causesResidual	1,474	8.4

See footnotes at end of table.

Table 7. Number of deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1993—Con.

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

<i>Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)</i>				<i>Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)</i>			
Rank ¹		Number	Rate	Rank ¹		Number	Rate
All races, female, 25–44 years				White, both sexes, all ages ³			
...	All causes	45,601	109.8	...	All causes	1,951,437	908.5
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	11,654	28.1	1	Diseases of heart390–398,402,404–429	655,365	305.1
2	Accidents and adverse effectsE800–E949	6,209	15.0	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	461,904	215.1
...	Motor vehicle accidentsE810–E825	3,840	9.3	3	Cerebrovascular diseases430–438	129,992	60.5
...	All other accidents and adverse effectsE800–E807,E826–E949	2,369	5.7	4	Chronic obstructive pulmonary diseases and allied conditions490–496	93,615	43.6
3	Diseases of heart390–398,402,404–429	4,727	11.4	5	Accidents and adverse effectsE800–E949	75,218	35.0
4	Human immunodeficiency virus infection *042–*044	3,768	9.1	...	Motor vehicle accidentsE810–E825	35,194	16.4
5	Homicide and legal interventionE960–E978	2,653	6.4	...	All other accidents and adverse effectsE800–E807,E826–E949	40,024	18.6
6	SuicideE950–E959	2,417	5.8	6	Pneumonia and influenza480–487	73,720	34.3
7	Cerebrovascular diseases430–438	1,531	3.7	7	Diabetes mellitus250	43,461	20.2
8	Chronic liver disease and cirrhosis571	1,266	3.0	8	SuicideE950–E959	28,035	13.1
9	Diabetes mellitus250	956	2.3	9	Human immunodeficiency virus infection *042–*044	23,586	11.0
10	Pneumonia and influenza480–487	841	2.0	10	Chronic liver disease and cirrhosis571	21,348	9.9
...	All other causesResidual	9,579	23.1	...	All other causesResidual	345,193	160.7
All races, female, 45–64 years				White, both sexes, 1–4 years			
...	All causes	143,042	557.6	...	All causes	4,793	38.3
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	61,595	240.1	1	Accidents and adverse effectsE800–E949	1,821	14.6
2	Diseases of heart390–398,402,404–429	30,972	120.7	...	Motor vehicle accidentsE810–E825	634	5.1
3	Cerebrovascular diseases430–438	6,724	26.2	...	All other accidents and adverse effectsE800–E807,E826–E949	1,187	9.5
4	Chronic obstructive pulmonary diseases and allied conditions490–496	6,066	23.6	2	Congenital anomalies740–759	597	4.8
5	Diabetes mellitus250	5,226	20.4	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	422	3.4
6	Accidents and adverse effectsE800–E949	4,169	16.3	4	Homicide and legal interventionE960–E978	223	1.8
...	Motor vehicle accidentsE810–E825	2,191	8.5	5	Diseases of heart390–398,402,404–429	190	1.5
...	All other accidents and adverse effectsE800–E807,E826–E949	1,978	7.7	6	Pneumonia and influenza480–487	117	0.9
7	Chronic liver disease and cirrhosis571	3,069	12.0	7	Human immunodeficiency virus infection *042–*044	75	0.6
8	Pneumonia and influenza480–487	2,195	8.6	8	Septicemia038	66	0.5
9	SuicideE950–E959	1,723	6.7	8	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature210–239	66	0.5
10	Nephritis, nephrotic syndrome, and nephrosis580–589	1,197	4.7	10	Certain conditions originating in the perinatal period760–779	58	0.5
...	All other causesResidual	20,106	78.4	...	All other causesResidual	1,158	9.3
All races, female, 65 years and over				White, both sexes, 5–14 years			
...	All causes	888,351	4,557.1	...	All causes	6,310	21.4
1	Diseases of heart390–398,402,404–429	339,312	1,740.6	1	Accidents and adverse effectsE800–E949	2,527	8.6
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	175,819	901.9	...	Motor vehicle accidentsE810–E825	1,505	5.1
3	Cerebrovascular diseases430–438	82,538	423.4	...	All other accidents and adverse effectsE800–E807,E826–E949	1,022	3.5
4	Pneumonia and influenza480–487	41,289	211.8	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	899	3.0
5	Chronic obstructive pulmonary diseases and allied conditions490–496	39,921	204.8	3	Congenital anomalies740–759	393	1.3
6	Diabetes mellitus250	24,201	124.1	4	Homicide and legal interventionE960–E978	342	1.2
7	Accidents and adverse effectsE800–E949	13,993	71.8	5	SuicideE950–E959	262	0.9
...	Motor vehicle accidentsE810–E825	3,257	16.7	6	Diseases of heart390–398,402,404–429	215	0.7
...	All other accidents and adverse effectsE800–E807,E826–E949	10,736	55.1	7	Pneumonia and influenza480–487	109	0.4
8	Atherosclerosis440	10,574	54.2	8	Human immunodeficiency virus infection *042–*044	75	0.3
9	Nephritis, nephrotic syndrome, and nephrosis580–589	10,531	54.0	9	Chronic obstructive pulmonary diseases and allied conditions490–496	73	0.2
10	Septicemia038	10,015	51.4	10	Cerebrovascular diseases430–438	53	0.2
...	All other causesResidual	140,158	719.0	10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature210–239	53	0.2
...				...	All other causesResidual	1,309	4.4

See footnotes at end of table.

Table 7. Number of deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1993—Con.

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)				Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)			
Rank ¹		Number	Rate	Rank ¹		Number	Rate
White, both sexes, 15–24 years				White, both sexes, 65 years and over			
...	All causes	24,496	84.7	...	All causes	1,483,052	5,036.6
1	Accidents and adverse effects.E800–E949	11,562	40.0	1	Diseases of heart.390–398,402,404–429	558,151	1,895.6
...	Motor vehicle accidentsE810–E825	8,903	30.8	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	330,778	1,123.4
...	All other accidents and adverse effectsE800–E807,E826–E949	2,659	9.2	3	Cerebrovascular diseases430–438	117,003	397.4
2	SuicideE950–E959	4,037	14.0	4	Chronic obstructive pulmonary diseases and allied conditions490–496	81,157	275.6
3	Homicide and legal intervention.E960–E978	3,128	10.8	5	Pneumonia and influenza480–487	67,262	228.4
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	1,365	4.7	6	Diabetes mellitus.250	33,712	114.5
5	Diseases of heart.390–398,402,404–429	635	2.2	7	Accidents and adverse effects.E800–E949	24,927	84.7
6	Congenital anomalies740–759	380	1.3	...	Motor vehicle accidentsE810–E825	6,581	22.3
7	Human immunodeficiency virus infection*042–*044	290	1.0	...	All other accidents and adverse effectsE800–E807,E826–E949	18,346	62.3
8	Pneumonia and influenza480–487	168	0.6	8	Nephritis, nephrotic syndrome, and nephrosis.580–589	16,547	56.2
9	Cerebrovascular diseases430–438	159	0.5	9	Atherosclerosis440	15,258	51.8
10	Chronic obstructive pulmonary diseases and allied conditions.490–496	120	0.4	10	Septicemia038	14,135	48.0
...	All other causesResidual	2,652	9.2	...	All other causesResidual	224,122	761.1
White, both sexes, 25–44 years				White male, all ages ³			
...	All causes	110,844	161.8	...	All causes	988,329	938.8
1	Accidents and adverse effects.E800–E949	21,965	32.1	1	Diseases of heart.390–398,402,404–429	323,802	307.6
...	Motor vehicle accidentsE810–E825	11,802	17.2	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	241,908	229.8
...	All other accidents and adverse effectsE800–E807,E826–E949	10,163	14.8	3	Cerebrovascular diseases430–438	50,220	47.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	17,268	25.2	4	Chronic obstructive pulmonary diseases and allied conditions490–496	49,812	47.3
3	Human immunodeficiency virus infection*042–*044	17,174	25.1	5	Accidents and adverse effects.E800–E949	49,515	47.0
4	Diseases of heart.390–398,402,404–429	11,729	17.1	...	Motor vehicle accidentsE810–E825	23,874	22.7
5	SuicideE950–E959	11,011	16.1	...	All other accidents and adverse effectsE800–E807,E826–E949	25,641	24.4
6	Homicide and legal intervention.E960–E978	5,643	8.2	6	Pneumonia and influenza480–487	33,151	31.5
7	Chronic liver disease and cirrhosis571	3,332	4.9	7	SuicideE950–E959	22,524	21.4
8	Cerebrovascular diseases430–438	2,140	3.1	8	Human immunodeficiency virus infection*042–*044	21,455	20.4
9	Diabetes mellitus.250	1,666	2.4	9	Diabetes mellitus.250	19,311	18.3
10	Pneumonia and influenza480–487	1,482	2.2	10	Chronic liver disease and cirrhosis571	13,821	13.1
...	All other causesResidual	17,434	25.4	...	All other causesResidual	162,810	154.7
White, both sexes, 45–64 years				White male, 1–4 years			
...	All causes	300,106	701.3	...	All causes	2,747	42.9
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	111,094	259.6	1	Accidents and adverse effects.E800–E949	1,099	17.1
2	Diseases of heart.390–398,402,404–429	83,970	196.2	...	Motor vehicle accidentsE810–E825	343	5.4
3	Accidents and adverse effects.E800–E949	11,726	27.4	...	All other accidents and adverse effectsE800–E807,E826–E949	756	11.8
...	Motor vehicle accidentsE810–E825	5,604	13.1	2	Congenital anomalies740–759	293	4.6
...	All other accidents and adverse effectsE800–E807,E826–E949	6,122	14.3	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	248	3.9
4	Chronic obstructive pulmonary diseases and allied conditions490–496	11,576	27.1	4	Homicide and legal intervention.E960–E978	138	2.2
5	Cerebrovascular diseases430–438	10,445	24.4	5	Diseases of heart.390–398,402,404–429	110	1.7
6	Chronic liver disease and cirrhosis571	8,528	19.9	6	Pneumonia and influenza480–487	61	1.0
7	Diabetes mellitus.250	7,978	18.6	7	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature.210–239	40	0.6
8	SuicideE950–E959	6,755	15.8	8	Certain conditions originating in the perinatal period.760–779	39	0.6
9	Human immunodeficiency virus infection*042–*044	5,534	12.9	9	Human immunodeficiency virus infection*042–*044	36	0.6
10	Pneumonia and influenza480–487	4,255	9.9	10	Septicemia038	34	0.5
...	All other causesResidual	38,245	89.4	...	All other causesResidual	649	10.1

See footnotes at end of table.

Table 7. Number of deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1993—Con.

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)				Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)			
Rank ¹		Number	Rate	Rank ¹		Number	Rate
White male, 5–14 years				White male, 45–64 years			
...	All causes	3,824	25.2	...	All causes	186,419	893.6
1	Accidents and adverse effects.E800–E949	1,670	11.0	1	Diseases of heart.390–398,402,404–429	60,868	291.8
...	Motor vehicle accidentsE810–E825	937	6.2	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	59,244	284.0
...	All other accidents and adverse effectsE800–E807,E826–E949	733	4.8	3	Accidents and adverse effects.E800–E949	8,277	39.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	515	3.4	...	Motor vehicle accidents.E810–E825	3,733	17.9
3	Congenital anomalies740–759	207	1.4	...	All other accidents and adverse effectsE800–E807,E826–E949	4,544	21.8
4	Homicide and legal intervention.E960–E978	201	1.3	4	Chronic obstructive pulmonary diseases and allied conditions.490–496	6,191	29.7
5	SuicideE950–E959	186	1.2	5	Chronic liver disease and cirrhosis571	6,048	29.0
6	Diseases of heart.390–398,402,404–429	106	0.7	6	Cerebrovascular diseases430–438	5,655	27.1
7	Pneumonia and influenza480–487	56	0.4	7	Human immunodeficiency virus infection*042–*044	5,144	24.7
8	Human immunodeficiency virus infection*042–*044	44	0.3	8	SuicideE950–E959	5,142	24.6
9	Chronic obstructive pulmonary diseases and allied conditions.490–496	39	0.3	9	Diabetes mellitus.250	4,343	20.8
10	Cerebrovascular diseases430–438	31	0.2	10	Pneumonia and influenza480–487	2,538	12.2
...	All other causesResidual	769	5.1	...	All other causesResidual	22,969	110.1
White male, 15–24 years				White male, 65 years and over			
...	All causes	18,241	123.0	...	All causes	684,944	5,724.4
1	Accidents and adverse effects.E800–E949	8,734	58.9	1	Diseases of heart.390–398,402,404–429	253,266	2,116.7
...	Motor vehicle accidentsE810–E825	6,499	43.8	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	172,902	1,445.0
...	All other accidents and adverse effectsE800–E807,E826–E949	2,235	15.1	3	Chronic obstructive pulmonary diseases and allied conditions.490–496	43,170	360.8
2	SuicideE950–E959	3,433	23.1	4	Cerebrovascular diseases430–438	43,169	360.8
3	Homicide and legal intervention.E960–E978	2,535	17.1	5	Pneumonia and influenza480–487	29,270	244.6
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	805	5.4	6	Diabetes mellitus.250	13,932	116.4
5	Diseases of heart.390–398,402,404–429	411	2.8	7	Accidents and adverse effects.E800–E949	12,237	102.3
6	Congenital anomalies740–759	222	1.5	...	Motor vehicle accidents.E810–E825	3,606	30.1
7	Human immunodeficiency virus infection*042–*044	221	1.5	...	All other accidents and adverse effectsE800–E807,E826–E949	8,631	72.1
8	Pneumonia and influenza480–487	85	0.6	8	Nephritis, nephrotic syndrome, and nephrosis580–589	7,846	65.6
9	Chronic obstructive pulmonary diseases and allied conditions.490–496	71	0.5	9	Septicemia038	5,684	47.5
10	Cerebrovascular diseases430–438	68	0.5	10	Atherosclerosis440	5,429	45.4
...	All other causesResidual	1,656	11.2	...	All other causesResidual	98,039	819.4
White male, 25–44 years				White female, all ages³			
...	All causes	79,678	231.2	...	All causes	963,108	879.4
1	Accidents and adverse effects.E800–E949	17,081	49.6	1	Diseases of heart.390–398,402,404–429	331,563	302.8
...	Motor vehicle accidents.E810–E825	8,663	25.1	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	219,996	200.9
...	All other accidents and adverse effectsE800–E807,E826–E949	8,418	24.4	3	Cerebrovascular diseases430–438	79,772	72.8
2	Human immunodeficiency virus infection*042–*044	15,661	45.5	4	Chronic obstructive pulmonary diseases and allied conditions.490–496	43,803	40.0
3	SuicideE950–E959	8,860	25.7	5	Pneumonia and influenza480–487	40,569	37.0
4	Diseases of heart.390–398,402,404–429	8,766	25.4	6	Accidents and adverse effects.E800–E949	25,703	23.5
5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	8,149	23.6	...	Motor vehicle accidents.E810–E825	11,320	10.3
6	Homicide and legal intervention.E960–E978	4,222	12.3	...	All other accidents and adverse effectsE800–E807,E826–E949	14,383	13.1
7	Chronic liver disease and cirrhosis.571	2,471	7.2	7	Diabetes mellitus.250	24,150	22.1
8	Cerebrovascular diseases430–438	1,192	3.5	8	Atherosclerosis440	10,052	9.2
9	Diabetes mellitus.250	981	2.8	9	Nephritis, nephrotic syndrome, and nephrosis580–589	9,685	8.8
10	Pneumonia and influenza480–487	952	2.8	10	Septicemia038	9,609	8.8
...	All other causesResidual	11,343	32.9	...	All other causesResidual	168,206	153.6

See footnotes at end of table.

Table 7. Number of deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1993—Con.

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)				Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)			
Rank ¹		Number	Rate	Rank ¹		Number	Rate
White female, 1–4 years				White female, 25–44 years			
...	All causes	2,046	33.6	...	All causes	31,166	91.5
1	Accidents and adverse effects.E800–E949	722	11.9	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140–208	9,119	26.8
...	Motor vehicle accidents.E810–E825	291	4.8	2	Accidents and adverse effects.E800–E949	4,884	14.3
...	All other accidents and adverse effectsE800–E807,E826–E949	431	7.1	...	Motor vehicle accidents.E810–E825	3,139	9.2
2	Congenital anomalies.740–759	304	5.0	...	All other accidents and adverse effectsE800–E807,E826–E949	1,745	5.1
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	174	2.9	3	Diseases of heart.390–398,402,404–429	2,963	8.7
4	Homicide and legal intervention.E960–E978	85	1.4	4	Suicide.E950–E959	2,151	6.3
5	Diseases of heart.390–398,402,404–429	80	1.3	5	Human immunodeficiency virus infection *042–*044	1,513	4.4
6	Pneumonia and influenza480–487	56	0.9	6	Homicide and legal intervention.E960–E978	1,421	4.2
7	Human immunodeficiency virus infection *042–*044	39	0.6	7	Cerebrovascular diseases430–438	948	2.8
8	Septicemia038	32	0.5	8	Chronic liver disease and cirrhosis571	861	2.5
9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature210–239	26	0.4	9	Diabetes mellitus.250	685	2.0
10	Certain conditions originating in the perinatal period.760–779	19	*	10	Pneumonia and influenza480–487	530	1.6
...	All other causesResidual	509	8.4	...	All other causesResidual	6,091	17.9
White female, 5–14 years				White female, 45–64 years			
...	All causes	2,486	17.3	...	All causes ³	113,687	518.4
1	Accidents and adverse effects.E800–E949	857	6.0	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	51,850	236.4
...	Motor vehicle accidents.E810–E825	568	4.0	2	Diseases of heart.390–398,402,404–429	23,102	105.3
...	All other accidents and adverse effectsE800–E807,E826–E949	289	2.0	3	Chronic obstructive pulmonary diseases and allied conditions.490–496	5,385	24.6
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	384	2.7	4	Cerebrovascular diseases430–438	4,790	21.8
3	Congenital anomalies.740–759	186	1.3	5	Diabetes mellitus.250	3,635	16.6
4	Homicide and legal intervention.E960–E978	141	1.0	6	Accidents and adverse effects.E800–E949	3,449	15.7
5	Diseases of heart.390–398,402,404–429	109	0.8	...	Motor vehicle accidents.E810–E825	1,871	8.5
6	Suicide.E950–E959	76	0.5	...	All other accidents and adverse effectsE800–E807,E826–E949	1,578	7.2
7	Pneumonia and influenza480–487	53	0.4	7	Chronic liver disease and cirrhosis571	2,480	11.3
8	Chronic obstructive pulmonary diseases and allied conditions.490–496	34	0.2	8	Pneumonia and influenza480–487	1,717	7.8
9	Human immunodeficiency virus infection *042–*044	31	0.2	9	SuicideE950–E959	1,613	7.4
10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature210–239	27	0.2	10	Septicemia038	795	3.6
...	All other causesResidual	588	4.1	...	All other causesResidual	14,871	67.8
White female, 15–24 years				White female, 65 years and over			
...	All causes	6,255	44.4	...	All causes	798,108	4,565.8
1	Accidents and adverse effects.E800–E949	2,828	20.1	1	Diseases of heart.390–398,402,404–429	304,885	1,744.2
...	Motor vehicle accidents.E810–E825	2,404	17.1	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	157,876	903.2
...	All other accidents and adverse effectsE800–E807,E826–E949	424	3.0	3	Cerebrovascular diseases430–438	73,834	422.4
2	Suicide.E950–E959	604	4.3	4	Pneumonia and influenza480–487	37,992	217.3
3	Homicide and legal intervention.E960–E978	593	4.2	5	Chronic obstructive pulmonary diseases and allied conditions.490–496	37,987	217.3
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	560	4.0	6	Diabetes mellitus.250	19,780	113.2
5	Diseases of heart.390–398,402,404–429	224	1.6	7	Accidents and adverse effects.E800–E949	12,690	72.6
6	Congenital anomalies.740–759	158	1.1	...	Motor vehicle accidents.E810–E825	2,975	17.0
7	Cerebrovascular diseases430–438	91	0.6	...	All other accidents and adverse effectsE800–E807,E826–E949	9,715	55.6
8	Pneumonia and influenza480–487	83	0.6	8	Atherosclerosis440	9,829	56.2
9	Human immunodeficiency virus infection *042–*044	69	0.5	9	Nephritis, nephrotic syndrome, and nephrosis580–589	8,701	49.8
10	Chronic obstructive pulmonary diseases and allied conditions.490–496	49	0.3	10	Septicemia038	8,451	48.3
...	All other causesResidual	996	7.1	...	All other causesResidual	126,083	721.3

See footnotes at end of table.

Table 7. Number of deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1993—Con.

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)				Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)			
Rank ¹		Number	Rate	Rank ¹		Number	Rate
Black, both sexes, all ages³				Black, both sexes, 15–24 years			
...	All causes	282,151	876.8	...	All causes	9,699	181.2
1	Diseases of heart.390–398,402,404–429	79,011	245.5	1	Homicide and legal intervention.E960–E978	5,052	94.4
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues. . . .140–208	59,873	186.1	2	Accidents and adverse effects.E800–E949	1,865	34.8
3	Cerebrovascular diseases.430–438	17,557	54.6	...	Motor vehicle accidents.E810–E825	1,201	22.4
4	Human immunodeficiency virus infection. *042–*044	13,319	41.4	...	All other accidents and adverse effects.E800–E807,E826–E949	664	12.4
5	Homicide and legal intervention.E960–E978	12,937	40.2	3	Suicide.E950–E959	608	11.4
6	Accidents and adverse effects.E800–E949	12,707	39.5	4	Diseases of heart.390–398,402,404–429	320	6.0
...	Motor vehicle accidents.E810–E825	5,217	16.2	5	Human immunodeficiency virus infection. *042–*044	315	5.9
...	All other accidents and adverse effects.E800–E807,E826–E949	7,490	23.3	6	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues. . . .140–208	298	5.6
7	Diabetes mellitus.250	9,380	29.1	7	Chronic obstructive pulmonary diseases and allied conditions.490–496	82	1.5
8	Pneumonia and influenza.480–487	7,724	24.0	8	Anemias.280–285	76	1.4
9	Chronic obstructive pulmonary diseases and allied conditions.490–496	6,435	20.0	9	Pneumonia and influenza.480–487	75	1.4
10	Certain conditions originating in the perinatal period.760–779	5,891	18.3	9	Congenital anomalies.740–759	75	1.4
...	All other causes.Residual	57,317	178.1	...	All other causes.Residual	933	17.4
Black, both sexes, 1–4 years				Black, both sexes, 25–44 years			
...	All causes	1,975	79.1	...	All causes	40,807	393.2
1	Accidents and adverse effects.E800–E949	660	26.4	1	Human immunodeficiency virus infection. *042–*044	9,794	94.4
...	Motor vehicle accidents.E810–E825	211	8.4	2	Homicide and legal intervention.E960–E978	5,814	56.0
...	All other accidents and adverse effects.E800–E807,E826–E949	449	18.0	3	Diseases of heart.390–398,402,404–429	4,520	43.5
2	Homicide and legal intervention.E960–E978	217	8.7	4	Accidents and adverse effects.E800–E949	4,466	43.0
3	Congenital anomalies.740–759	174	7.0	...	Motor vehicle accidents.E810–E825	1,963	18.9
4	Human immunodeficiency virus infection. *042–*044	128	5.1	...	All other accidents and adverse effects.E800–E807,E826–E949	2,503	24.1
5	Diseases of heart.390–398,402,404–429	87	3.5	5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues. . . .140–208	3,883	37.4
6	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues. . . .140–208	72	2.9	6	Suicide.E950–E959	1,097	10.6
7	Pneumonia and influenza.480–487	54	2.2	7	Cerebrovascular diseases.430–438	1,079	10.4
8	Certain conditions originating in the perinatal period.760–779	38	1.5	8	Chronic liver disease and cirrhosis.571	942	9.1
9	Anemias.280–285	28	1.1	9	Pneumonia and influenza.480–487	734	7.1
10	Septicemia.038	27	1.1	10	Diabetes mellitus.250	601	5.8
...	All other causes.Residual	490	19.6	...	All other causes.Residual	7,877	75.9
Black, both sexes, 5–14 years				Black, both sexes, 45–64 years			
...	All causes	1,992	35.0	...	All causes	65,513	1,311.6
1	Accidents and adverse effects.E800–E949	777	13.7	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues. . . .140–208	19,328	386.9
...	Motor vehicle accidents.E810–E825	380	6.7	2	Diseases of heart.390–398,402,404–429	18,925	378.9
...	All other accidents and adverse effects.E800–E807,E826–E949	397	7.0	3	Cerebrovascular diseases.430–438	3,741	74.9
2	Homicide and legal intervention.E960–E978	292	5.1	4	Human immunodeficiency virus infection. *042–*044	2,711	54.3
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues. . . .140–208	152	2.7	5	Diabetes mellitus.250	2,637	52.8
4	Diseases of heart.390–398,402,404–429	77	1.4	6	Accidents and adverse effects.E800–E949	2,268	45.4
5	Human immunodeficiency virus infection. *042–*044	75	1.3	...	Motor vehicle accidents.E810–E825	846	16.9
6	Congenital anomalies.740–759	74	1.3	...	All other accidents and adverse effects.E800–E807,E826–E949	1,422	28.5
7	Chronic obstructive pulmonary diseases and allied conditions.490–496	62	1.1	7	Chronic liver disease and cirrhosis.571	1,527	30.6
8	Suicide.E950–E959	41	0.7	8	Chronic obstructive pulmonary diseases and allied conditions.490–496	1,430	28.6
9	Anemias.280–285	28	0.5	9	Pneumonia and influenza.480–487	1,213	24.3
10	Pneumonia and influenza.480–487	20	0.4	10	Homicide and legal intervention.E960–E978	1,027	20.6
...	Cerebrovascular diseases.430–438	20	0.4	...	All other causes.Residual	10,706	214.3
...	All other causes.Residual	374	6.6				

See footnotes at end of table.

Table 7. Number of deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1993—Con.

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)				Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)			
Rank ¹		Number	Rate	Rank ¹		Number	Rate
Black, both sexes, 65 years and over				Black male, 5–14 years			
...	All causes	151,137	5,723.3	...	All causes	1,166	40.5
1	Diseases of heart.390–398,402,404–429	54,855	2,077.3	1	Accidents and adverse effects.E800–E949	480	16.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	36,112	1,367.5	...	Motor vehicle accidents.E810–E825	223	7.7
3	Cerebrovascular diseases430–438	12,612	477.6	...	All other accidents and adverse effectsE800–E807,E826–E949	257	8.9
4	Diabetes mellitus.250	6,083	230.4	2	Homicide and legal intervention.E960–E978	190	6.6
5	Pneumonia and influenza480–487	5,445	206.2	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	80	2.8
6	Chronic obstructive pulmonary diseases and allied conditions.490–496	4,445	168.3	4	Congenital anomalies.740–759	45	1.6
7	Nephritis, nephrotic syndrome, and nephrosis580–589	2,875	108.9	5	Chronic obstructive pulmonary diseases and allied conditions.490–496	38	1.3
8	Septicemia038	2,510	95.0	6	Diseases of heart.390–398,402,404–429	37	1.3
9	Accidents and adverse effects.E800–E949	2,398	90.8	7	SuicideE950–E959	33	1.1
...	Motor vehicle accidents.E810–E825	569	21.5	8	Human immunodeficiency virus infection.*042–*044	32	1.1
...	All other accidents and adverse effectsE800–E807,E826–E949	1,829	69.3	9	Cerebrovascular diseases430–438	14	*
10	Hypertension with or without renal disease401,403	1,825	69.1	10	Anemias280–285	13	*
...	All other causesResidual	21,977	832.2	...	All other causesResidual	204	7.1
Black male, all ages³				Black male, 15–24 years			
...	All causes	153,502	1,006.3	...	All causes	7,734	289.4
1	Diseases of heart.390–398,402,404–429	38,357	251.4	1	Homicide and legal intervention.E960–E978	4,461	167.0
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	33,071	216.8	2	Accidents and adverse effects.E800–E949	1,476	55.2
3	Homicide and legal intervention.E960–E978	10,640	69.7	...	Motor vehicle accidents.E810–E825	916	34.3
4	Human immunodeficiency virus infection.*042–*044	10,324	67.7	...	All other accidents and adverse effectsE800–E807,E826–E949	560	21.0
5	Accidents and adverse effects.E800–E949	8,900	58.3	3	SuicideE950–E959	536	20.1
...	Motor vehicle accidents.E810–E825	3,752	24.6	4	Diseases of heart.390–398,402,404–429	198	7.4
...	All other accidents and adverse effectsE800–E807,E826–E949	5,148	33.7	5	Human immunodeficiency virus infection.*042–*044	189	7.1
6	Cerebrovascular diseases430–438	7,599	49.8	6	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	169	6.3
7	Pneumonia and influenza480–487	4,051	26.6	7	Chronic obstructive pulmonary diseases and allied conditions.490–496	55	1.6
8	Chronic obstructive pulmonary diseases and allied conditions.490–496	3,913	25.7	8	Congenital anomalies.740–759	44	1.5
9	Diabetes mellitus.250	3,648	23.9	9	Anemias280–285	41	1.4
10	Certain conditions originating in the perinatal period.760–779	3,309	21.7	10	Pneumonia and influenza480–487	37	0.0
...	All other causesResidual	29,690	194.6	...	All other causesResidual	528	19.8
Black male, 1–4 years				Black male, 25–44 years			
...	All causes	1,089	86.1	...	All causes	27,747	569.5
1	Accidents and adverse effects.E800–E949	385	30.4	1	Human immunodeficiency virus infection.*042–*044	7,568	155.3
...	Motor vehicle accidents.E810–E825	121	9.6	2	Homicide and legal intervention.E960–E978	4,678	96.0
...	All other accidents and adverse effectsE800–E807,E826–E949	264	20.9	3	Accidents and adverse effects.E800–E949	3,385	69.5
2	Homicide and legal intervention.E960–E978	122	9.6	...	Motor vehicle accidents.E810–E825	1,452	29.8
3	Congenital anomalies.740–759	84	6.6	...	All other accidents and adverse effectsE800–E807,E826–E949	1,933	39.7
4	Human immunodeficiency virus infection.*042–*044	68	5.4	4	Diseases of heart.390–398,402,404–429	2,853	58.6
5	Diseases of heart.390–398,402,404–429	42	3.3	5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	1,719	35.3
6	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . .140–208	38	3.0	6	SuicideE950–E959	928	19.0
7	Certain conditions originating in the perinatal period.760–779	27	2.1	7	Chronic liver disease and cirrhosis.571	621	12.7
7	Pneumonia and influenza480–487	27	2.1	8	Cerebrovascular diseases430–438	540	11.1
9	Anemias280–285	15	*	9	Pneumonia and influenza480–487	451	9.3
10	Septicemia038	14	*	10	Diabetes mellitus.250	345	7.1
...	All other causesResidual	267	21.1	...	All other causesResidual	4,659	95.6

See footnotes at end of table.

Table 7. Number of deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1993—Con.

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Rank ¹	Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)	Number	Rate	Rank ¹	Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)	Number	Rate
Black male, 45–64 years				Black female, 1–4 years			
...	All causes	39,479	1,772.5	...	All causes	886	71.9
1	Diseases of heart.390–398,402,404–429	11,628	522.1	1	Accidents and adverse effects.E800–E949	275	22.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues. . . .140–208	10,886	488.8	...	Motor vehicle accidents.E810–E825	90	7.3
3	Human immunodeficiency virus infection. *042–*044	2,253	101.2	...	All other accidents and adverse effectsE800–E807,E826–E949	185	15.0
4	Cerebrovascular diseases430–438	2,053	92.2	2	Homicide and legal intervention.E960–E978	95	7.7
5	Accidents and adverse effects.E800–E949	1,703	76.5	3	Congenital anomalies.740–759	90	7.3
...	Motor vehicle accidents.E810–E825	632	28.4	4	Human immunodeficiency virus infection. *042–*044	60	4.9
...	All other accidents and adverse effectsE800–E807,E826–E949	1,071	48.1	5	Diseases of heart.390–398,402,404–429	45	3.7
6	Diabetes mellitus.250	1,206	54.1	6	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues. . . .140–208	34	2.8
7	Chronic liver disease and cirrhosis571	1,045	46.9	7	Pneumonia and influenza480–487	27	2.2
8	Homicide and legal intervention.E960–E978	853	38.3	8	Anemias280–285	13	*
9	Chronic obstructive pulmonary diseases and allied conditions.490–496	818	36.7	8	Septicemia038	13	*
10	Pneumonia and influenza480–487	787	35.3	10	Certain conditions originating in the perinatal period.760–779	11	*
...	All other causesResidual	6,247	280.5	10	Chronic obstructive pulmonary diseases and allied conditions.490–496	11	*
Black male, 65 years and over				...	All other causesResidual	212	17.2
...	All causes	70,084	6,880.0	Black female, 5–14 years			
1	Diseases of heart.390–398,402,404–429	23,489	2,305.9	...	All causes	826	29.5
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues. . . .140–208	20,164	1,979.4	1	Accidents and adverse effects.E800–E949	297	10.6
3	Cerebrovascular diseases430–438	4,932	484.2	...	Motor vehicle accidents.E810–E825	157	5.6
4	Chronic obstructive pulmonary diseases and allied conditions.490–496	2,804	275.3	...	All other accidents and adverse effectsE800–E807,E826–E949	140	5.0
5	Pneumonia and influenza480–487	2,628	258.0	2	Homicide and legal intervention.E960–E978	102	3.6
6	Diabetes mellitus.250	2,067	202.9	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues. . . .140–208	72	2.6
7	Accidents and adverse effects.E800–E949	1,313	128.9	4	Human immunodeficiency virus infection. *042–*044	43	1.5
...	Motor vehicle accidents.E810–E825	381	37.4	5	Diseases of heart.390–398,402,404–429	40	1.4
...	All other accidents and adverse effectsE800–E807,E826–E949	932	91.5	6	Congenital anomalies740–759	29	1.0
8	Nephritis, nephrotic syndrome, and nephrosis580–589	1,199	117.7	7	Chronic obstructive pulmonary diseases and allied conditions.490–496	24	0.9
9	Septicemia038	1,045	102.6	8	Anemias280–285	15	*
10	Hypertension with or without renal disease401,403	646	63.4	9	Pneumonia and influenza.480–487	9	*
...	All other causesResidual	9,797	961.7	10	SuicideE950–E959	8	*
Black female, all ages³				10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature210–239	8	*
...	All causes	128,649	760.1	...	All other causesResidual	179	6.4
1	Diseases of heart.390–398,402,404–429	40,654	240.2	Black female, 15–24 years			
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues. . . .140–208	26,802	158.4	...	All causes	1,965	73.3
3	Cerebrovascular diseases430–438	9,958	58.8	1	Homicide and legal intervention.E960–E978	591	22.0
4	Diabetes mellitus.250	5,732	33.9	2	Accidents and adverse effects.E800–E949	389	14.5
5	Accidents and adverse effects.E800–E949	3,807	22.5	...	Motor vehicle accidents.E810–E825	285	10.6
...	Motor vehicle accidents.E810–E825	1,465	8.7	...	All other accidents and adverse effectsE800–E807,E826–E949	104	3.9
...	All other accidents and adverse effectsE800–E807,E826–E949	2,342	13.8	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues. . . .140–208	129	4.8
6	Pneumonia and influenza480–487	3,673	21.7	4	Human immunodeficiency virus infection. *042–*044	126	4.7
7	Human immunodeficiency virus infection. *042–*044	2,995	17.7	5	Diseases of heart.390–398,402,404–429	122	4.5
8	Certain conditions originating in the perinatal period.760–779	2,582	15.3	6	SuicideE950–E959	72	2.7
9	Chronic obstructive pulmonary diseases and allied conditions.490–496	2,522	14.9	7	Complications of pregnancy, childbirth, and the puerperium630–676	43	1.6
10	Homicide and legal intervention.E960–E978	2,297	13.6	8	Pneumonia and influenza480–487	38	1.4
...	All other causesResidual	27,627	163.2	9	Anemias280–285	35	1.3
				10	Congenital anomalies740–759	31	1.2
				...	All other causesResidual	389	14.5

See footnotes at end of table.

Table 7. Number of deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1993—Con.

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

<i>Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)</i>				<i>Cause of death, race, sex, and age (Ninth Revision, International Classification of Diseases, 1975)</i>			
<i>Rank¹</i>		<i>Number</i>	<i>Rate</i>	<i>Rank¹</i>		<i>Number</i>	<i>Rate</i>
Black female, 25–44 years				Black female, 65 years and over			
...	All causes	13,060	237.1	...	All causes	81,053	4,996.9
1	Human immunodeficiency virus infection	2,226	40.4	1	Diseases of heart	31,366	1,933.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	2,164	39.3	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	15,948	983.2
3	Diseases of heart	1,667	30.3	3	Cerebrovascular diseases	7,680	473.5
4	Homicide and legal intervention	1,136	20.6	4	Diabetes mellitus	4,016	247.6
5	Accidents and adverse effects	1,081	19.6	5	Pneumonia and influenza	2,817	173.7
...	Motor vehicle accidents	511	9.3	6	Nephritis, nephrotic syndrome, and nephrosis	1,676	103.3
...	All other accidents and adverse effects	570	10.4	7	Chronic obstructive pulmonary diseases and allied conditions	1,641	101.2
6	Cerebrovascular diseases	539	9.8	8	Septicemia	1,465	90.3
7	Chronic liver disease and cirrhosis	321	5.8	9	Hypertension with or without renal disease	1,179	72.7
8	Pneumonia and influenza	283	5.1	10	Accidents and adverse effects	1,085	66.9
9	Diabetes mellitus	256	4.6	...	Motor vehicle accidents	188	11.6
10	Chronic obstructive pulmonary diseases and allied conditions	200	3.6	...	All other accidents and adverse effects	897	55.3
...	All other causes	3,187	57.9	...	All other causes	12,180	750.9
Black female, 45–64 years							
...	All causes	26,034	940.6				
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	8,442	305.0				
2	Diseases of heart	7,297	263.6				
3	Cerebrovascular diseases	1,688	61.0				
4	Diabetes mellitus	1,431	51.7				
5	Chronic obstructive pulmonary diseases and allied conditions	612	22.1				
6	Accidents and adverse effects	565	20.4				
...	Motor vehicle accidents	214	7.7				
...	All other accidents and adverse effects	351	12.7				
7	Chronic liver disease and cirrhosis	482	17.4				
8	Human immunodeficiency virus infection	458	16.5				
9	Pneumonia and influenza	426	15.4				
10	Nephritis, nephrotic syndrome, and nephrosis	409	14.8				
...	All other causes	4,224	152.6				

¹Rank based on number of deaths; see "Technical notes."

²Includes races other than black and white.

³Includes deaths under 1 year of age.

Table 8. Age-specific and age-adjusted death rates for the 10 leading causes of death for the total population in 1993 and selected components: United States, 1979, 1992, and 1993

[Age-specific rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard million population; see "Technical notes." For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	Year	Age											Age-adjusted rate ³	
		All ages 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
All causes	1993	880.0	854.4	44.8	23.4	98.5	142.4	235.5	460.0	1,154.7	2,617.1	5,951.6	15,481.7	513.3
	1992	852.9	865.7	43.6	22.5	95.6	137.8	228.8	456.1	1,151.7	2,588.9	5,775.5	14,972.9	504.5
	1979	852.2	1,332.9	64.2	31.5	114.8	133.0	229.8	589.7	1,338.0	2,929.0	6,496.6	14,962.4	577.0
Diseases of heart390-398,402,404-429	1993	288.4	16.9	1.9	0.8	2.7	8.5	32.2	114.0	344.3	848.2	2,182.9	6,668.9	145.3
	1992	281.4	17.9	1.8	0.8	2.7	8.1	31.8	114.6	346.5	847.9	2,147.3	6,513.5	144.3
	1979	326.5	20.2	2.1	0.8	2.6	8.4	45.3	184.6	499.0	1,199.8	2,925.2	7,310.9	199.5
Rheumatic fever and rheumatic heart disease390-398	1993	2.2	*	*	*	0.1	0.2	0.5	1.3	3.3	8.1	16.8	29.4	1.3
	1992	2.2	*	*	*	0.1	0.2	0.6	1.4	3.5	8.0	17.5	27.2	1.3
	1979	3.5	*	*	*	0.2	0.4	1.4	3.9	8.0	16.0	20.6	25.2	2.6
Hypertensive heart disease402	1993	8.9	*	*	*	*	0.4	1.8	5.9	13.2	25.5	61.1	186.6	4.9
	1992	8.6	*	*	*	0.1	0.4	1.8	5.5	13.9	25.4	58.1	175.2	4.8
	1979	9.3	*	*	*	*	0.4	1.9	7.0	16.2	35.7	79.6	170.3	6.0
Hypertensive heart and renal disease404	1993	1.0	*	*	*	*	0.1	0.1	0.3	0.9	2.5	7.9	23.2	0.5
	1992	1.0	*	*	*	*	*	0.1	0.3	1.1	2.6	8.0	24.8	0.5
	1979	1.6	*	*	*	*	*	0.2	0.4	1.4	5.1	16.8	50.9	0.9
Ischemic heart disease410-414	1993	190.1	0.7	*	*	0.3	2.7	16.6	70.5	225.8	578.0	1,484.3	4,325.8	94.9
	1992	188.2	0.5	*	*	0.3	2.6	17.0	72.3	230.2	585.8	1,480.3	4,285.8	95.7
	1979	245.5	0.7	*	*	0.3	3.6	30.1	136.1	381.0	926.6	2,224.8	5,376.1	149.7
Acute myocardial infarction410	1993	88.2	*	*	*	0.2	1.4	9.3	40.8	127.4	299.1	694.9	1,593.5	47.5
	1992	89.9	*	*	*	0.2	1.5	9.7	42.7	131.1	310.5	715.1	1,622.4	49.1
	1979	133.8	*	*	*	0.2	2.4	21.1	94.6	258.9	577.2	1,135.2	1,916.3	88.2
Other acute and subacute forms of ischemic heart disease411	1993	1.2	*	*	*	*	0.1	0.3	0.9	2.0	3.6	7.4	19.5	0.7
	1992	1.2	*	*	*	*	*	0.3	1.0	2.3	4.0	7.7	21.8	0.7
	1979	2.1	*	*	*	*	0.1	0.5	2.0	4.8	8.2	15.3	30.2	1.5
Angina pectoris413	1993	0.4	*	*	*	*	*	*	0.1	0.3	0.9	2.9	11.2	0.2
	1992	0.4	*	*	*	*	*	*	0.1	0.3	0.9	3.5	10.9	0.2
	1979	0.2	*	*	*	*	*	*	0.1	0.3	0.9	2.1	4.6	0.1
Old myocardial infarction and other forms of chronic ischemic heart disease412,414	1993	100.3	*	*	*	0.1	1.2	7.0	28.7	96.0	274.4	779.1	2,701.6	46.5
	1992	96.6	*	*	*	0.1	1.1	7.0	28.5	96.4	270.3	754.1	2,630.7	45.7
	1979	109.4	*	*	*	0.1	1.0	8.4	39.3	117.0	340.3	1,072.2	3,424.9	59.9
Other diseases of endocardium424	1993	5.9	*	*	*	0.1	0.3	0.7	1.3	4.1	12.6	49.8	169.8	2.6
	1992	5.6	*	*	*	0.1	0.2	0.6	1.5	4.2	12.8	48.8	158.2	2.6
	1979	2.9	*	*	*	0.1	0.2	0.6	1.5	4.3	11.6	27.5	47.1	1.8
All other forms of heart disease415-423,425-429	1993	80.3	15.7	1.7	0.7	2.2	4.8	12.4	34.7	97.1	221.5	563.1	1,934.1	41.1
	1992	75.8	17.0	1.7	0.7	2.1	4.6	11.7	33.7	93.7	213.3	534.6	1,842.2	39.4
	1979	63.7	19.0	2.0	0.7	1.9	3.7	11.0	35.7	88.1	204.8	555.9	1,641.4	38.4
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140-208	1993	205.6	2.2	3.3	2.9	4.8	12.1	41.1	147.9	433.4	876.1	1,366.9	1,807.7	132.6
	1992	204.1	2.4	3.1	3.0	5.0	12.5	42.3	150.3	437.8	873.4	1,350.9	1,787.3	133.1
	1979	179.6	3.4	4.6	4.4	6.1	13.3	48.3	181.4	429.4	800.0	1,207.6	1,522.9	130.8
Malignant neoplasms of lip, oral cavity, and pharynx140-149	1993	3.2	*	*	*	0.1	0.1	0.8	3.8	9.0	13.1	15.8	20.8	2.3
	1992	3.2	*	*	*	0.1	0.1	0.8	3.5	9.3	13.3	15.6	21.3	2.3
	1979	3.8	*	*	*	0.1	0.2	1.1	5.6	11.8	16.3	18.1	23.7	3.0

See footnotes at end of table.

Table 8. Age-specific and age-adjusted death rates for the 10 leading causes of death for the total population in 1993 and selected components: United States, 1979, 1992, and 1993—Con.

[Age-specific rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard million population; see "Technical notes." For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	Year	Age											Age-adjusted rate ³	
		All ages 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
Malignant neoplasms of digestive organs and peritoneum150-159	1993	48.3	*	0.1	0.1	0.3	1.5	7.3	29.4	93.6	199.4	346.5	537.3	29.5
	1992	48.2	*	*	0.1	0.3	1.5	7.4	29.4	94.3	199.1	347.7	547.9	29.6
	1979	48.6	*	*	0.1	0.3	1.8	8.2	36.3	103.9	221.9	388.7	547.8	33.1
Malignant neoplasms of respiratory and intrathoracic organs.160-165	1993	59.8	*	*	*	0.1	0.7	6.6	42.9	158.9	306.1	363.3	280.8	40.8
	1992	59.3	*	*	*	0.1	0.7	7.1	44.8	159.8	302.9	357.0	268.2	40.8
	1979	45.9	*	*	*	0.1	0.8	9.8	56.0	140.9	231.0	238.1	170.3	35.2
Malignant neoplasm of breast174-175	1993	17.0	*	*	*	*	1.3	7.7	21.6	38.3	59.5	91.3	150.3	11.8
	1992	17.0	*	*	*	*	1.4	8.1	22.0	38.9	61.7	88.1	142.2	12.0
	1979	15.4	*	*	*	*	1.6	9.1	25.3	41.3	56.6	77.4	114.2	12.2
Malignant neoplasms of genital organs179-187	1993	23.4	*	*	*	0.3	1.3	3.7	10.5	31.9	89.5	196.5	316.2	13.2
	1992	23.5	*	*	*	0.3	1.4	4.0	10.7	33.2	93.2	195.3	309.1	13.5
	1979	20.2	*	*	*	0.5	1.6	4.7	14.5	35.6	88.3	176.0	252.0	13.6
Malignant neoplasms of urinary organs188-189	1993	8.4	*	*	0.1	*	0.2	1.1	5.1	15.0	34.4	63.0	99.3	5.0
	1992	8.5	*	*	0.1	*	0.2	1.0	5.1	15.7	33.6	64.5	104.0	5.1
	1979	7.8	*	0.2	0.2	0.1	0.2	1.1	5.7	15.1	34.6	65.6	97.0	5.2
Malignant neoplasms of all other and unspecified sites.170-173,190-199	1993	25.3	1.1	2.0	1.4	1.9	3.5	8.3	21.9	53.2	97.4	150.1	212.2	17.2
	1992	24.7	1.0	1.6	1.5	2.0	3.5	8.2	21.9	53.0	94.4	145.0	207.8	16.9
	1979	21.6	1.7	2.2	1.7	2.3	3.7	8.6	24.0	49.8	86.4	130.2	175.8	16.4
Leukemia.204-208	1993	7.6	0.8	1.0	1.1	1.3	1.5	2.2	4.5	11.6	26.9	50.7	81.4	4.9
	1992	7.6	0.9	1.1	1.2	1.3	1.5	2.1	4.6	11.8	26.5	51.0	81.4	4.9
	1979	7.3	0.8	1.3	1.5	1.3	1.5	2.5	5.0	11.7	25.7	50.2	77.3	5.3
Other malignant neoplasms of lymphatic and hematopoietic tissues.200-203	1993	12.5	*	0.1	0.2	0.7	1.9	3.4	8.1	22.1	49.8	89.6	109.4	7.9
	1992	12.2	*	0.2	0.2	0.9	2.1	3.5	8.4	21.6	48.8	86.7	105.4	7.9
	1979	9.1	*	0.3	0.4	0.9	1.8	3.0	8.6	19.5	39.5	63.1	66.0	6.7
Cerebrovascular diseases430-438	1993	58.2	5.5	0.3	0.2	0.6	1.9	6.2	17.6	46.0	135.8	479.1	1,607.7	26.5
	1992	56.4	4.1	0.3	0.2	0.5	1.9	6.5	17.5	46.4	135.3	468.2	1,566.0	26.2
	1979	75.5	4.6	0.3	0.3	0.9	2.6	9.1	26.4	68.1	226.9	793.8	2,264.9	41.6
Chronic obstructive pulmonary diseases and allied conditions490-496	1993	39.2	1.4	0.3	0.4	0.6	0.7	1.8	8.7	51.0	167.8	357.3	493.9	21.4
	1992	36.0	1.1	0.4	0.3	0.5	0.7	1.8	8.3	48.3	155.5	326.5	460.9	19.9
	1979	22.2	1.9	0.5	0.2	0.3	0.5	1.7	9.3	40.2	117.0	200.6	230.2	14.6
Accidents and adverse effectsE800-E949	1993	35.1	22.9	16.4	9.4	38.8	33.5	32.5	28.0	30.6	43.6	99.5	263.5	30.3
	1992	34.0	20.5	15.9	9.3	37.8	32.5	30.1	27.3	30.6	44.2	96.3	254.8	29.4
	1979	46.9	31.5	26.5	16.1	62.6	45.7	38.4	39.4	43.5	58.8	117.8	276.0	42.9
Motor vehicle accidentsE810-E825	1993	16.3	4.9	5.6	5.3	29.1	19.6	14.9	13.3	13.9	16.7	29.8	29.7	16.0
	1992	16.1	4.0	5.5	5.2	28.5	19.4	14.6	13.6	13.7	17.6	27.6	27.4	15.8
	1979	23.8	6.5	9.8	8.3	45.6	28.8	21.0	18.6	18.2	20.7	28.7	24.4	23.2
All other accidents and adverse effectsE800-E807,E826-E949	1993	18.9	18.1	10.8	4.1	9.6	13.9	17.6	14.7	16.7	26.9	69.7	233.8	14.4
	1992	18.0	16.5	10.4	4.1	9.3	13.1	15.5	13.7	16.8	26.6	68.7	227.4	13.7
	1979	23.1	25.0	16.7	7.7	17.0	16.9	17.4	20.8	25.2	38.1	89.2	251.6	19.6
Pneumonia and influenza480-487	1993	32.1	13.5	1.2	0.4	0.7	1.7	3.8	6.6	17.7	58.1	241.2	1,089.0	13.5
	1992	29.7	15.0	1.2	0.3	0.6	1.5	3.4	6.0	16.5	55.3	227.1	1,022.8	12.7
	1979	20.1	33.0	2.0	0.6	0.8	1.5	3.2	7.1	16.4	47.8	184.2	694.9	11.2

See footnotes at end of table.

Table 8. Age-specific and age-adjusted death rates for the 10 leading causes of death for the total population in 1993 and selected components: United States, 1979, 1992, and 1993—Con.

[Age-specific rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard million population; see "Technical notes." For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	Year	Age											Age-adjusted rate ³	
		All ages 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
Diabetes mellitus250	1993	20.9	*	*	0.1	0.3	1.4	4.2	12.0	35.7	80.4	152.3	269.4	12.4
	1992	19.6	*	*	0.1	0.4	1.6	4.0	11.7	34.0	75.7	142.9	253.8	11.9
	1979	14.8	*	0.1	0.1	0.4	1.4	3.6	9.0	25.8	61.3	130.3	211.6	9.8
Human immunodeficiency virus infection *042-*044	1993	14.5	2.2	1.3	0.4	1.7	27.0	39.1	22.6	8.8	2.9	0.8	*	13.8
	1992	13.2	2.5	1.0	0.3	1.6	24.6	35.6	20.3	8.5	2.8	0.8	*	12.6
	1979	---	---	---	---	---	---	---	---	---	---	---	---	---
SuicideE950-E959	1993	12.1	...	...	0.9	13.5	15.1	15.1	14.5	14.6	16.3	22.3	22.8	11.3
	1992	12.0	...	...	0.9	13.0	14.5	15.1	14.7	14.8	16.5	22.8	21.9	11.1
	1979	12.1	...	...	0.4	12.4	16.3	15.4	16.5	16.6	17.8	20.8	17.9	11.7
Homicide and legal interventionE960-E978	1993	10.1	8.8	2.9	1.8	23.4	17.4	11.1	7.2	4.7	3.7	3.5	4.1	10.7
	1992	10.0	8.1	2.8	1.6	22.2	17.3	11.2	7.5	4.7	3.7	3.8	4.1	10.5
	1979	10.0	5.0	2.5	1.1	14.5	18.2	14.3	10.8	7.0	5.4	4.8	5.0	10.2

¹Figures for age not stated are included in "All ages" but not distributed among age groups.

²Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see tables 25-29 for infant mortality rates, and "Technical notes" for discussion of the difference.

³For method of computation, see "Technical notes."

Selected causes

► The following causes of death appear in this report because they are of fundamental public health importance.

HIV infection

► Between 1992 and 1993, the number of deaths assigned to Human immunodeficiency virus (HIV) infection increased 11.0 percent to 37,267 (table 9).

► Death rates for HIV infection increased in all race-sex-age groups except infants. Both age-adjusted and age-specific death rates were highest for black males and lowest for white females

(figure 6). For ages 25 years and over, rates for black males were followed by rates for white males and then rates for black females; up to age 25, rates for black males were followed by rates for black females and then rates for white males. Rates for persons aged 35–44 years were highest in all race-sex groups combined. However, the largest increases in rates occurred among females. For black females, the largest increase was in the age group 5–14 years, and for white females, the age group 35–44 years.

► HIV infection was the eighth leading cause of death for the total U.S. population; seventh for males; ninth for the

white population; and fourth for the black population. HIV infection did not rank among the 10 leading causes for females. HIV infection was the leading cause of death for black males and females aged 25–44 years (table 7). It ranked among the 10 leading causes of death for white males aged 1–4, 5–14, 15–24, 25–44, and 45–64 years; for white females aged 1–4, 5–14, 15–24, and 25–44 years; for black males aged 1–4, 5–14, 15–24, 25–44, and 45–64 years; and for black females aged 1–4, 5–14, 15–24, 25–44, and 45–64 years.

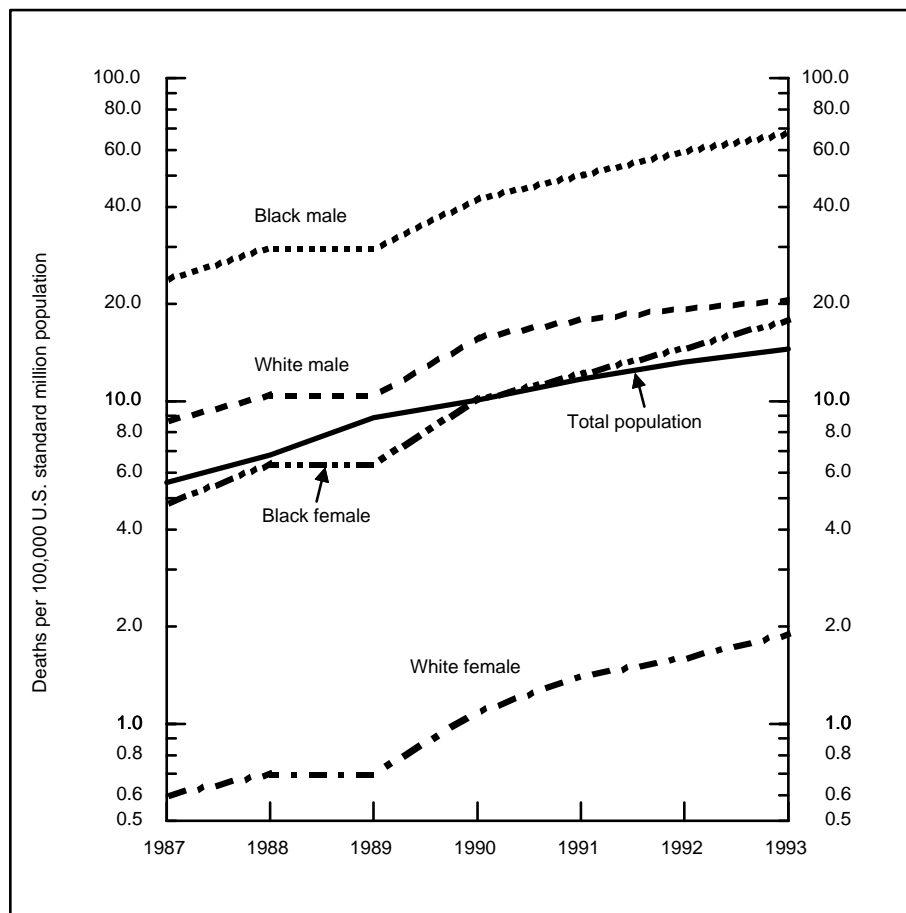


Figure 6. Age-adjusted death rates for Human immunodeficiency virus infection by race and sex: United States, 1987–93

Table 9. Number of deaths and death rates by 10-year age groups and age-adjusted death rates for Human immunodeficiency virus infection, by race and sex: United States, 1992–93

[Age-specific rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard million population; see "Technical notes." Human immunodeficiency virus infection deaths are those assigned to categories *042–*044, which were introduced in the United States in 1987; see "Technical notes"]

Year, race, and sex	Age												Age-adjusted rate ³
	All ages 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	
Number													
1993													
All races	37,267	87	204	155	609	11,299	15,929	6,487	1,843	545	82	17	...
Male	32,093	42	104	78	414	9,626	13,834	5,836	1,636	446	56	11	...
Female	5,174	45	100	77	195	1,673	2,095	651	207	99	26	6	...
White	23,586	21	75	75	290	7,177	9,997	4,305	1,229	340	54	16	...
Male	21,455	12	36	44	221	6,498	9,163	4,021	1,123	284	36	10	...
Female	2,131	9	39	31	69	679	834	284	106	56	18	6	...
All other	13,681	66	129	80	319	4,122	5,932	2,182	614	205	28	1	...
Male	10,638	30	68	34	193	3,128	4,671	1,815	513	162	20	1	...
Female	3,043	36	61	46	126	994	1,261	367	101	43	8	–	...
Black	13,319	63	128	75	315	4,016	5,778	2,110	601	201	28	1	...
Male	10,324	29	68	32	189	3,033	4,535	1,752	501	161	20	1	...
Female	2,995	34	60	43	126	983	1,243	358	100	40	8	–	...
1992													
All races	33,566	100	161	104	578	10,426	14,203	5,575	1,785	519	88	14	...
Male	29,325	47	88	67	419	8,965	12,544	5,104	1,578	431	63	6	...
Female	4,241	53	73	37	159	1,461	1,659	471	207	88	25	8	...
White	21,921	27	60	55	290	6,784	9,189	3,906	1,184	343	65	11	...
Male	20,161	14	32	40	225	6,161	8,577	3,677	1,087	286	50	5	...
Female	1,760	13	28	15	65	623	612	229	97	57	15	6	...
All other	11,645	73	101	49	288	3,642	5,014	1,669	601	176	23	3	...
Male	9,164	33	56	27	194	2,804	3,967	1,427	491	145	13	1	...
Female	2,481	40	45	22	94	838	1,047	242	110	31	10	2	...
Black	11,378	73	100	47	286	3,556	4,900	1,624	589	171	23	3	...
Male	8,925	33	56	26	192	2,724	3,866	1,385	481	142	13	1	...
Female	2,453	40	44	21	94	832	1,034	239	108	29	10	2	...
Rate													
1993													
All races	14.5	2.2	1.3	0.4	1.7	27.0	39.1	22.6	8.8	2.9	0.8	*	13.8
Male	25.5	2.1	1.3	0.4	2.3	46.0	68.5	41.7	16.5	5.4	1.4	*	24.1
Female	3.9	2.4	1.3	0.4	1.1	8.0	10.2	4.4	1.9	1.0	0.4	*	3.8
White	11.0	0.7	0.6	0.3	1.0	20.9	29.3	17.5	6.8	2.0	0.6	*	10.5
Male	20.4	*	0.6	0.3	1.5	37.4	53.6	33.1	12.9	3.8	1.0	*	19.0
Female	1.9	*	0.6	0.2	0.5	4.0	4.9	2.3	1.1	0.6	*	*	1.9
All other	31.8	7.9	3.9	1.1	4.5	55.2	88.8	54.0	22.3	10.1	2.8	*	31.4
Male	51.8	7.1	4.1	0.9	5.4	87.7	149.6	98.0	42.3	19.0	5.4	*	52.5
Female	13.5	8.8	3.8	1.2	3.6	25.5	35.5	16.8	6.6	3.6	*	*	13.0
Black	41.4	10.0	5.1	1.3	5.9	73.0	118.4	72.1	29.1	12.7	3.5	*	41.6
Male	67.7	9.1	5.4	1.1	7.1	116.7	199.6	132.1	55.6	24.5	6.9	*	70.0
Female	17.7	11.0	4.9	1.5	4.7	33.9	47.6	22.4	8.6	4.3	*	*	17.3
1992													
All races	13.2	2.5	1.0	0.3	1.6	24.6	35.6	20.3	8.5	2.8	0.8	*	12.6
Male	23.6	2.3	1.1	0.4	2.3	42.2	63.5	38.1	15.9	5.3	1.6	*	22.3
Female	3.2	2.7	1.0	0.2	0.9	6.9	8.2	3.4	1.9	0.9	0.4	*	3.2
White	10.3	0.9	0.5	0.2	1.0	19.4	27.5	16.6	6.5	2.1	0.7	*	9.8
Male	19.3	*	0.5	0.3	1.5	34.9	51.2	31.6	12.5	3.9	1.4	*	18.1
Female	1.6	*	0.5	*	0.5	3.6	3.7	1.9	1.0	0.6	*	*	1.6
All other	27.6	8.7	3.2	0.7	4.1	48.8	77.7	43.5	22.3	8.8	2.3	*	27.3
Male	45.5	7.7	3.4	0.7	5.5	78.6	131.6	80.8	41.3	17.4	*	*	46.3
Female	11.3	9.6	2.9	0.6	2.7	21.5	30.5	11.7	7.3	2.7	*	*	10.8
Black	35.9	11.5	4.1	0.8	5.4	64.5	104.1	58.0	28.8	11.0	2.9	*	36.2
Male	59.5	10.3	4.5	0.9	7.2	104.5	176.7	109.2	54.0	22.1	*	*	61.8
Female	14.7	12.7	3.6	0.8	3.5	28.6	41.0	15.6	9.4	3.2	*	*	14.3

¹Figures for age not stated included in "All ages" but not distributed among age groups.
²Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see tables 25–29 for infant mortality rates, and "Technical notes" for further discussion of the difference.
³For method of computation, see "Technical notes."

Firearm deaths

► In 1993, 39,595 deaths were assigned to firearm injuries (table 10). (See “Technical notes” for definition of firearm injuries.) The 1993 age-adjusted death rate for firearm injuries, over 15 per 100,000 population, was almost 5 percent higher than the 1992 rate. Nearly 1,000 children under the age of 15 died as a result of firearm injuries, including 116 children under age 5 and 841 children between the ages of 5 and 14.

► Age-adjusted death rates for firearm injuries have increased almost every year since 1985 (figure 7, table 11). Between 1992 and 1993, the age-adjusted rate

increased more for females than for males and more for the black population than for the white population. Between 1992 and 1993, the age-adjusted death rate for firearm injuries, all causes (table 12) increased 4.7 percent. The age-adjusted death rate for males was 5.9 times the female rate; the black population rate was 3.1 times the white population rate. Age-specific death rates (table 12) for firearm accidents and firearm homicides peaked at ages 15–24 years. Age-specific death rates for firearm suicides peaked at ages 75–84 years. This peak is due to the very high suicide rate for white males in this age group. However, the suicide rate for white males

peaked at 85 years and over; for white females, at 45–54 years; and for black males and females, at 15–24 years.

► The age-specific firearm injury death rates were higher for males than for females for all age groups, ranging from 1.6 times higher for 1–4 years to 26.6 times higher for those 85 years and over. The age-specific death rates were higher for the black population than for the white population for younger age groups but were lower than those for the white population for the oldest age groups—ranging from 5.1 times higher for 15–24 years to 0.6 times as high for 75–84 years.

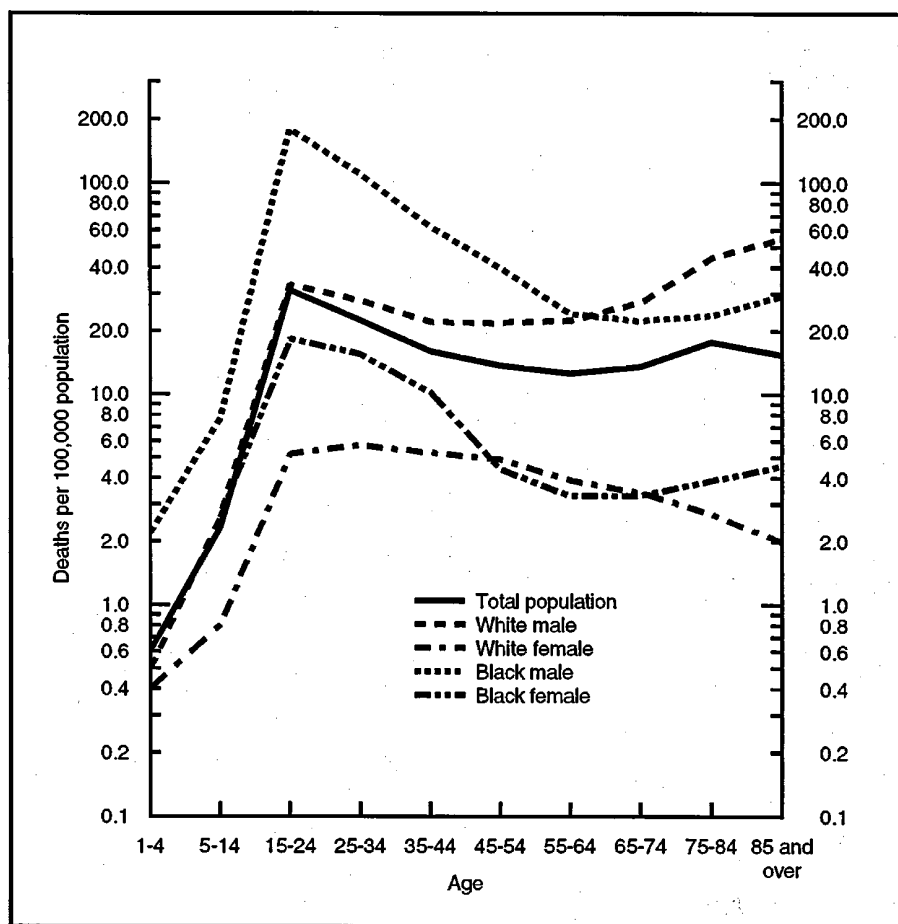


Figure 7. Death rates for Injury by firearms by age, race, and sex: United States, 1993

Table 10. Deaths from Injury by firearms by age, race, and sex: United States, 1993

<i>Cause of death (Ninth Revision, International Classification of Diseases, 1975), race,¹ and sex</i>	<i>All ages</i>	<i>Under 1 year</i>	<i>1-4 years</i>	<i>5-14 years</i>	<i>15-24 years</i>	<i>25-34 years</i>	<i>35-44 years</i>	<i>45-54 years</i>	<i>55-64 years</i>	<i>65-74 years</i>	<i>75-84 years</i>	<i>85 years and over</i>	<i>Age not stated</i>
Injury by firearms (E922.E955.0-E955.4, E965.0-E965.4,E970,E985.0-E985.4):													
All races, both sexes.	39,595	14	102	841	11,204	9,391	6,526	3,932	2,616	2,509	1,900	526	34
Male	33,711	8	65	641	9,944	7,914	5,326	3,229	2,199	2,160	1,717	478	30
Female	5,884	6	37	200	1,260	1,477	1,200	703	417	349	183	48	4
White, both sexes	26,948	6	55	508	5,625	5,820	4,695	3,255	2,317	2,322	1,808	513	24
Male	22,680	3	33	389	4,896	4,842	3,792	2,643	1,945	2,005	1,643	467	22
Female	4,268	3	22	119	729	978	903	612	372	317	165	46	2
Black, both sexes.	11,763	7	40	295	5,275	3,327	1,681	599	256	176	85	12	10
Male	10,310	4	28	223	4,783	2,879	1,416	528	217	146	68	10	8
Female	1,453	3	12	72	492	448	265	71	39	30	17	2	2
Accident caused by firearm missile (E922):													
All races, both sexes.	1,521	-	30	175	595	255	193	113	58	52	37	13	-
Male	1,328	-	28	156	541	216	155	95	53	44	31	9	-
Female	193	-	2	19	54	39	38	18	5	8	6	4	-
White, both sexes.	1,121	-	16	126	382	201	155	98	47	49	34	13	-
Male	978	-	14	116	344	173	126	82	43	42	29	9	-
Female	143	-	2	10	38	28	29	16	4	7	5	4	-
Black, both sexes.	360	-	13	41	197	47	32	14	10	3	3	-	-
Male	317	-	13	35	183	37	24	12	9	2	2	-	-
Female	43	-	-	6	14	10	8	2	1	1	1	-	-
Suicide by firearms (E955.0-E955.4)													
All races, both sexes.	18,940	...	...	187	3,213	3,611	3,194	2,433	1,997	2,104	1,714	483	4
Male	16,381	...	...	146	2,846	3,091	2,652	2,013	1,713	1,864	1,594	458	4
Female	2,559	...	...	41	367	520	542	420	284	240	120	25	-
White, both sexes.	17,271	...	...	152	2,678	3,162	2,927	2,278	1,903	2,028	1,663	476	4
Male	14,919	...	...	118	2,361	2,698	2,428	1,877	1,634	1,799	1,549	451	4
Female	2,352	...	...	34	317	464	499	401	269	229	114	25	-
Black, both sexes.	1,365	...	...	23	450	363	210	125	75	68	45	6	-
Male	1,217	...	...	19	415	327	179	111	62	58	40	6	-
Female	148	...	...	4	35	36	31	14	13	10	5	-	-
Homicide and legal intervention by firearms (E965.0-E965.4, E970):													
All races, both sexes.	18,571	14	71	458	7,213	5,396	3,062	1,327	532	324	121	26	27
Male	15,536	8	37	319	6,394	4,508	2,461	1,078	408	225	66	9	23
Female	3,035	6	34	139	819	888	601	249	124	99	55	17	4
White, both sexes	8,112	6	39	218	2,442	2,353	1,548	827	339	219	84	20	17
Male	6,420	3	19	143	2,081	1,893	1,191	646	244	140	40	5	15
Female	1,692	3	20	75	361	460	357	181	95	79	44	15	2
Black, both sexes.	9,936	7	26	224	4,576	2,897	1,428	454	170	102	36	6	10
Male	8,688	4	15	163	4,139	2,498	1,203	401	145	83	25	4	8
Female	1,248	3	11	61	437	399	225	53	25	19	11	2	2
Injury by firearms, undetermined whether accidentally or purposely inflicted (E985.0-E985.4):													
All races, both sexes.	563	-	1	21	183	129	77	59	29	29	28	4	3
Male	466	-	-	20	163	99	58	43	25	27	26	2	3
Female	97	-	1	1	20	30	19	16	4	2	2	2	-
White, both sexes.	444	-	-	12	123	104	65	52	28	26	27	4	3
Male	363	-	-	12	110	78	47	38	24	24	25	2	3
Female	81	-	-	-	13	26	18	14	4	2	2	2	-
Black, both sexes.	102	-	1	7	52	20	11	6	1	3	1	-	-
Male	88	-	-	6	46	17	10	4	1	3	1	-	-
Female	14	-	1	1	6	3	1	2	-	-	-	-	-

¹All races includes races other than white and black.

Table 11. Number of deaths, death rates, and age-adjusted death rates for Injury by firearms, by race and sex: United States, 1979–93

[Crude rates on an annual basis per 100,000 population in specific group; age-adjusted rates per 100,000 U.S. standard million population; see "Technical notes." For listing of Injury by firearms, see "Technical notes"]

Year	All races						All other					
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Number												
1993	39,595	33,711	5,884	26,948	22,680	4,268	12,647	11,031	1,616	11,763	10,310	1,453
1992	37,776	32,425	5,351	26,120	22,208	3,912	11,656	10,217	1,439	10,906	9,581	1,325
1991	38,317	32,882	5,435	26,455	22,448	4,007	11,862	10,434	1,428	11,025	9,733	1,292
1990	37,155	31,736	5,419	26,299	22,249	4,050	10,856	9,487	1,369	10,175	8,922	1,253
1989	34,776	29,596	5,180	25,023	21,149	3,874	9,753	8,447	1,306	9,077	7,904	1,173
1988	33,989	28,674	5,315	24,892	20,884	4,008	9,097	7,790	1,307	8,475	7,272	1,203
1987	32,895	27,569	5,326	24,789	20,687	4,102	8,106	6,882	1,224	7,586	6,452	1,134
1986	33,373	28,084	5,289	25,339	21,240	4,099	8,034	6,844	1,190	7,494	6,413	1,081
1985	31,566	26,382	5,184	24,507	20,389	4,118	7,059	5,993	1,066	6,565	5,584	981
1984	31,331	26,229	5,102	24,419	20,356	4,063	6,912	5,873	1,039	6,449	5,494	955
1983	31,099	25,945	5,154	24,038	19,911	4,127	7,061	6,034	1,027	6,589	5,647	942
1982	32,957	27,517	5,440	25,071	20,710	4,361	7,886	6,807	1,079	7,415	6,410	1,005
1981	34,050	28,343	5,707	25,237	20,846	4,391	8,813	7,497	1,316	8,324	7,109	1,215
1980	33,780	28,322	5,458	24,849	20,714	4,135	8,931	7,608	1,323	8,505	7,265	1,240
1979	33,019	27,476	5,543	24,234	20,039	4,195	8,785	7,437	1,348	8,304	7,031	1,273
Death rate												
1993	15.4	26.8	4.5	12.5	21.5	3.9	29.4	53.7	7.2	36.6	67.6	8.6
1992	14.8	26.0	4.1	12.3	21.3	3.6	27.7	50.7	6.5	34.5	63.9	8.0
1991	15.2	26.7	4.2	12.5	21.7	3.7	28.7	52.9	6.6	35.4	66.0	7.9
1990	14.9	26.2	4.3	12.6	21.8	3.8	27.1	49.7	6.5	33.4	61.9	7.8
1989	14.1	24.6	4.1	12.1	20.8	3.7	24.8	45.1	6.4	30.1	55.4	7.4
1988	13.9	24.1	4.2	12.1	20.7	3.8	23.7	42.6	6.5	28.5	51.7	7.7
1987	13.6	23.4	4.3	12.1	20.7	3.9	21.6	38.5	6.2	25.9	46.5	7.3
1986	13.9	24.0	4.3	12.5	21.4	3.9	21.9	39.1	6.2	25.9	46.9	7.1
1985	13.3	22.8	4.2	12.1	20.7	4.0	19.7	35.1	5.7	23.0	41.3	6.5
1984	13.3	22.9	4.2	12.2	20.8	4.0	19.7	35.1	5.6	22.9	41.2	6.4
1983	13.3	22.8	4.3	12.1	20.5	4.0	20.5	36.9	5.7	23.6	42.9	6.4
1982	14.2	24.4	4.6	12.7	21.4	4.3	23.5	42.6	6.1	27.0	49.3	6.9
1981	14.8	25.4	4.8	12.8	21.7	4.4	26.8	48.0	7.6	30.7	55.4	8.5
1980	14.9	25.7	4.7	12.8	21.8	4.1	28.1	50.5	7.9	31.9	57.7	8.8
1979	14.7	25.2	4.8	12.5	21.2	4.2	28.5	50.8	8.3	31.6	56.5	9.2
Age-adjusted death rate ¹												
1993	15.6	26.9	4.6	12.2	20.7	3.9	30.1	54.4	7.3	37.6	68.8	8.8
1992	14.9	25.9	4.1	11.8	20.4	3.6	28.0	50.9	6.6	35.1	64.5	8.0
1991	15.2	26.4	4.2	12.0	20.7	3.7	29.0	52.9	6.6	35.9	66.4	8.0
1990	14.6	25.4	4.2	11.9	20.5	3.7	26.9	48.9	6.5	33.4	61.5	7.8
1989	13.7	23.7	4.1	11.4	19.5	3.6	24.5	44.3	6.3	30.0	54.9	7.4
1988	13.4	23.0	4.2	11.3	19.3	3.7	23.3	41.6	6.4	28.2	51.0	7.6
1987	13.0	22.3	4.2	11.3	19.2	3.8	21.3	38.0	6.2	25.7	46.4	7.3
1986	13.3	22.9	4.3	11.7	19.9	3.9	21.7	39.0	6.1	25.8	47.1	7.0
1985	12.7	21.8	4.2	11.4	19.4	3.9	19.7	35.4	5.7	23.2	42.2	6.5
1984	12.8	22.0	4.2	11.6	19.6	3.9	19.8	35.9	5.7	23.2	42.6	6.5
1983	12.9	22.1	4.3	11.5	19.4	4.0	20.8	37.9	5.7	24.2	44.6	6.5
1982	13.9	23.8	4.6	12.2	20.5	4.3	23.9	44.0	6.2	27.8	51.7	7.1
1981	14.6	24.9	4.9	12.5	21.0	4.4	27.5	50.0	7.8	31.9	58.6	8.7
1980	14.8	25.3	4.8	12.4	21.1	4.2	29.1	53.0	8.1	33.5	61.8	9.1
1979	14.6	24.9	4.9	12.2	20.6	4.3	29.9	54.5	8.6	33.6	61.5	9.5

¹For method of computation, see "Technical notes."

Table 12. Age-specific and age-adjusted death rates for Injury by firearms by age, race, and sex: United States, 1993

<i>Cause of death (Ninth Revision, International Classification of Diseases, 1975), race,¹ and sex</i>	<i>All ages²</i>	<i>Under 1 year³</i>	<i>1-4 years</i>	<i>5-14 years</i>	<i>15-24 years</i>	<i>25-34 years</i>	<i>35-44 years</i>	<i>45-54 years</i>	<i>55-64 years</i>	<i>65-74 years</i>	<i>75-84 years</i>	<i>85 years and over</i>	<i>Age-adjusted rate⁴</i>
Injury by firearms (E922.E955.0-E955.4, E965.0-E965.4, E970.E985.0-E985.4):													
All races, both sexes	15.4	*	0.6	2.3	31.1	22.4	16.0	13.7	12.5	13.5	17.7	15.4	15.6
Male	26.8	*	0.8	3.4	54.0	37.8	26.4	23.1	22.2	26.2	41.9	50.5	26.9
Female	4.5	*	0.5	1.1	7.1	7.1	5.8	4.8	3.8	3.4	2.8	1.9	4.6
White, both sexes	12.5	*	0.4	1.7	19.5	16.9	13.8	13.2	12.8	14.0	18.6	16.5	12.2
Male	21.5	*	0.5	2.6	33.0	27.9	22.2	21.8	22.3	27.2	44.1	54.6	20.7
Female	3.9	*	0.4	0.8	5.2	5.7	5.3	4.9	3.9	3.4	2.7	2.0	3.9
Black, both sexes	36.6	*	1.6	5.2	98.5	60.5	34.4	20.5	12.4	11.1	10.6	*	37.6
Male	67.6	*	2.2	7.7	179.0	110.7	62.3	39.8	24.1	22.3	23.6	*	68.8
Female	8.6	*	*	2.6	18.3	15.5	10.2	4.4	3.3	3.2	*	*	8.8
Accident caused by firearm missile (E922):													
All races, both sexes	0.6	*	0.2	0.5	1.7	0.6	0.5	0.4	0.3	0.3	0.3	*	0.7
Male	1.1	*	0.3	0.8	2.9	1.0	0.8	0.7	0.5	0.5	0.8	*	1.1
Female	0.1	*	*	*	0.3	0.2	0.2	*	*	*	*	*	0.2
White, both sexes	0.5	*	*	0.4	1.3	0.6	0.5	0.4	0.3	0.3	0.3	*	0.6
Male	0.9	*	*	0.8	2.3	1.0	0.7	0.7	0.5	0.6	0.8	*	1.0
Female	0.1	*	*	*	0.3	0.2	0.2	*	*	*	*	*	0.2
Black, both sexes	1.1	*	*	0.7	3.7	0.9	0.7	*	*	*	*	*	1.2
Male	2.1	*	*	1.2	6.8	1.4	1.1	*	*	*	*	*	2.1
Female	0.3	*	*	*	*	*	*	*	*	*	*	*	0.2
Suicide by firearms (E955.0-E955.4)													
All races, both sexes	7.3	...	...	0.5	8.9	8.6	7.8	8.5	9.5	11.3	16.0	14.2	6.8
Male	13.0	...	...	0.8	15.5	14.8	13.1	14.4	17.3	22.6	38.9	48.4	12.2
Female	1.9	...	...	0.2	2.1	2.5	2.6	2.9	2.6	2.3	1.8	1.0	1.9
White, both sexes	8.0	...	...	0.5	9.3	9.2	8.6	9.3	10.5	12.2	17.1	15.3	7.3
Male	14.2	...	...	0.8	15.9	15.5	14.2	15.5	18.8	24.4	41.6	52.8	12.9
Female	2.1	...	...	0.2	2.3	2.7	2.9	3.2	2.8	2.5	1.9	1.1	2.1
Black, both sexes	4.2	...	...	0.4	8.4	6.6	4.3	4.3	3.6	4.3	5.6	*	4.4
Male	8.0	...	...	*	15.5	12.6	7.9	8.4	6.9	8.8	13.9	*	8.3
Female	0.9	...	...	*	1.3	1.2	1.2	*	*	*	*	*	0.9
Homicide and legal intervention by firearms (E965.0-E965.4, E970):													
All races, both sexes	7.2	*	0.5	1.2	20.0	12.9	7.5	4.6	2.5	1.7	1.1	0.8	7.9
Male	12.3	*	0.5	1.7	34.8	21.5	12.2	7.7	4.1	2.7	1.6	*	13.2
Female	2.3	*	0.4	0.8	4.6	4.2	2.9	1.7	1.1	1.0	0.8	*	2.4
White, both sexes	3.8	*	0.3	0.7	8.4	6.8	4.5	3.4	1.9	1.3	0.9	0.6	4.0
Male	6.1	*	0.9	1.4	10.9	7.0	5.3	2.8	1.9	1.1	*	6.4	
Female	1.5	*	0.3	0.5	2.6	2.7	2.1	1.5	1.0	0.9	0.7	*	1.6
Black, both sexes	30.9	*	1.0	3.9	85.5	52.7	29.3	15.5	8.2	6.4	4.5	*	31.8
Male	57.0	*	*	5.7	154.9	96.1	52.9	30.2	16.1	12.7	8.7	*	57.8
Female	7.4	*	*	2.2	16.3	13.8	8.6	3.3	2.1	*	*	*	7.5
Injury by firearms, undetermined whether accidentally or purposely inflicted (E985.0-E985.4):													
All races, both sexes	0.2	*	*	0.1	0.5	0.3	0.2	0.2	0.1	0.2	0.3	*	0.2
Male	0.4	*	*	0.1	0.9	0.5	0.3	0.3	0.3	0.3	0.6	*	0.4
Female	0.1	*	*	*	0.1	0.1	*	*	*	*	*	*	0.1
White, both sexes	0.2	*	*	*	0.4	0.3	0.2	0.2	0.2	0.2	0.3	*	0.2
Male	0.3	*	*	*	0.7	0.4	0.3	0.3	0.3	0.3	0.7	*	0.3
Female	0.1	*	*	*	*	0.2	*	*	*	*	*	*	0.1
Black, both sexes	0.3	*	*	*	1.0	0.4	*	*	*	*	*	*	0.3
Male	0.6	*	*	*	1.7	*	*	*	*	*	*	*	0.6
Female	*	*	*	*	*	*	*	*	*	*	*	*	*

¹Includes races other than white and black.
²Figures for age not stated are included in "All ages" but are not distributed among age groups.
³Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see tables 25-29 for infant mortality rates and "Technical notes" for further discussion of the difference.
⁴For method of computation, see "Technical notes."

Alzheimer's disease

▶ Beginning with this report, deaths from Alzheimer's disease are shown. In 1993, 16,754 persons died from Alzheimer's disease. For the four race-sex groups combined, the age-adjusted death rate was 2.3 per 100,000 population. The crude death rate was 6.5 per 100,000 population. Age-specific rates ranged from 0.2 deaths for white females aged

45-54 years to 244.7 for white females aged 85 years and over.

▶ For most age groups, the death rates for females were greater than those for males. Death rates were 2.8 times higher for the white population than for the black population (table 13). Reporting of Alzheimer's disease deaths has increased

since the disease was designated a unique cause in 1979 (table 14). The increase likely reflects improvements in reporting and diagnosis of the disease rather than increases in prevalence (7). (For definition and problems associated with reporting of Alzheimer's disease, see "Technical notes.")

Table 13. Number of deaths and death rates by 10-year age groups and age-adjusted death rates for Alzheimer's disease, by race and sex: United States, 1993

[Age-specific rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard million population; see "Technical notes." Deaths from Alzheimer's disease are those assigned to category 331.0; see "Technical notes"]

Race and sex	Age							Age-adjusted rate ²
	All ages ¹	Under 45 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	
Number								
All races	16,754	5	30	297	1,807	6,847	7,768	...
Male	5,821	4	8	135	889	2,794	1,991	...
Female	10,933	1	22	162	918	4,053	5,777	...
White	15,826	4	26	266	1,685	6,448	7,397	...
Male	5,466	4	7	121	828	2,631	1,875	...
Female	10,360	-	19	145	857	3,817	5,522	...
All other	928	1	4	31	122	399	371	...
Male	355	-	1	14	61	163	116	...
Female	573	1	3	17	61	236	255	...
Black	827	1	3	29	108	365	321	...
Male	308	-	1	14	54	147	92	...
Female	519	1	2	15	54	218	229	...
Death rate								
All races	6.5	*	0.1	1.4	9.7	63.9	227.6	2.3
Male	4.6	*	*	1.4	10.8	68.2	210.4	2.4
Female	8.3	*	0.2	1.5	8.8	61.2	234.2	2.3
White	7.4	*	0.1	1.5	10.1	66.3	237.7	2.4
Male	5.2	*	*	1.4	11.2	70.6	219.4	2.5
Female	9.5	*	*	1.5	9.3	63.6	244.7	2.4
All other	2.2	*	*	1.1	6.0	40.3	123.0	1.4
Male	1.7	*	*	*	7.1	44.1	126.6	1.6
Female	2.6	*	*	*	5.2	38.0	121.4	1.3
Black	2.6	*	*	1.4	6.8	45.5	125.0	1.6
Male	2.0	*	*	*	8.2	51.0	123.7	1.8
Female	3.1	*	*	*	5.8	42.4	125.6	1.5

¹Figures for age not stated included in "All ages" but not distributed among age groups.

²For method of computation, see "Technical notes."

Table 14. Number of deaths, death rates, and age-adjusted death rates for Alzheimer's disease, by race and sex: United States, 1979-93

[Rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard million population; see "Technical notes." Deaths from Alzheimer's disease are those assigned to category 331.0; see "Technical notes"]

Year	All races						All other					
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	Number											
1993	16,754	5,821	10,933	15,826	5,466	10,360	928	355	573	827	308	519
1992	14,435	5,097	9,338	13,634	4,795	8,839	801	302	499	730	267	463
1991	14,112	5,070	9,042	13,401	4,787	8,614	711	283	428	660	265	395
1990	13,744	4,992	8,752	13,020	4,675	8,345	724	317	407	662	281	381
1989	13,110	4,970	8,140	12,443	4,692	7,751	667	278	389	618	259	359
1988	12,281	4,732	7,549	11,730	4,515	7,215	551	217	334	499	193	306
1987	11,311	4,545	6,766	10,801	4,329	6,472	510	216	294	463	193	270
1986	9,426	3,862	5,564	9,037	3,708	5,329	389	154	235	347	130	217
1985	8,258	3,523	4,735	7,917	3,383	4,534	341	140	201	310	121	189
1984	6,250	2,803	3,447	6,032	2,712	3,320	218	91	127	197	81	116
1983	4,434	2,021	2,413	4,256	1,935	2,321	178	86	92	156	74	82
1982	2,627	1,208	1,419	2,533	1,166	1,367	94	42	52	87	37	50
1981	1,757	831	926	1,691	797	894	66	34	32	61	30	31
1980	1,314	653	661	1,258	619	639	56	34	22	53	31	22
1979	857	429	428	818	408	410	39	21	18	33	18	15
	Death rate											
1993	6.5	4.6	8.3	7.4	5.2	9.5	2.2	1.7	2.6	2.6	2.0	3.1
1992	5.7	4.1	7.2	6.4	4.6	8.1	1.9	1.5	2.3	2.3	1.8	2.8
1991	5.6	4.1	7.0	6.4	4.6	8.0	1.7	1.4	2.0	2.1	1.8	2.4
1990	5.5	4.1	6.9	6.2	4.6	7.8	1.8	1.7	1.9	2.2	1.9	2.4
1989	5.3	4.1	6.4	6.0	4.6	7.3	1.7	1.5	1.9	2.1	1.8	2.3
1988	5.0	4.0	6.0	5.7	4.5	6.8	1.4	1.2	1.7	1.7	1.4	2.0
1987	4.7	3.9	5.4	5.3	4.3	6.2	1.4	1.2	1.5	1.6	1.4	1.7
1986	3.9	3.3	4.5	4.4	3.7	5.1	1.1	0.9	1.2	1.2	0.9	1.4
1985	3.5	3.0	3.9	3.9	3.4	4.4	1.0	0.8	1.1	1.1	0.9	1.3
1984	2.7	2.4	2.8	3.0	2.8	3.2	0.6	0.5	0.7	0.7	0.6	0.8
1983	1.9	1.8	2.0	2.1	2.0	2.3	0.5	0.5	0.5	0.6	0.6	0.6
1982	1.1	1.1	1.2	1.3	1.2	1.3	0.3	0.3	0.3	0.3	0.3	0.3
1981	0.8	0.7	0.8	0.9	0.8	0.9	0.2	0.2	0.2	0.2	0.2	0.2
1980	0.6	0.6	0.6	0.6	0.7	0.6	0.2	0.2	0.1	0.2	0.2	0.2
1979	0.4	0.4	0.4	0.4	0.4	0.4	0.1	0.1	*	0.1	*	*
	Age-adjusted death rate ¹											
1993	2.3	2.4	2.3	2.4	2.5	2.4	1.4	1.6	1.3	1.6	1.8	1.5
1992	2.1	2.2	2.0	2.2	2.3	2.1	1.3	1.4	1.2	1.5	1.6	1.4
1991	2.1	2.2	2.1	2.2	2.3	2.2	1.2	1.3	1.1	1.4	1.6	1.3
1990	2.2	2.3	2.1	2.3	2.4	2.2	1.3	1.6	1.1	1.4	1.8	1.2
1989	2.1	2.3	2.0	2.2	2.4	2.1	1.2	1.4	1.1	1.4	1.7	1.2
1988	2.1	2.3	2.0	2.2	2.4	2.1	1.1	1.1	1.0	1.2	1.2	1.1
1987	2.0	2.3	1.8	2.1	2.4	1.9	1.0	1.2	0.9	1.1	1.3	1.0
1986	1.8	2.0	1.6	1.9	2.1	1.7	0.9	0.9	0.8	0.9	0.9	0.9
1985	1.6	1.9	1.5	1.7	2.0	1.5	0.8	0.8	0.7	0.8	0.9	0.8
1984	1.3	1.6	1.1	1.4	1.7	1.2	0.5	0.5	0.5	0.5	0.6	0.5
1983	1.0	1.2	0.9	1.1	1.3	0.9	0.4	0.5	0.4	0.4	0.5	0.4
1982	0.6	0.7	0.6	0.7	0.8	0.6	0.2	0.3	0.2	0.3	0.3	0.2
1981	0.5	0.5	0.4	0.5	0.6	0.4	0.2	0.2	0.1	0.2	0.2	0.2
1980	0.4	0.4	0.3	0.4	0.5	0.3	0.2	0.2	0.1	0.2	0.3	0.1
1979	0.2	0.3	0.2	0.3	0.3	0.2	0.1	0.1	*	0.1	*	*

¹For method of computation, see "Technical notes."

Drug and alcohol-induced deaths

► In 1993, 13,275 deaths in the United States were assigned to drug-induced causes in the United States (table 15). (For the listing of drug-induced causes, see "Technical notes.") Between 1992 and 1993 the age-adjusted death rate increased 11.6 percent. The age-adjusted

death rate for drug-induced causes for males was 2.3 times that for females; for the black population the rate was 1.8 times that for the white population.

► In 1993, 19,557 deaths were assigned to alcohol-induced causes in the United States (table 16). (For the listing of alcohol-induced causes, see "Technical

notes.") Between 1992 and 1993, the age-adjusted death rate decreased 1.6 percent. The age-adjusted death rate for alcohol-induced deaths for males was 3.6 times that for females; for the black population, 2 times that for the white population.

Table 15. Number of deaths, death rates, and age-adjusted death rates for drug-induced causes, by race and sex: United States, 1979–93

[Crude rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard million population; see "Technical notes." For listing of drug-induced causes, see "Technical notes"]

Year	All races			White			Total			All other		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
1993	13,275	9,052	4,223	10,394	7,005	3,389	2,881	2,047	834	2,688	1,924	764
1992	11,703	7,766	3,937	9,360	6,124	3,236	2,343	1,642	701	2,148	1,533	615
1991	10,388	6,593	3,795	8,204	5,129	3,075	2,184	1,464	720	2,037	1,385	652
1990	9,463	5,897	3,566	7,603	4,646	2,957	1,860	1,251	609	1,703	1,155	548
1989	10,710	6,895	3,815	8,336	5,249	3,087	2,374	1,646	728	2,236	1,570	666
1988	10,917	7,004	3,913	8,409	5,234	3,175	2,508	1,770	738	2,395	1,700	695
1987	9,796	6,146	3,650	7,547	4,600	2,947	2,249	1,546	703	2,101	1,465	636
1986	9,976	6,284	3,692	7,948	4,885	3,063	2,028	1,399	629	1,906	1,335	571
1985	8,663	5,342	3,321	6,946	4,172	2,774	1,717	1,170	547	1,600	1,107	493
1984	7,892	4,640	3,252	6,309	3,587	2,722	1,583	1,053	530	1,480	997	483
1983	7,492	4,145	3,347	6,187	3,378	2,809	1,305	767	538	1,194	724	470
1982	7,310	4,130	3,180	5,991	3,251	2,740	1,319	879	440	1,212	822	390
1981	7,106	3,835	3,271	5,863	3,042	2,821	1,243	793	450	1,152	751	401
1980	6,900	3,771	3,129	5,814	3,088	2,726	1,086	683	403	1,006	648	358
1979	7,101	3,656	3,445	6,116	3,077	3,039	985	579	406	897	540	357
Death rate												
1993	5.1	7.2	3.2	4.8	6.7	3.1	6.7	10.0	3.7	8.4	12.6	4.5
1992	4.6	6.2	3.0	4.4	5.9	3.0	5.6	8.2	3.2	6.8	10.2	3.7
1991	4.1	5.4	2.9	3.9	5.0	2.9	5.3	7.4	3.3	6.5	9.4	4.0
1990	3.8	4.9	2.8	3.6	4.5	2.8	4.6	6.6	2.9	5.6	8.0	3.4
1989	4.3	5.7	3.0	4.0	5.2	2.9	6.0	8.8	3.5	7.4	11.0	4.2
1988	4.5	5.9	3.1	4.1	5.2	3.0	6.5	9.7	3.7	8.1	12.1	4.4
1987	4.0	5.2	2.9	3.7	4.6	2.8	6.0	8.6	3.6	7.2	10.6	4.1
1986	4.2	5.4	3.0	3.9	4.9	2.9	5.5	8.0	3.3	6.6	9.8	3.7
1985	3.6	4.6	2.7	3.4	4.2	2.7	4.8	6.8	2.9	5.6	8.2	3.3
1984	3.3	4.0	2.7	3.1	3.7	2.6	4.5	6.3	2.9	5.2	7.5	3.2
1983	3.2	3.6	2.8	3.1	3.5	2.8	3.8	4.7	3.0	4.3	5.5	3.2
1982	3.2	3.7	2.7	3.0	3.4	2.7	3.9	5.5	2.5	4.4	6.3	2.7
1981	3.1	3.4	2.8	3.0	3.2	2.8	3.8	5.1	2.6	4.2	5.9	2.8
1980	3.0	3.4	2.7	3.0	3.3	2.7	3.4	4.5	2.4	3.8	5.1	2.5
1979	3.2	3.4	3.0	3.2	3.3	3.1	3.2	4.0	2.5	3.4	4.3	2.6
Age-adjusted death rate ¹												
1993	4.8	6.8	3.0	4.5	6.2	2.8	6.6	10.0	3.6	8.3	13.0	4.4
1992	4.3	5.9	2.8	4.1	5.5	2.7	5.5	8.3	3.1	6.8	10.6	3.6
1991	3.8	5.0	2.7	3.6	4.6	2.6	5.2	7.5	3.2	6.6	9.7	3.9
1990	3.6	4.6	2.6	3.3	4.2	2.5	4.6	6.7	2.8	5.7	8.4	3.4
1989	4.1	5.4	2.8	3.7	4.8	2.6	6.0	8.9	3.4	7.5	11.4	4.1
1988	4.2	5.6	2.9	3.8	4.9	2.7	6.6	10.0	3.6	8.3	12.9	4.4
1987	3.8	5.0	2.7	3.4	4.3	2.5	6.0	9.0	3.5	7.4	11.3	4.1
1986	4.0	5.2	2.8	3.7	4.7	2.7	5.6	8.4	3.2	6.9	10.5	3.7
1985	3.5	4.5	2.6	3.3	4.0	2.5	4.9	7.2	2.9	5.9	8.9	3.3
1984	3.2	3.9	2.6	3.0	3.5	2.5	4.6	6.7	2.9	5.5	8.2	3.3
1983	3.1	3.6	2.6	3.0	3.3	2.5	4.0	5.1	3.0	4.6	6.1	3.3
1982	3.1	3.6	2.6	2.9	3.3	2.5	4.1	5.8	2.6	4.7	6.9	2.8
1981	3.1	3.4	2.7	2.9	3.1	2.7	4.0	5.5	2.7	4.6	6.6	2.9
1980	3.0	3.4	2.6	2.9	3.2	2.6	3.7	4.9	2.5	4.1	5.8	2.7
1979	3.1	3.4	2.9	3.1	3.2	3.0	3.4	4.3	2.6	3.7	4.9	2.7

¹For method of computation, see "Technical notes."

Table 16. Number of deaths, death rates, and age-adjusted death rates for alcohol-induced causes, by race and sex: United States, 1979–93

[Crude rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard million population; see "Technical notes." For listing of alcohol-induced causes, see "Technical notes"]

Year	All races			White			Total			All other		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	Number											
1993	19,557	14,873	4,684	15,293	11,716	3,577	4,264	3,157	1,107	3,663	2,759	904
1992	19,568	14,926	4,642	15,143	11,701	3,442	4,425	3,225	1,200	3,809	2,800	1,009
1991	19,233	14,467	4,766	14,825	11,286	3,539	4,408	3,181	1,227	3,883	2,816	1,067
1990	19,757	14,842	4,915	14,904	11,334	3,570	4,853	3,508	1,345	4,337	3,172	1,165
1989	19,810	14,960	4,850	14,832	11,307	3,525	4,978	3,653	1,325	4,400	3,263	1,137
1988	18,872	14,206	4,666	14,035	10,681	3,354	4,837	3,525	1,312	4,294	3,159	1,135
1987	17,819	13,461	4,358	13,361	10,172	3,189	4,458	3,289	1,169	4,055	3,028	1,027
1986	17,425	12,986	4,439	13,198	9,864	3,334	4,227	3,122	1,105	3,853	2,862	991
1985	17,741	13,216	4,525	13,216	9,922	3,294	4,525	3,294	1,231	4,114	3,030	1,084
1984	17,606	12,995	4,611	13,384	9,986	3,398	4,222	3,009	1,213	3,776	2,710	1,066
1983	17,400	12,812	4,588	13,288	9,863	3,425	4,112	2,949	1,163	3,708	2,668	1,040
1982	17,541	12,903	4,638	13,527	10,042	3,485	4,014	2,861	1,153	3,603	2,573	1,030
1981	18,660	13,600	5,060	14,199	10,441	3,758	4,461	3,159	1,302	4,000	2,858	1,142
1980	19,765	14,447	5,318	14,815	10,936	3,879	4,950	3,511	1,439	4,451	3,170	1,281
1979	18,951	13,788	5,163	14,334	10,513	3,821	4,617	3,275	1,342	4,132	2,953	1,179
	Death rate											
1993	7.6	11.8	3.5	7.1	11.1	3.3	9.9	15.4	4.9	11.4	18.1	5.3
1992	7.7	12.0	3.6	7.1	11.2	3.2	10.5	16.0	5.5	12.0	18.7	6.1
1991	7.6	11.8	3.7	7.0	10.9	3.3	10.7	16.1	5.7	12.5	19.1	6.5
1990	7.9	12.2	3.9	7.1	11.1	3.4	12.1	18.4	6.4	14.2	22.0	7.3
1989	8.0	12.4	3.8	7.1	11.1	3.3	12.7	19.5	6.5	14.6	22.9	7.2
1988	7.7	11.9	3.7	6.8	10.6	3.2	12.6	19.3	6.5	14.4	22.5	7.2
1987	7.4	11.4	3.5	6.5	10.2	3.0	11.9	18.4	6.0	13.8	21.8	6.6
1986	7.3	11.1	3.6	6.5	9.9	3.2	11.5	17.8	5.8	13.3	20.9	6.5
1985	7.5	11.4	3.7	6.5	10.1	3.2	12.6	19.3	6.5	14.4	22.4	7.2
1984	7.5	11.3	3.8	6.7	10.2	3.3	12.0	18.0	6.6	13.4	20.3	7.2
1983	7.4	11.3	3.8	6.7	10.1	3.4	12.0	18.0	6.5	13.3	20.3	7.1
1982	7.6	11.5	3.9	6.8	10.4	3.4	11.9	17.9	6.5	13.1	19.8	7.1
1981	8.1	12.2	4.3	7.2	10.9	3.7	13.6	20.2	7.6	14.7	22.3	8.0
1980	8.7	13.1	4.6	7.6	11.5	3.9	15.6	23.3	8.6	16.7	25.2	9.1
1979	8.4	12.6	4.5	7.4	11.1	3.8	15.0	22.4	8.3	15.7	23.7	8.5
	Age-adjusted death rate ¹											
1993	6.7	10.8	3.0	6.1	9.7	2.7	10.8	17.8	5.0	12.5	21.3	5.5
1992	6.8	11.0	3.1	6.1	9.9	2.6	11.6	18.9	5.6	13.4	22.3	6.3
1991	6.8	10.9	3.2	6.0	9.7	2.7	11.8	19.2	5.9	13.9	22.9	6.8
1990	7.2	11.4	3.4	6.2	9.9	2.8	13.6	22.0	6.8	16.1	26.6	7.7
1989	7.3	11.7	3.4	6.2	9.9	2.8	14.3	23.3	6.9	16.6	27.7	7.8
1988	7.1	11.3	3.3	5.9	9.5	2.7	14.3	23.2	7.0	16.6	27.3	7.9
1987	6.8	10.9	3.2	5.8	9.2	2.6	13.5	22.2	6.5	15.9	26.7	7.3
1986	6.7	10.6	3.3	5.7	9.0	2.7	13.1	21.6	6.2	15.3	25.5	7.1
1985	7.0	11.0	3.4	5.8	9.2	2.8	14.6	23.5	7.2	16.8	27.7	8.0
1984	7.0	10.9	3.5	5.9	9.3	2.9	14.0	22.2	7.3	15.7	25.4	8.0
1983	7.0	10.9	3.5	6.0	9.3	2.9	14.0	22.3	7.3	15.8	25.4	8.0
1982	7.2	11.2	3.6	6.2	9.7	3.0	14.2	22.4	7.4	15.7	25.1	8.1
1981	7.8	12.0	4.1	6.6	10.2	3.3	16.3	25.6	8.7	17.9	28.5	9.3
1980	8.4	13.0	4.3	6.9	10.8	3.5	18.8	29.5	10.0	20.4	32.4	10.6
1979	8.2	12.6	4.3	6.8	10.6	3.5	18.1	28.3	9.7	19.2	30.4	10.1

¹For method of computation, see "Technical notes."

Maternal mortality

► In 1993, 302 deaths were attributed to maternal causes (table 17). The maternal mortality rate was 7.5 deaths per

100,000 live births, a 6.8-percent decrease in the 1992 rate of 3.8. The maternal mortality rate for black women was 4.3 times the rate for white women (figure 8, table 17); but the race

differentials for individual causes within this category ranged from 4 times for Other direct obstetric causes to 5.4 times for Pregnancy with abortive outcome.

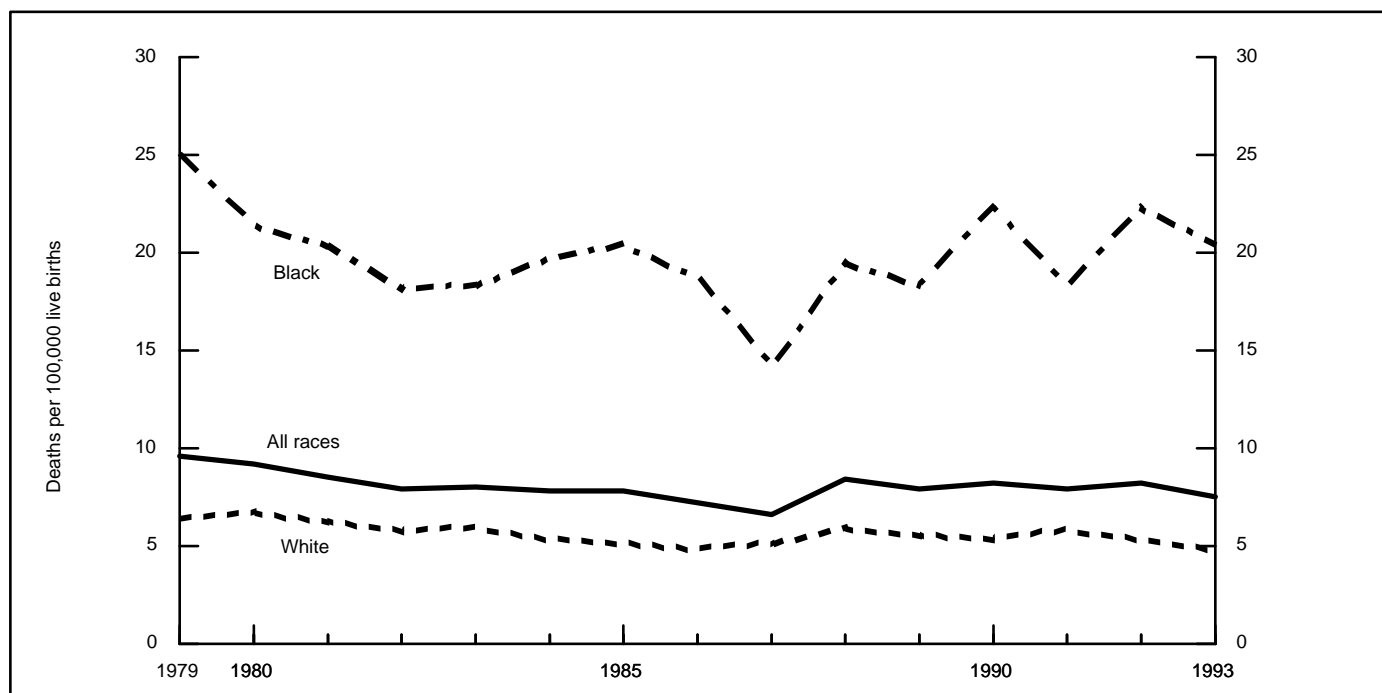


Figure 8. Maternal mortality rates by race: United States, 1979–93

Table 17. Number of maternal deaths and maternal mortality rates for selected causes, by race: United States, 1993

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

Cause of death (<i>Ninth Revision, International Classification of Diseases, 1975</i>)	All races	All other				All other			
		White	Total		White	Total			
			Black	Rate		Black	Rate		
Complications of pregnancy, childbirth, and the puerperium630–676	302	152	150	135	7.5	4.8	17.6	20.5	
Pregnancy with abortive outcome630–638	47	21	26	25	1.2	0.7	3.1	3.8	
Ectopic pregnancy633	34	12	22	21	0.8	*	2.6	3.2	
Spontaneous abortion634	4	3	1	1	*	*	*	*	
Legally induced abortion635	4	2	2	2	*	*	*	*	
Illegally induced abortion636	—	—	—	—	*	*	*	*	
Other pregnancy with abortive outcome630–632,637–638	5	4	1	1	*	*	*	*	
Direct obstetric causes640–646,651–676	241	124	117	104	6.0	3.9	13.8	15.8	
Hemorrhage of pregnancy and childbirth640–641,666	40	17	23	21	1.0	*	2.7	3.2	
Toxemia of pregnancy642.4–642.9,643	53	35	18	16	1.3	1.1	*	*	
Obstructed labor660	—	—	—	—	*	*	*	*	
Complications of the puerperium670–676	101	48	53	46	2.5	1.5	6.2	7.0	
Other direct obstetric causes642.0–642.3,644–646,651–659,661–665,667–669	47	24	23	21	1.2	0.8	2.7	3.2	
Indirect obstetric causes647–648	14	7	7	6	*	*	*	*	
Delivery in a completely normal case650	—	—	—	—	*	*	*	*	

Additional tables

Tables 18–24 present additional data for specified causes of death not discussed in the text.

Table 18. Deaths from 72 selected causes by age: United States, 1993
 [For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

<i>Cause of death (Ninth Revision, International Classification of Diseases, 1975)</i>	<i>All ages</i>	<i>Under 1 year</i>	<i>1-4 years</i>	<i>5-14 years</i>	<i>15-24 years</i>	<i>25-34 years</i>	<i>35-44 years</i>	<i>45-54 years</i>	<i>55-64 years</i>	<i>65-74 years</i>	<i>75-84 years</i>	<i>85 years and over</i>	<i>Not stated</i>
All causes	2,268,553	33,466	7,066	8,658	35,483	59,645	96,038	131,815	241,581	487,819	638,038	528,437	507
Shigellosis and amebiasis004,006	11	1	1	—	2	—	1	—	—	4	2	—	—
Certain other intestinal infections.007-009	631	133	11	3	3	6	14	17	32	91	165	156	—
Tuberculosis010-018	1,631	2	5	2	13	83	159	192	209	350	418	197	1
Tuberculosis of respiratory system010-012	1,276	—	—	—	3	51	118	154	162	293	322	172	1
Other tuberculosis013-018	355	2	5	2	10	32	41	38	47	57	96	25	—
Whooping cough.033	7	7	—	—	—	—	—	—	—	—	—	—	—
Streptococcal sore throat, scarlatina, and erysipelas034-035	13	—	—	—	2	—	1	—	2	1	1	6	—
Meningococcal infection.036	260	46	29	27	56	14	23	15	16	13	14	7	—
Septicemia038	20,634	233	96	60	64	274	609	841	1,609	3,997	6,489	6,360	2
Acute poliomyelitis.045	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles.055	—	—	—	—	—	—	—	—	—	—	—	—	—
Viral hepatitis.070	2,489	3	1	6	34	146	420	400	432	554	414	79	—
Syphilis090-097	80	12	1	—	1	10	7	3	7	13	19	7	—
All other infectious and parasitic diseases001-003,005,020-032,037,039-041,*042-*044,046-054,056-066,071-088,098-139	44,387	333	327	266	778	11,892	16,801	7,247	2,721	1,894	1,351	766	11
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.140-208	529,904	88	522	1,089	1,738	5,079	16,755	42,372	90,685	163,309	146,537	61,703	27
Malignant neoplasms of lip, oral cavity, and pharynx140-149	8,241	2	—	3	20	58	338	1,087	1,888	2,438	1,698	709	—
Malignant neoplasms of digestive organs and peritoneum150-159	124,466	5	22	26	119	638	2,977	8,424	19,578	37,174	37,150	18,340	13
Malignant neoplasms of respiratory and intrathoracic organs.160-165	154,183	2	1	8	43	310	2,701	12,285	33,236	57,057	38,947	9,586	7
Malignant neoplasm of breast174-175	43,910	—	—	—	14	547	3,138	6,189	8,007	11,095	9,790	5,129	1
Malignant neoplasms of genital organs179-187	60,393	—	—	7	105	547	1,520	3,009	6,665	16,681	21,065	10,792	2
Malignant neoplasms of urinary organs188-189	21,769	5	16	28	18	96	434	1,474	3,138	6,418	6,751	3,391	—
Malignant neoplasms of all other and unspecified sites.170-173,190-199	65,315	42	309	525	697	1,465	3,365	6,278	11,137	18,155	16,096	7,244	2
Leukemia.204-208	19,530	31	154	412	470	616	912	1,300	2,421	5,006	5,430	2,777	1
Other malignant neoplasms of lymphatic and hematopoietic tissues.200-203	32,097	1	20	80	252	802	1,370	2,326	4,615	9,285	9,610	3,735	1
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature.210-239	7,441	61	77	72	96	219	341	477	771	1,580	2,211	1,534	2
Diabetes mellitus250	53,894	1	14	24	118	602	1,697	3,449	7,478	14,984	16,322	9,196	9
Nutritional deficiencies260-269	3,451	23	6	—	4	19	40	57	100	371	1,012	1,818	1
Anemias280-285	4,315	44	44	53	118	186	212	165	236	564	1,196	1,496	1
Meningitis320-322	788	107	39	31	29	57	71	74	75	129	126	50	—
Major cardiovascular diseases390-448	948,088	893	350	409	1,272	4,612	16,416	39,276	85,761	194,900	303,100	301,002	97
Diseases of heart390-398,402,404-429	743,460	663	296	303	981	3,539	13,121	32,679	72,043	158,103	234,020	227,632	80
Rheumatic fever and rheumatic heart disease.390-398	5,743	4	5	7	27	104	222	370	692	1,504	1,803	1,005	—
Hypertensive heart disease402	23,037	2	1	1	16	170	751	1,684	2,752	4,744	6,545	6,369	2
Hypertensive heart and renal disease404	2,464	—	—	—	8	23	48	85	192	467	850	791	—
Ischemic heart disease410-414	490,063	29	12	11	121	1,121	6,780	20,197	47,234	107,744	159,120	147,652	42
Acute myocardial infarction410	227,456	12	5	6	63	585	3,788	11,689	26,647	55,756	74,500	54,391	14
Other acute and subacute forms of ischemic heart disease411	2,968	—	—	—	3	26	120	259	428	675	788	664	5
Angina pectoris413	984	—	—	—	1	3	17	30	70	175	306	382	—
Old myocardial infarction and other forms of chronic ischemic heart disease412,414	258,655	17	7	5	54	507	2,855	8,219	20,089	51,138	83,526	92,215	23
Other diseases of endocardium424	15,200	14	5	7	33	129	275	385	865	2,353	5,336	5,797	1
All other forms of heart disease.415-423,425-429	206,953	614	273	277	776	1,992	5,045	9,958	20,308	41,291	60,366	66,018	35

See footnotes at end of table.

Table 18. Deaths from 72 selected causes by age: United States, 1993—Con.

[For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

<i>Cause of death (Ninth Revision, International Classification of Diseases, 1975)</i>	<i>All ages</i>	<i>Under 1 year</i>	<i>1–4 years</i>	<i>5–14 years</i>	<i>15–24 years</i>	<i>25–34 years</i>	<i>35–44 years</i>	<i>45–54 years</i>	<i>55–64 years</i>	<i>65–74 years</i>	<i>75–84 years</i>	<i>85 years and over</i>	<i>Not stated</i>
Hypertension with or without renal disease401,403	11,243	4	2	1	16	66	246	486	1,047	2,266	3,570	3,537	2
Cerebrovascular diseases430–438	150,108	214	49	79	208	797	2,519	5,057	9,625	25,311	51,365	54,875	9
Intracerebral and other intracranial hemorrhage431–432	21,449	58	11	36	64	266	995	1,880	2,759	5,140	6,689	3,548	3
Cerebral thrombosis and unspecified occlusion of cerebral arteries434.0,434.9	15,236	25	9	5	20	40	128	341	807	2,505	5,247	6,108	1
Cerebral embolism434.1	643	1	–	–	2	5	12	13	47	121	239	203	–
All other and late effects of cerebrovascular diseases430,433,435–438	112,780	130	29	38	122	486	1,384	2,823	6,012	17,545	39,190	45,016	5
Atherosclerosis440	17,272	–	–	2	2	13	46	171	575	2,004	5,057	9,399	3
Other diseases of arteries, arterioles, and capillaries441–448	26,005	12	3	24	65	197	484	883	2,471	7,216	9,088	5,559	3
Acute bronchitis and bronchiolitis466	662	75	14	6	6	10	11	28	42	95	166	208	1
Pneumonia and influenza480–487	82,820	530	182	135	251	724	1,551	1,879	3,704	10,823	25,859	37,171	11
Pneumonia480–486	81,776	520	168	122	243	716	1,532	1,857	3,658	10,709	25,601	36,639	11
Influenza487	1,044	10	14	13	8	8	19	22	46	114	258	532	–
Chronic obstructive pulmonary diseases and allied conditions490–496	101,077	53	51	138	206	296	733	2,494	10,671	31,268	38,300	16,857	10
Bronchitis, chronic and unspecified490–491	3,777	41	12	15	9	17	46	109	355	976	1,278	918	1
Emphysema492	17,586	1	1	3	4	9	59	444	2,266	6,167	6,575	2,056	1
Asthma493	5,167	6	32	118	186	240	405	508	738	1,196	1,114	623	1
Other chronic obstructive pulmonary diseases and allied conditions494–496	74,547	5	6	2	7	30	223	1,433	7,312	22,929	29,333	13,260	7
Ulcer of stomach and duodenum531–533	5,945	5	5	3	13	34	151	304	515	1,185	1,966	1,762	2
Appendicitis540–543	367	6	8	10	11	12	26	30	45	86	80	53	–
Hernia of abdominal cavity and intestinal obstruction without mention of hernia550–553,560	5,919	69	26	23	17	43	78	143	302	893	1,963	2,362	–
Chronic liver disease and cirrhosis571	25,209	19	11	8	39	721	3,756	4,703	5,613	6,094	3,491	741	13
Cholelithiasis and other disorders of gallbladder574–575	2,752	5	1	–	5	17	45	75	191	534	949	930	–
Nephritis, nephrotic syndrome, and nephrosis580–589	23,317	183	21	28	48	220	458	760	1,854	4,780	7,807	7,156	2
Acute glomerulonephritis and nephrotic syndrome580–581	292	7	4	5	3	3	10	13	26	50	93	78	–
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified582–583,587	1,588	3	2	2	11	28	50	67	119	335	507	464	–
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause584–586,588–589	21,437	173	15	21	34	189	398	680	1,709	4,395	7,207	6,614	2
Infections of kidney590	1,023	1	1	–	7	9	29	47	69	133	345	382	–
Hyperplasia of prostate600	410	–	–	–	–	1	–	2	13	49	158	187	–
Complications of pregnancy, childbirth, and the puerperium630–676	302	...	...	1	83	136	82	–	...	...	...	...	–
Pregnancy with abortive outcome630–638	47	...	...	–	19	22	6	–	...	...	...	...	–
Other complications of pregnancy, childbirth, and the puerperium640–676	255	...	...	1	64	114	76	–	...	...	...	...	–
Congenital anomalies740–759	12,444	7,129	804	485	472	476	469	458	482	588	684	396	1
Certain conditions originating in the perinatal period760–779	15,097	14,946	100	20	6	8	5	1	–	3	4	–	4
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome . . .767–769	2,618	2,580	21	7	1	2	3	1	–	2	1	–	–
Other conditions originating in the perinatal period760–766,770–779	12,479	12,366	79	13	5	6	2	–	–	1	3	–	4
Symptoms, signs, and ill-defined conditions780–799	26,540	5,659	297	194	616	1,490	2,170	1,759	1,916	2,975	4,040	5,354	70
All other diseasesResidual	195,584	1,496	929	1,063	1,716	3,758	7,928	9,867	15,385	33,559	59,322	60,539	22

See footnotes at end of table.

Table 18. Deaths from 72 selected causes by age: United States, 1993—Con.

[For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

<i>Cause of death (Ninth Revision, International Classification of Diseases, 1975)</i>	<i>All ages</i>	<i>Under 1 year</i>	<i>1-4 years</i>	<i>5-14 years</i>	<i>15-24 years</i>	<i>25-34 years</i>	<i>35-44 years</i>	<i>45-54 years</i>	<i>55-64 years</i>	<i>65-74 years</i>	<i>75-84 years</i>	<i>85 years and over</i>	<i>Not stated</i>
Accidents and adverse effectsE800-E949	90,523	898	2,590	3,466	13,966	14,022	13,255	8,029	6,405	8,125	10,665	8,994	108
Motor vehicle accidentsE810-E825	41,893	190	891	1,963	10,500	8,212	6,071	3,803	2,908	3,116	3,190	1,015	34
All other accidents and adverse effectsE800-E807,E826-E949	48,630	708	1,699	1,503	3,466	5,810	7,184	4,226	3,497	5,009	7,475	7,979	74
SuicideE950-E959	31,102	...	...	321	4,849	6,307	6,170	4,168	3,061	3,040	2,390	778	18
Homicide and legal interventionE960-E978	26,009	344	464	656	8,424	7,278	4,537	2,052	977	691	379	139	68
All other external causesE980-E999	3,427	61	39	59	420	884	1,017	431	202	144	93	51	26

NOTE: Data for Human immunodeficiency virus infection, categories *042-*044 are shown in a separate table.

Table 19. Death rates for 72 selected causes by age: United States, 1993

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

<i>Cause of death (Ninth Revision, International Classification of Diseases, 1975)</i>	<i>All ages</i> ¹	<i>Under 1 year</i> ²	<i>1-4 years</i>	<i>5-14 years</i>	<i>15-24 years</i>	<i>25-34 years</i>	<i>35-44 years</i>	<i>45-54 years</i>	<i>55-64 years</i>	<i>65-74 years</i>	<i>75-84 years</i>	<i>85 years and over</i>
All causes	880.0	854.4	44.8	23.4	98.5	142.4	235.5	460.0	1,154.7	2,617.1	5,951.6	15,481.7
Shigellosis and amebiasis004,006	*	*	*	*	*	*	*	*	*	*	*	*
Certain other intestinal infections.007-009	0.2	3.4	*	*	*	*	*	*	0.2	0.5	1.5	4.6
Tuberculosis010-018	0.6	*	*	*	*	0.2	0.4	0.7	1.0	1.9	3.9	5.8
Tuberculosis of respiratory system010-012	0.5	*	*	*	*	0.1	0.3	0.5	0.8	1.6	3.0	5.0
Other tuberculosis013-018	0.1	*	*	*	*	0.1	0.1	0.1	0.2	0.3	0.9	0.7
Whooping cough.033	*	*	*	*	*	*	*	*	*	*	*	*
Streptococcal sore throat, scarlatina, and erysipelas034-035	*	*	*	*	*	*	*	*	*	*	*	*
Meningococcal infection.036	0.1	1.2	0.2	0.1	0.2	*	0.1	*	*	*	*	*
Septicemia038	8.0	5.9	0.6	0.2	0.2	0.7	1.5	2.9	7.7	21.4	60.5	186.3
Acute poliomyelitis.045	*	*	*	*	*	*	*	*	*	*	*	*
Measles.055	*	*	*	*	*	*	*	*	*	*	*	*
Viral hepatitis.070	1.0	*	*	*	0.1	0.3	1.0	1.4	2.1	3.0	3.9	2.3
Syphilis090-097	0.0	*	*	*	*	*	*	*	*	*	*	*
All other infectious and parasitic diseases001-003,005,020-032,037,039-041, *042-*044,046-054,056-066,071-088,098-139	17.2	8.5	2.1	0.7	2.2	28.4	41.2	25.3	13.0	10.2	12.6	22.4
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140-208	205.6	2.2	3.3	2.9	4.8	12.1	41.1	147.9	433.4	876.1	1,366.9	1,807.7
Malignant neoplasms of lip, oral cavity, and pharynx140-149	3.2	*	*	*	0.1	0.1	0.8	3.8	9.0	13.1	15.8	20.8
Malignant neoplasms of digestive organs and peritoneum150-159	48.3	*	0.1	0.1	0.3	1.5	7.3	29.4	93.6	199.4	346.5	537.3
Malignant neoplasms of respiratory and intrathoracic organs.160-165	59.8	*	*	*	0.1	0.7	6.6	42.9	158.9	306.1	363.3	280.8
Malignant neoplasm of breast174-175	17.0	*	*	*	*	1.3	7.7	21.6	38.3	59.5	91.3	150.3
Malignant neoplasms of genital organs179-187	23.4	*	*	*	0.3	1.3	3.7	10.5	31.9	89.5	196.5	316.2
Malignant neoplasms of urinary organs188-189	8.4	*	*	0.1	*	0.2	1.1	5.1	15.0	34.4	63.0	99.3
Malignant neoplasms of all other and unspecified sites.170-173,190-199	25.3	1.1	2.0	1.4	1.9	3.5	8.3	21.9	53.2	97.4	150.1	212.2
Leukemia.204-208	7.6	0.8	1.0	1.1	1.3	1.5	2.2	4.5	11.6	26.9	50.7	81.4
Other malignant neoplasms of lymphatic and hematopoietic tissues.200-203	12.5	*	0.1	0.2	0.7	1.9	3.4	8.1	22.1	49.8	89.6	109.4
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature210-239	2.9	1.6	0.5	0.2	0.3	0.5	0.8	1.7	3.7	8.5	20.6	44.9
Diabetes mellitus250	20.9	*	*	0.1	0.3	1.4	4.2	12.0	35.7	80.4	152.3	269.4
Nutritional deficiencies260-269	1.3	0.6	*	*	*	*	0.1	0.2	0.5	2.0	9.4	53.3
Anemias.280-285	1.7	1.1	0.3	0.1	0.3	0.4	0.5	0.6	1.1	3.0	11.2	43.8
Meningitis320-322	0.3	2.7	0.2	0.1	0.1	0.1	0.2	0.3	0.4	0.7	1.2	1.5
Major cardiovascular diseases390-448	367.8	22.8	2.2	1.1	3.5	11.0	40.3	137.1	409.9	1,045.6	2,827.3	8,818.5
Diseases of heart390-398 402,404-429	288.4	16.9	1.9	0.8	2.7	8.5	32.2	114.0	344.3	848.2	2,182.9	6,668.9
Rheumatic fever and rheumatic heart disease390-398	2.2	*	*	*	0.1	0.2	0.5	1.3	3.3	8.1	16.8	29.4
Hypertensive heart disease402	8.9	*	*	*	*	0.4	1.8	5.9	13.2	25.5	61.1	186.6
Hypertensive heart and renal disease404	1.0	*	*	*	*	0.1	0.1	0.3	0.9	2.5	7.9	23.2
Ischemic heart disease410-414	190.1	0.7	*	*	0.3	2.7	16.6	70.5	225.8	578.0	1,484.3	4,325.8
Acute myocardial infarction410	88.2	*	*	*	0.2	1.4	9.3	40.8	127.4	299.1	694.9	1,593.5
Other acute and subacute forms of ischemic heart disease411	1.2	*	*	*	*	0.1	0.3	0.9	2.0	3.6	7.4	19.5
Angina pectoris413	0.4	*	*	*	*	*	*	0.1	0.3	0.9	2.9	11.2
Old myocardial infarction and other forms of chronic ischemic heart disease412,414	100.3	*	*	*	0.1	1.2	7.0	28.7	96.0	274.4	779.1	2,701.6
Other diseases of endocardium.424	5.9	*	*	*	0.1	0.3	0.7	1.3	4.1	12.6	49.8	169.8
All other forms of heart disease.415-423,425-429	80.3	15.7	1.7	0.7	2.2	4.8	12.4	34.7	97.1	221.5	563.1	1,934.1
Hypertension with or without renal disease401,403	4.4	*	*	*	*	0.2	0.6	1.7	5.0	12.2	33.3	103.6
Cerebrovascular diseases430-438	58.2	5.5	0.3	0.2	0.6	1.9	6.2	17.6	46.0	135.8	479.1	1,607.7

See footnotes at end of table.

Table 19. Death rates for 72 selected causes by age: United States, 1993—Con.

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

<i>Cause of death (Ninth Revision, International Classification of Diseases, 1975)</i>	<i>All ages</i> ¹	<i>Under 1 year</i> ²	<i>1–4 years</i>	<i>5–14 years</i>	<i>15–24 years</i>	<i>25–34 years</i>	<i>35–44 years</i>	<i>45–54 years</i>	<i>55–64 years</i>	<i>65–74 years</i>	<i>75–84 years</i>	<i>85 years and over</i>
Intracerebral and other intracranial hemorrhage431–432	8.3	1.5	*	0.1	0.2	0.6	2.4	6.6	13.2	27.6	62.4	103.9
Cerebral thrombosis and unspecified occlusion of cerebral arteries434.0,434.9	5.9	0.6	*	*	0.1	0.1	0.3	1.2	3.9	13.4	48.9	178.9
Cerebral embolism434.1	0.2	*	*	*	*	*	*	*	0.2	0.6	2.2	5.9
All other and late effects of cerebrovascular diseases430,433,435–438	43.7	3.3	0.2	0.1	0.3	1.2	3.4	9.9	28.7	94.1	365.6	1,318.8
Atherosclerosis440	6.7	*	*	*	*	*	0.1	0.6	2.7	10.8	47.2	275.4
Other diseases of arteries, arterioles, and capillaries441–448	10.1	*	*	0.1	0.2	0.5	1.2	3.1	11.8	38.7	84.8	162.9
Acute bronchitis and bronchiolitis466	0.3	1.9	*	*	*	*	*	0.1	0.2	0.5	1.5	6.1
Pneumonia and influenza480–487	32.1	13.5	1.2	0.4	0.7	1.7	3.8	6.6	17.7	58.1	241.2	1,089.0
Pneumonia480–486	31.7	13.3	1.1	0.3	0.7	1.7	3.8	6.5	17.5	57.5	238.8	1,073.4
Influenza487	0.4	*	*	*	*	*	*	0.1	0.2	0.6	2.4	15.6
Chronic obstructive pulmonary diseases and allied conditions490–496	39.2	1.4	0.3	0.4	0.6	0.7	1.8	8.7	51.0	167.8	357.3	493.9
Bronchitis, chronic and unspecified490–491	1.5	1.0	*	*	*	*	0.1	0.4	1.7	5.2	11.9	26.9
Emphysema492	6.8	*	*	*	*	*	0.1	1.5	10.8	33.1	61.3	60.2
Asthma493	2.0	*	0.2	0.3	0.5	0.6	1.0	1.8	3.5	6.4	10.4	18.3
Other chronic obstructive pulmonary diseases and allied conditions494–496	28.9	*	*	*	*	0.1	0.5	5.0	34.9	123.0	273.6	388.5
Ulcer of stomach and duodenum531–533	2.3	*	*	*	*	0.1	0.4	1.1	2.5	6.4	18.3	51.6
Appendicitis540–543	0.1	*	*	*	*	*	0.1	0.1	0.2	0.5	0.7	1.6
Hernia of abdominal cavity and intestinal obstruction without mention of hernia550–553,560	2.3	1.8	0.2	0.1	*	0.1	0.2	0.5	1.4	4.8	18.3	69.2
Chronic liver disease and cirrhosis571	9.8	*	*	*	0.1	1.7	9.2	16.4	26.8	32.7	32.6	21.7
Cholelithiasis and other disorders of gallbladder574–575	1.1	*	*	*	*	*	0.1	0.3	0.9	2.9	8.9	27.2
Nephritis, nephrotic syndrome, and nephrosis580–589	9.0	4.7	0.1	0.1	0.1	0.5	1.1	2.7	8.9	25.6	72.8	209.6
Acute glomerulonephritis and nephrotic syndrome580–581	0.1	*	*	*	*	*	*	*	0.1	0.3	0.9	2.3
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified582–583,587	0.6	*	*	*	*	0.1	0.1	0.2	0.6	1.8	4.7	13.6
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause584–586,588–589	8.3	4.4	*	0.1	0.1	0.5	1.0	2.4	8.2	23.6	67.2	193.8
Infections of kidney590	0.4	*	*	*	*	*	0.1	0.2	0.3	0.7	3.2	11.2
Hyperplasia of prostate600	0.2	*	*	*	*	*	*	*	*	0.3	1.5	5.5
Complications of pregnancy, childbirth, and the puerperium630–676	0.1	...	...	*	0.2	0.3	0.2	*	...	...	...	...
Pregnancy with abortive outcome630–638	0.0	...	...	*	*	0.1	*	*	...	...	...	...
Other complications of pregnancy, childbirth, and the puerperium640–676	0.1	...	...	*	0.2	0.3	0.2	*	...	...	...	...
Congenital anomalies740–759	4.8	182.0	5.1	1.3	1.3	1.1	1.1	1.6	2.3	3.2	6.4	11.6
Certain conditions originating in the perinatal period760–779	5.9	381.6	0.6	0.1	*	*	*	*	*	*	*	*
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome . . .767–769	1.0	65.9	0.1	*	*	*	*	*	*	*	*	*
Other conditions originating in the perinatal period760–766,770–779	4.8	315.7	0.5	*	*	*	*	*	*	*	*	*
Symptoms, signs, and ill-defined conditions780–799	10.3	144.5	1.9	0.5	1.7	3.6	5.3	6.1	9.2	16.0	37.7	156.9
All other diseasesResidual	75.9	38.2	5.9	2.9	4.8	9.0	19.4	34.4	73.5	180.0	553.4	1,773.6

See footnotes at end of table.

Table 19. Death rates for 72 selected causes by age: United States, 1993—Con.

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

<i>Cause of death (Ninth Revision, International Classification of Diseases, 1975)</i>	<i>All ages¹</i>	<i>Under 1 year²</i>	<i>1–4 years</i>	<i>5–14 years</i>	<i>15–24 years</i>	<i>25–34 years</i>	<i>35–44 years</i>	<i>45–54 years</i>	<i>55–64 years</i>	<i>65–74 years</i>	<i>75–84 years</i>	<i>85 years and over</i>
Accidents and adverse effectsE800–E949	35.1	22.9	16.4	9.4	38.8	33.5	32.5	28.0	30.6	43.6	99.5	263.5
Motor vehicle accidentsE810–E825	16.3	4.9	5.6	5.3	29.1	19.6	14.9	13.3	13.9	16.7	29.8	29.7
All other accidents and adverse effectsE800–E807,E826–E949	18.9	18.1	10.8	4.1	9.6	13.9	17.6	14.7	16.7	26.9	69.7	233.8
SuicideE950–E959	12.1	...	...	0.9	13.5	15.1	15.1	14.5	14.6	16.3	22.3	22.8
Homicide and legal interventionE960–E978	10.1	8.8	2.9	1.8	23.4	17.4	11.1	7.2	4.7	3.7	3.5	4.1
All other external causesE980–E999	1.3	1.6	0.2	0.2	1.2	2.1	2.5	1.5	1.0	0.8	0.9	1.5

¹Figures for age not stated included in "All ages" but not distributed among age groups.

²Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see tables 25–29 for infant mortality rates, and "Technical notes" for further discussion of the difference.

NOTE: Data for Human immunodeficiency virus infection, categories *042–*044 are shown in a separate table.

Table 20. Deaths from 72 selected causes by race and sex: United States, 1993

[For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	All other											
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All causes	2,268,553	1,161,797	1,106,756	1,951,437	988,329	963,108	317,116	173,468	143,648	282,151	153,502	128,649
Shigellosis and amebiasis004,006	11	5	6	9	4	5	2	1	1	1	—	1
Certain other intestinal infections.007-009	631	292	339	510	221	289	121	71	50	110	64	46
Tuberculosis010-018	1,631	1,018	613	969	591	378	662	427	235	549	361	188
Tuberculosis of respiratory system010-012	1,276	837	439	769	490	279	507	347	160	416	294	122
Other tuberculosis013-018	355	181	174	200	101	99	155	80	75	133	67	66
Whooping cough.033	7	3	4	5	2	3	2	1	1	1	—	1
Streptococcal sore throat, scarlatina, and erysipelas034-035	13	4	9	13	4	9	—	—	—	—	—	—
Meningococcal infection.036	260	124	136	201	89	112	59	35	24	49	28	21
Septicemia038	20,634	8,916	11,718	16,696	7,087	9,609	3,938	1,829	2,109	3,632	1,673	1,959
Acute poliomyelitis.045	—	—	—	—	—	—	—	—	—	—	—	—
Measles.055	—	—	—	—	—	—	—	—	—	—	—	—
Viral hepatitis.070	2,489	1,554	935	2,029	1,270	759	460	284	176	294	185	109
Syphilis090-097	80	52	28	32	22	10	48	30	18	47	30	17
All other infectious and parasitic diseases001-003,005,020-032,037,039-041, *042-044, 046-054,056-066,071-088,098-139	44,387	35,985	8,402	29,016	24,428	4,588	15,371	11,557	3,814	14,821	11,124	3,697
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.140-208	529,904	279,375	250,529	461,904	241,908	219,996	68,000	37,467	30,533	59,873	33,071	26,802
Malignant neoplasms of lip, oral cavity, and pharynx140-149	8,241	5,515	2,726	6,746	4,396	2,350	1,495	1,119	376	1,286	968	318
Malignant neoplasms of digestive organs and peritoneum150-159	124,466	65,489	58,977	106,381	55,802	50,579	18,085	9,687	8,398	15,378	8,149	7,229
Malignant neoplasms of respiratory and intrathoracic organs.160-165	154,183	96,569	57,614	135,748	83,922	51,826	18,435	12,647	5,788	16,507	11,399	5,108
Malignant neoplasm of breast174-175	43,910	355	43,555	38,341	297	38,044	5,569	58	5,511	5,052	54	4,998
Malignant neoplasms of genital organs179-187	60,393	35,459	24,934	50,797	29,378	21,419	9,596	6,081	3,515	8,819	5,712	3,107
Malignant neoplasms of urinary organs188-189	21,769	14,073	7,696	19,722	12,886	6,836	2,047	1,187	860	1,807	1,040	767
Malignant neoplasms of all other and unspecified sites.170-173,190-199	65,315	34,769	30,546	58,098	31,011	27,087	7,217	3,758	3,459	6,233	3,255	2,978
Leukemia.204-208	19,530	10,750	8,780	17,504	9,658	7,846	2,026	1,092	934	1,681	906	775
Other malignant neoplasms of lymphatic and hematopoietic tissues.200-203	32,097	16,396	15,701	28,567	14,558	14,009	3,530	1,838	1,692	3,110	1,588	1,522
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature.210-239	7,441	3,424	4,017	6,539	2,997	3,542	902	427	475	798	374	424
Diabetes mellitus250	53,894	23,430	30,464	43,461	19,311	24,150	10,433	4,119	6,314	9,380	3,648	5,732
Nutritional deficiencies260-269	3,451	1,257	2,194	2,986	1,046	1,940	465	211	254	424	193	231
Anemias280-285	4,315	1,789	2,526	3,308	1,336	1,972	1,007	453	554	947	424	523
Meningitis320-322	788	420	368	547	286	261	241	134	107	216	119	97
Major cardiovascular diseases390-448	948,088	452,412	495,676	833,034	396,844	436,190	115,054	55,568	59,486	102,729	48,656	54,073
Diseases of heart390-398,402,404-429	743,460	367,479	375,981	655,365	323,802	331,563	88,095	43,677	44,418	79,011	38,357	40,654
Rheumatic fever and rheumatic heart disease.390-398	5,743	1,790	3,953	5,231	1,621	3,610	512	169	343	410	133	277
Hypertensive heart disease402	23,037	9,771	13,266	16,620	6,742	9,878	6,417	3,029	3,388	6,057	2,843	3,214
Hypertensive heart and renal disease404	2,464	1,023	1,441	1,745	727	1,018	719	296	423	683	276	407
Ischemic heart disease410-414	490,063	250,362	239,701	442,336	226,807	215,529	47,727	23,555	24,172	42,052	20,130	21,922

See footnotes at end of table.

Table 20. Deaths from 72 selected causes by race and sex: United States, 1993—Con.

[For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	All other												
	All races			White			Total			Black			
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	
Acute myocardial infarction	410	227,456	121,732	105,724	204,386	110,131	94,255	23,070	11,601	11,469	20,399	9,933	10,466
Other acute and subacute forms of ischemic heart disease	411	2,968	1,662	1,306	2,541	1,417	1,124	427	245	182	386	216	170
Angina pectoris	413	984	393	591	894	362	532	90	31	59	80	30	50
Old myocardial infarction and other forms of chronic ischemic heart disease	412,414	258,655	126,575	132,080	234,515	114,897	119,618	24,140	11,678	12,462	21,187	9,951	11,236
Other diseases of endocardium	424	15,200	6,203	8,997	14,007	5,708	8,299	1,193	495	698	1,004	397	607
All other forms of heart disease	415–423,425–429	206,953	98,330	108,623	175,426	82,197	93,229	31,527	16,133	15,394	28,805	14,578	14,227
Hypertension with or without renal disease	401,403	11,243	4,512	6,731	8,438	3,370	5,068	2,805	1,142	1,663	2,622	1,067	1,555
Cerebrovascular diseases	430–438	150,108	59,048	91,060	129,992	50,220	79,772	20,116	8,828	11,288	17,557	7,599	9,958
Intracerebral and other intracranial hemorrhage	431–432	21,449	9,947	11,502	17,542	7,891	9,651	3,907	2,056	1,851	3,235	1,694	1,541
Cerebral thrombosis and unspecified occlusion of cerebral arteries	434.0,434.9	15,236	5,980	9,256	13,353	5,173	8,180	1,883	807	1,076	1,665	699	966
Cerebral embolism	434.1	643	258	385	595	244	351	48	14	34	39	12	27
All other and late effects of cerebrovascular diseases	430,433,435–438	112,780	42,863	69,917	98,502	36,912	61,590	14,278	5,951	8,327	12,618	5,194	7,424
Atherosclerosis	440	17,272	6,410	10,862	15,905	5,853	10,052	1,367	557	810	1,238	490	748
Other diseases of arteries, arterioles, and capillaries	441–448	26,005	14,963	11,042	23,334	13,599	9,735	2,671	1,364	1,307	2,301	1,143	1,158
Acute bronchitis and bronchiolitis	466	662	286	376	583	242	341	79	44	35	69	39	30
Pneumonia and influenza	480–487	82,820	37,996	44,824	73,720	33,151	40,569	9,100	4,845	4,255	7,724	4,051	3,673
Pneumonia	480–486	81,776	37,607	44,169	72,728	32,785	39,943	9,048	4,822	4,226	7,677	4,028	3,649
Influenza	487	1,044	389	655	992	366	626	52	23	29	47	23	24
Chronic obstructive pulmonary diseases and allied conditions	490–496	101,077	54,371	46,706	93,615	49,812	43,803	7,462	4,559	2,903	6,435	3,913	2,522
Bronchitis, chronic and unspecified	490–491	3,777	1,888	1,889	3,502	1,734	1,768	275	154	121	222	122	100
Emphysema	492	17,586	9,914	7,672	16,534	9,202	7,332	1,052	712	340	888	601	287
Asthma	493	5,167	1,928	3,239	3,910	1,384	2,526	1,257	544	713	1,112	465	647
Other chronic obstructive pulmonary diseases and allied conditions	494–496	74,547	40,641	33,906	69,669	37,492	32,177	4,878	3,149	1,729	4,213	2,725	1,488
Ulcer of stomach and duodenum	531–533	5,945	2,824	3,121	5,264	2,431	2,833	681	393	288	561	317	244
Appendicitis	540–543	367	217	150	283	159	124	84	58	26	71	48	23
Hernia of abdominal cavity and intestinal obstruction without mention of hernia	550–553,560	5,919	2,197	3,722	5,168	1,846	3,322	751	351	400	693	325	368
Chronic liver disease and cirrhosis	571	25,209	16,276	8,933	21,348	13,821	7,527	3,861	2,455	1,406	3,228	2,100	1,128
Cholelithiasis and other disorders of gallbladder	574–575	2,752	1,207	1,545	2,417	1,067	1,350	335	140	195	272	103	169
Nephritis, nephrotic syndrome, and nephrosis	580–589	23,317	11,210	12,107	18,795	9,110	9,685	4,522	2,100	2,422	4,107	1,879	2,228
Acute glomerulonephritis and nephrotic syndrome	580–581	292	124	168	232	98	134	60	26	34	55	23	32
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified	582–583,587	1,588	806	782	1,251	639	612	337	167	170	309	153	156

See footnotes at end of table.

Table 20. Deaths from 72 selected causes by race and sex: United States, 1993—Con.

[For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	All races						All other					
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause584–586,588–589	21,437	10,280	11,157	17,312	8,373	8,939	4,125	1,907	2,218	3,743	1,703	2,040
Infections of kidney590	1,023	276	747	881	226	655	142	50	92	127	44	83
Hyperplasia of prostate600	410	410	...	350	350	...	60	60	...	53	53	...
Complications of pregnancy, childbirth, and the puerperium630–676	302	...	302	152	...	152	150	...	150	135	...	135
Pregnancy with abortive outcome630–638	47	...	47	21	...	21	26	...	26	25	...	25
Other complications of pregnancy, childbirth, and the puerperium640–676	255	...	255	131	...	131	124	...	124	110	...	110
Congenital anomalies740–759	12,444	6,610	5,834	9,934	5,281	4,653	2,510	1,329	1,181	2,104	1,116	988
Certain conditions originating in the perinatal period760–779	15,097	8,472	6,625	8,831	4,956	3,875	6,266	3,516	2,750	5,891	3,309	2,582
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome . . .767–769	2,618	1,523	1,095	1,652	959	693	966	564	402	909	534	375
Other conditions originating in the perinatal period760–766,770–779	12,479	6,949	5,530	7,179	3,997	3,182	5,300	2,952	2,348	4,982	2,775	2,207
Symptoms, signs, and ill-defined conditions780–799	26,540	14,179	12,361	20,529	10,631	9,898	6,011	3,548	2,463	5,499	3,235	2,264
All other diseasesResidual	195,584	87,271	108,313	170,188	74,825	95,363	25,396	12,446	12,950	22,657	11,011	11,646
Accidents and adverse effectsE800–E949	90,523	60,117	30,406	75,218	49,515	25,703	15,305	10,602	4,703	12,707	8,900	3,807
Motor vehicle accidentsE810–E825	41,893	28,531	13,362	35,194	23,874	11,320	6,699	4,657	2,042	5,217	3,752	1,465
All other accidents and adverse effectsE800–E807,E826–E949	48,630	31,586	17,044	40,024	25,641	14,383	8,606	5,945	2,661	7,490	5,148	2,342
SuicideE950–E959	31,102	25,007	6,095	28,035	22,524	5,511	3,067	2,483	584	2,259	1,905	354
Homicide and legal interventionE960–E978	26,009	20,290	5,719	12,286	9,054	3,232	13,723	11,236	2,487	12,937	10,640	2,297
All other external causesE980–E999	3,427	2,521	906	2,581	1,882	699	846	639	207	751	564	187

NOTE: Data for Human immunodeficiency virus infection, categories *042–*044 are shown in a separate table.

Table 21. Death rates for 72 selected causes by race and sex: United States, 1993

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	All other											
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All causes	880.0	923.5	838.6	908.5	938.8	879.4	737.6	845.1	639.3	876.8	1,006.3	760.1
Shigellosis and amebiasis004,006	*	*	*	*	*	*	*	*	*	*	*	*
Certain other intestinal infections.007-009	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.4	0.3
Tuberculosis010-018	0.6	0.8	0.5	0.5	0.6	0.3	1.5	2.1	1.0	1.7	2.4	1.1
Tuberculosis of respiratory system010-012	0.5	0.7	0.3	0.4	0.5	0.3	1.2	1.7	0.7	1.3	1.9	0.7
Other tuberculosis013-018	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.4	0.4	0.4
Whooping cough.033	*	*	*	*	*	*	*	*	*	*	*	*
Streptococcal sore throat, scarlatina, and erysipelas034-035	*	*	*	*	*	*	*	*	*	*	*	*
Meningococcal infection036	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.1
Septicemia038	8.0	7.1	8.9	7.8	6.7	8.8	9.2	8.9	9.4	11.3	11.0	11.6
Acute poliomyelitis.045	*	*	*	*	*	*	*	*	*	*	*	*
Measles055	*	*	*	*	*	*	*	*	*	*	*	*
Viral hepatitis.070	1.0	1.2	0.7	0.9	1.2	0.7	1.1	1.4	0.8	0.9	1.2	0.6
Syphilis090-097	0.0	0.0	0.0	0.0	0.0	*	0.1	0.1	*	0.1	0.2	*
All other infectious and parasitic diseases001-003,005,020-032,037,039-041, *042-*044,046-054,056-066,071-088,098-139	17.2	28.6	6.4	13.5	23.2	4.2	35.8	56.3	17.0	46.1	72.9	21.8
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.140-208	205.6	222.1	189.8	215.1	229.8	200.9	158.2	182.5	135.9	186.1	216.8	158.4
Malignant neoplasms of lip, oral cavity, and pharynx140-149	3.2	4.4	2.1	3.1	4.2	2.1	3.5	5.5	1.7	4.0	6.3	1.9
Malignant neoplasms of digestive organs and peritoneum150-159	48.3	52.1	44.7	49.5	53.0	46.2	42.1	47.2	37.4	47.8	53.4	42.7
Malignant neoplasms of respiratory and intrathoracic organs.160-165	59.8	76.8	43.7	63.2	79.7	47.3	42.9	61.6	25.8	51.3	74.7	30.2
Malignant neoplasm of breast174-175	17.0	0.3	33.0	17.9	0.3	34.7	13.0	0.3	24.5	15.7	0.4	29.5
Malignant neoplasms of genital organs179-187	23.4	28.2	18.9	23.6	27.9	19.6	22.3	29.6	15.6	27.4	37.4	18.4
Malignant neoplasms of urinary organs188-189	8.4	11.2	5.8	9.2	12.2	6.2	4.8	5.8	3.8	5.6	6.8	4.5
Malignant neoplasms of all other and unspecified sites.170-173,190-199	25.3	27.6	23.1	27.0	29.5	24.7	16.8	18.3	15.4	19.4	21.3	17.6
Leukemia.204-208	7.6	8.5	6.7	8.1	9.2	7.2	4.7	5.3	4.2	5.2	5.9	4.6
Other malignant neoplasms of lymphatic and hematopoietic tissues.200-203	12.5	13.0	11.9	13.3	13.8	12.8	8.2	9.0	7.5	9.7	10.4	9.0
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature.210-239	2.9	2.7	3.0	3.0	2.8	3.2	2.1	2.1	2.1	2.5	2.5	2.5
Diabetes mellitus250	20.9	18.6	23.1	20.2	18.3	22.1	24.3	20.1	28.1	29.1	23.9	33.9
Nutritional deficiencies260-269	1.3	1.0	1.7	1.4	1.0	1.8	1.1	1.0	1.1	1.3	1.3	1.4
Anemias280-285	1.7	1.4	1.9	1.5	1.3	1.8	2.3	2.2	2.5	2.9	2.8	3.1
Meningitis320-322	0.3	0.3	0.3	0.3	0.3	0.2	0.6	0.7	0.5	0.7	0.8	0.6
Major cardiovascular diseases390-448	367.8	359.6	375.6	387.8	377.0	398.3	267.6	270.7	264.8	319.2	319.0	319.5
Diseases of heart390-398,402,404-429	288.4	292.1	284.9	305.1	307.6	302.8	204.9	212.8	197.7	245.5	251.4	240.2
Rheumatic fever and rheumatic heart disease.390-398	2.2	1.4	3.0	2.4	1.5	3.3	1.2	0.8	1.5	1.3	0.9	1.6
Hypertensive heart disease402	8.9	7.8	10.1	7.7	6.4	9.0	14.9	14.8	15.1	18.8	18.6	19.0

See footnotes at end of table.

Table 21. Death rates for 72 selected causes by race and sex: United States, 1993—Con.

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	All other											
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Hypertensive heart and renal disease404	1.0	0.8	1.1	0.8	0.7	0.9	1.7	1.4	1.9	2.1	1.8	2.4
Ischemic heart disease410-414	190.1	199.0	181.6	205.9	215.4	196.8	111.0	114.8	107.6	130.7	132.0	129.5
Acute myocardial infarction410	88.2	96.8	80.1	95.2	104.6	86.1	53.7	56.5	51.0	63.4	65.1	61.8
Other acute and subacute forms of ischemic heart disease411	1.2	1.3	1.0	1.2	1.3	1.0	1.0	1.2	0.8	1.2	1.4	1.0
Angina pectoris413	0.4	0.3	0.4	0.4	0.3	0.5	0.2	0.2	0.3	0.2	0.2	0.3
Old myocardial infarction and other forms of chronic ischemic heart disease412,414	100.3	100.6	100.1	109.2	109.1	109.2	56.1	56.9	55.5	65.8	65.2	66.4
Other diseases of endocardium424	5.9	4.9	6.8	6.5	5.4	7.6	2.8	2.4	3.1	3.1	2.6	3.6
All other forms of heart disease415-423,425-429	80.3	78.2	82.3	81.7	78.1	85.1	73.3	78.6	68.5	89.5	95.6	84.1
Hypertension with or without renal disease401,403	4.4	3.6	5.1	3.9	3.2	4.6	6.5	5.6	7.4	8.1	7.0	9.2
Cerebrovascular diseases430-438	58.2	46.9	69.0	60.5	47.7	72.8	46.8	43.0	50.2	54.6	49.8	58.8
Intracerebral and other intracranial hemorrhage431-432	8.3	7.9	8.7	8.2	7.5	8.8	9.1	10.0	8.2	10.1	11.1	9.1
Cerebral thrombosis and unspecified occlusion of cerebral arteries434.0,434.9	5.9	4.8	7.0	6.2	4.9	7.5	4.4	3.9	4.8	5.2	4.6	5.7
Cerebral embolism434.1	0.2	0.2	0.3	0.3	0.2	0.3	0.1	*	0.2	0.1	*	0.2
All other and late effects of cerebrovascular diseases430,433,435-438	43.7	34.1	53.0	45.9	35.1	56.2	33.2	29.0	37.1	39.2	34.0	43.9
Atherosclerosis440	6.7	5.1	8.2	7.4	5.6	9.2	3.2	2.7	3.6	3.8	3.2	4.4
Other diseases of arteries, arterioles, and capillaries441-448	10.1	11.9	8.4	10.9	12.9	8.9	6.2	6.6	5.8	7.2	7.5	6.8
Acute bronchitis and bronchiolitis466	0.3	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.2
Pneumonia and influenza480-487	32.1	30.2	34.0	34.3	31.5	37.0	21.2	23.6	18.9	24.0	26.6	21.7
Pneumonia480-486	31.7	29.9	33.5	33.9	31.1	36.5	21.0	23.5	18.8	23.9	26.4	21.6
Influenza487	0.4	0.3	0.5	0.5	0.3	0.6	0.1	0.1	0.1	0.1	0.2	0.1
Chronic obstructive pulmonary diseases and allied conditions490-496	39.2	43.2	35.4	43.6	47.3	40.0	17.4	22.2	12.9	20.0	25.7	14.9
Bronchitis, chronic and unspecified490-491	1.5	1.5	1.4	1.6	1.6	1.6	0.6	0.8	0.5	0.7	0.8	0.6
Emphysema492	6.8	7.9	5.8	7.7	8.7	6.7	2.4	3.5	1.5	2.8	3.9	1.7
Asthma493	2.0	1.5	2.5	1.8	1.3	2.3	2.9	2.7	3.2	3.5	3.0	3.8
Other chronic obstructive pulmonary diseases and allied conditions494-496	28.9	32.3	25.7	32.4	35.6	29.4	11.3	15.3	7.7	13.1	17.9	8.8
Ulcer of stomach and duodenum531-533	2.3	2.2	2.4	2.5	2.3	2.6	1.6	1.9	1.3	1.7	2.1	1.4
Appendicitis540-543	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.3	0.1	0.2	0.3	0.1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia550-553,560	2.3	1.7	2.8	2.4	1.8	3.0	1.7	1.7	1.8	2.2	2.1	2.2
Chronic liver disease and cirrhosis571	9.8	12.9	6.8	9.9	13.1	6.9	9.0	12.0	6.3	10.0	13.8	6.7
Cholelithiasis and other disorders of gallbladder574-575	1.1	1.0	1.2	1.1	1.0	1.2	0.8	0.7	0.9	0.8	0.7	1.0
Nephritis, nephrotic syndrome, and nephrosis580-589	9.0	8.9	9.2	8.8	8.7	8.8	10.5	10.2	10.8	12.8	12.3	13.2
Acute glomerulonephritis and nephrotic syndrome580-581	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified582-583,587	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1.0	1.0	0.9

See footnotes at end of table.

Table 21. Death rates for 72 selected causes by race and sex: United States, 1993—Con.

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause584–586,588–589	8.3	8.2	8.5	8.1	8.0	8.2	9.6	9.3	9.9	11.6	11.2	12.1
Infections of kidney590	0.4	0.2	0.6	0.4	0.2	0.6	0.3	0.2	0.4	0.4	0.3	0.5
Hyperplasia of prostate600	0.2	0.3	...	0.2	0.3	...	0.1	0.3	...	0.2	0.3	...
Complications of pregnancy, childbirth, and the puerperium630–676	0.1	...	0.2	0.1	...	0.1	0.3	...	0.7	0.4	...	0.8
Pregnancy with abortive outcome630–638	0.0	...	0.0	0.0	...	0.0	0.1	...	0.1	0.1	...	0.1
Other complications of pregnancy, childbirth, and the puerperium640–676	0.1	...	0.2	0.1	...	0.1	0.3	...	0.6	0.3	...	0.6
Congenital anomalies740–759	4.8	5.3	4.4	4.6	5.0	4.2	5.8	6.5	5.3	6.5	7.3	5.8
Certain conditions originating in the perinatal period760–779	5.9	6.7	5.0	4.1	4.7	3.5	14.6	17.1	12.2	18.3	21.7	15.3
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome . . .767–769	1.0	1.2	0.8	0.8	0.9	0.6	2.2	2.7	1.8	2.8	3.5	2.2
Other conditions originating in the perinatal period760–766,770–779	4.8	5.5	4.2	3.3	3.8	2.9	12.3	14.4	10.5	15.5	18.2	13.0
Symptoms, signs, and ill-defined conditions780–799	10.3	11.3	9.4	9.6	10.1	9.0	14.0	17.3	11.0	17.1	21.2	13.4
All other diseasesResidual	75.9	69.4	82.1	79.2	71.1	87.1	59.1	60.6	57.6	70.4	72.2	68.8
Accidents and adverse effectsE800–E949	35.1	47.8	23.0	35.0	47.0	23.5	35.6	51.7	20.9	39.5	58.3	22.5
Motor vehicle accidentsE810–E825	16.3	22.7	10.1	16.4	22.7	10.3	15.6	22.7	9.1	16.2	24.6	8.7
All other accidents and adverse effectsE800–E807,E826–E949	18.9	25.1	12.9	18.6	24.4	13.1	20.0	29.0	11.8	23.3	33.7	13.8
SuicideE950–E959	12.1	19.9	4.6	13.1	21.4	5.0	7.1	12.1	2.6	7.0	12.5	2.1
Homicide and legal interventionE960–E978	10.1	16.1	4.3	5.7	8.6	3.0	31.9	54.7	11.1	40.2	69.7	13.6
All other external causesE980–E999	1.3	2.0	0.7	1.2	1.8	0.6	2.0	3.1	0.9	2.3	3.7	1.1

NOTE: Data for Human immunodeficiency virus infection, categories *042–*044 are shown in a separate table.

Table 22. Age-adjusted death rates for 72 selected causes by race and sex: United States, 1993

[Age-adjusted rates per 100,000 U.S. standard million population; see "Technical notes." For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	All other											
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All causes	513.3	664.9	388.3	485.1	627.5	367.7	674.0	891.7	503.3	785.2	1,052.2	578.8
Shigellosis and amebiasis004,006	*	*	*	*	*	*	*	*	*	*	*	*
Certain other intestinal infections.007-009	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.3	0.3	0.2
Tuberculosis010-018	0.4	0.6	0.3	0.3	0.4	0.2	1.5	2.3	0.9	1.6	2.6	0.9
Tuberculosis of respiratory system010-012	0.3	0.5	0.2	0.2	0.3	0.1	1.1	1.8	0.6	1.2	2.1	0.6
Other tuberculosis013-018	0.1	0.1	0.1	0.0	0.1	0.0	0.3	0.4	0.3	0.4	0.5	0.3
Whooping cough.033	*	*	*	*	*	*	*	*	*	*	*	*
Streptococcal sore throat, scarlatina, and erysipelas034-035	*	*	*	*	*	*	*	*	*	*	*	*
Meningococcal infection036	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1
Septicemia038	4.1	4.6	3.6	3.6	4.0	3.2	7.7	9.1	6.7	9.1	11.0	7.8
Acute poliomyelitis.045	*	*	*	*	*	*	*	*	*	*	*	*
Measles055	*	*	*	*	*	*	*	*	*	*	*	*
Viral hepatitis.070	0.8	1.1	0.5	0.7	1.0	0.4	1.1	1.6	0.8	0.9	1.4	0.6
Syphilis090-097	0.0	0.0	0.0	0.0	0.0	*	0.1	0.2	*	0.1	0.2	*
All other infectious and parasitic diseases001-003,005,020-032,037,039-041, *042-*044,046-054,056-066,071-088,098-139	15.9	26.7	5.5	12.2	21.3	3.3	35.2	57.2	16.2	46.2	75.5	21.1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.140-208	132.6	161.9	111.4	129.4	156.4	110.1	154.3	204.3	119.5	177.2	238.9	135.3
Malignant neoplasms of lip, oral cavity, and pharynx140-149	2.3	3.6	1.2	2.1	3.1	1.1	3.7	6.5	1.6	4.3	7.6	1.8
Malignant neoplasms of digestive organs and peritoneum150-159	29.5	37.9	22.7	27.9	35.9	21.6	40.4	53.4	30.7	44.6	59.6	33.6
Malignant neoplasms of respiratory and intrathoracic organs.160-165	40.8	58.1	27.2	40.2	56.3	27.6	44.0	71.7	23.8	51.8	86.0	27.3
Malignant neoplasm of breast174-175	11.8	0.2	21.5	11.5	0.2	21.2	13.1	0.3	22.9	15.6	0.4	27.1
Malignant neoplasms of genital organs179-187	13.2	16.8	11.7	12.4	15.3	11.4	19.7	29.7	14.0	23.1	36.2	15.8
Malignant neoplasms of urinary organs188-189	5.0	7.9	3.0	5.1	8.0	2.9	4.5	6.3	3.1	5.1	7.4	3.6
Malignant neoplasms of all other and unspecified sites.170-173,190-199	17.2	21.4	13.8	17.3	21.5	13.8	16.5	20.8	13.4	18.7	24.0	14.8
Leukemia.204-208	4.9	6.3	3.8	5.0	6.4	3.8	4.5	5.7	3.6	4.9	6.3	3.8
Other malignant neoplasms of lymphatic and hematopoietic tissues.200-203	7.9	9.7	6.5	7.9	9.7	6.5	7.9	9.9	6.5	9.1	11.4	7.5
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature.210-239	1.7	2.0	1.5	1.7	1.9	1.5	1.9	2.2	1.7	2.2	2.6	1.9
Diabetes mellitus250	12.4	13.4	11.7	11.0	12.2	10.0	22.9	22.4	23.1	26.8	26.3	26.9
Nutritional deficiencies260-269	0.5	0.5	0.5	0.5	0.5	0.4	0.8	1.0	0.6	0.9	1.2	0.7
Anemias280-285	0.9	0.9	0.8	0.6	0.7	0.6	2.1	2.2	2.0	2.6	2.8	2.4
Meningitis320-322	0.3	0.3	0.2	0.2	0.2	0.2	0.5	0.6	0.4	0.6	0.8	0.5
Major cardiovascular diseases390-448	181.8	237.5	137.2	173.9	229.7	129.0	233.0	290.9	189.3	269.6	338.1	218.8
Diseases of heart390-398,402,404-429	145.3	195.5	105.0	139.9	190.3	99.2	179.6	229.7	141.8	208.9	267.9	165.3
Rheumatic fever and rheumatic heart disease.390-398	1.3	1.0	1.6	1.3	1.0	1.5	1.2	0.9	1.3	1.2	0.9	1.4
Hypertensive heart disease402	4.9	5.7	4.1	3.6	4.2	3.0	13.9	16.5	11.9	17.2	20.7	14.5
Hypertensive heart and renal disease404	0.5	0.5	0.4	0.3	0.4	0.3	1.4	1.5	1.4	1.8	1.9	1.6
Ischemic heart disease410-414	94.9	132.3	65.4	94.6	133.0	63.7	95.3	123.1	74.7	108.3	139.2	85.7

See footnotes at end of table.

Table 22. Age-adjusted death rates for 72 selected causes by race and sex: United States, 1993—Con.

[Age-adjusted rates per 100,000 U.S. standard million population; see "Technical notes." For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	All other												
	All races			White			Total			Black			
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	
Acute myocardial infarction	410	47.5	66.9	32.0	47.4	67.4	31.2	47.6	61.6	37.1	54.3	69.8	42.9
Other acute and subacute forms of ischemic heart disease	411	0.7	1.0	0.4	0.7	0.9	0.4	0.9	1.3	0.6	1.1	1.5	0.7
Angina pectoris	413	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Old myocardial infarction and other forms of chronic ischemic heart disease	412,414	46.5	64.2	32.8	46.3	64.5	32.1	46.7	60.0	36.8	52.7	67.6	41.8
Other diseases of endocardium	424	2.6	3.0	2.3	2.6	3.0	2.3	2.4	2.6	2.2	2.6	2.8	2.4
All other forms of heart disease	415–423,425–429	41.1	53.1	31.3	37.5	48.6	28.3	65.4	85.1	50.4	77.8	102.4	59.6
Hypertension with or without renal disease	401,403	2.2	2.4	2.0	1.7	1.9	1.5	5.7	5.9	5.4	6.9	7.4	6.4
Cerebrovascular diseases	430–438	26.5	29.0	24.5	24.5	26.8	22.7	39.9	45.5	35.7	45.0	51.9	39.9
Intracerebral and other intracranial hemorrhage	431–432	5.1	5.8	4.4	4.4	5.0	3.9	9.1	11.4	7.3	10.1	12.8	8.0
Cerebral thrombosis and unspecified occlusion of cerebral arteries	434.0,434.9	2.5	2.8	2.3	2.4	2.7	2.1	3.6	4.2	3.1	4.0	4.7	3.5
Cerebral embolism	434.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	0.1	0.1	*	0.1
All other and late effects of cerebrovascular diseases	430,433,435–438	18.8	20.2	17.7	17.6	18.9	16.6	27.1	29.9	25.2	30.8	34.3	28.3
Atherosclerosis	440	2.4	2.8	2.1	2.4	2.8	2.1	2.3	2.6	2.0	2.6	3.0	2.3
Other diseases of arteries, arterioles, and capillaries	441–448	5.4	7.9	3.5	5.4	7.9	3.4	5.5	7.1	4.4	6.1	7.9	4.9
Acute bronchitis and bronchiolitis	466	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.1
Pneumonia and influenza	480–487	13.5	17.5	10.7	12.9	16.6	10.4	16.8	23.3	12.3	18.6	25.9	13.5
Pneumonia	480–486	13.3	17.3	10.6	12.7	16.3	10.2	16.7	23.2	12.2	18.4	25.8	13.4
Influenza	487	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Chronic obstructive pulmonary diseases and allied conditions	490–496	21.4	27.8	17.1	21.9	28.2	17.8	15.9	23.6	10.8	17.8	26.6	12.2
Bronchitis, chronic and unspecified	490–491	0.8	0.9	0.6	0.8	1.0	0.7	0.5	0.8	0.4	0.6	0.8	0.4
Emphysema	492	3.9	5.2	3.0	4.1	5.4	3.2	2.3	3.7	1.3	2.5	4.1	1.4
Asthma	493	1.4	1.3	1.6	1.2	1.0	1.3	2.9	2.8	3.0	3.5	3.3	3.7
Other chronic obstructive pulmonary diseases and allied conditions	494–496	15.2	20.3	11.9	15.9	20.8	12.6	10.1	16.2	6.1	11.2	18.4	6.6
Ulcer of stomach and duodenum	531–533	1.2	1.5	0.9	1.1	1.4	0.9	1.4	2.1	0.9	1.6	2.2	1.0
Appendicitis	540–543	0.1	0.1	0.0	0.1	0.1	0.0	0.2	0.3	0.1	0.2	0.4	0.1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia	550–553,560	1.0	1.1	1.0	0.9	1.0	0.9	1.4	1.7	1.2	1.7	2.1	1.4
Chronic liver disease and cirrhosis	571	7.9	11.3	4.9	7.6	10.8	4.6	9.6	13.8	6.2	10.9	16.1	6.6
Cholelithiasis and other disorders of gallbladder	574–575	0.5	0.6	0.4	0.5	0.6	0.4	0.6	0.7	0.6	0.7	0.7	0.6
Nephritis, nephrotic syndrome, and nephrosis	580–589	4.5	5.5	3.8	3.8	4.9	3.2	9.0	10.4	7.8	10.5	12.4	9.2
Acute glomerulonephritis and nephrotic syndrome	580–581	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.2	0.2	0.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified	582–583,587	0.3	0.4	0.2	0.3	0.3	0.2	0.7	0.8	0.6	0.8	1.0	0.6
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause	584–586,588–589	4.1	5.0	3.5	3.5	4.5	2.9	8.2	9.5	7.2	9.6	11.2	8.4
Infections of kidney	590	0.2	0.1	0.2	0.2	0.1	0.2	0.3	0.2	0.3	0.3	0.3	0.3

See footnotes at end of table.

Table 22. Age-adjusted death rates for 72 selected causes by race and sex: United States, 1993—Con.

[Age-adjusted rates per 100,000 U.S. standard million population; see "Technical notes." For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	All other												
	All races			White			Total			Black			
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	
Hyperplasia of prostate . . . . .	.600	0.1	0.2	...	0.1	0.2	...	0.1	0.3	...	0.1	0.3	...
Complications of pregnancy, childbirth, and the puerperium . . . . .	.630–676	0.1	...	0.2	0.1	...	0.1	0.3	...	0.7	0.4	...	0.8
Pregnancy with abortive outcome . . . . .	.630–638	0.0	...	0.0	0.0	...	0.0	0.1	...	0.1	0.1	...	0.1
Other complications of pregnancy, childbirth, and the puerperium . . . . .	.640–676	0.1	...	0.2	0.1	...	0.1	0.3	...	0.5	0.3	...	0.6
Congenital anomalies . . . . .	.740–759	4.6	4.9	4.3	4.5	4.9	4.2	4.9	5.3	4.6	5.5	6.0	5.1
Certain conditions originating in the perinatal period . . . . .	.760–779	5.9	6.5	5.3	4.4	4.8	3.9	11.5	12.7	10.3	14.4	15.9	12.8
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome . . . . .	.767–769	1.0	1.2	0.9	0.8	0.9	0.7	1.8	2.0	1.5	2.2	2.6	1.9
Other conditions originating in the perinatal period . . . . .	.760–766,770–779	4.9	5.3	4.4	3.6	3.9	3.2	9.7	10.7	8.8	12.2	13.4	11.0
Symptoms, signs, and ill-defined conditions . . . . .	.780–799	7.4	9.3	5.5	6.4	8.0	4.8	12.3	16.3	9.0	15.0	20.0	10.8
All other diseases . . . . .	.Residual	39.7	46.7	34.0	37.5	44.2	32.1	51.9	63.0	43.5	60.4	74.2	50.1
Accidents and adverse effects . . . . .	.E800–E949	30.3	44.2	17.0	29.6	42.9	16.6	34.7	52.7	19.0	38.4	59.8	20.1
Motor vehicle accidents . . . . .	.E810–E825	16.0	22.5	9.6	16.1	22.5	9.7	15.7	23.3	9.0	16.3	25.3	8.5
All other accidents and adverse effects . . . . .	.E800–E807,E826–E949	14.4	21.7	7.4	13.5	20.3	6.9	19.0	29.4	10.0	22.0	34.4	11.5
Suicide . . . . .	.E950–E959	11.3	18.7	4.3	12.0	19.7	4.6	7.2	12.4	2.6	7.2	12.9	2.1
Homicide and legal intervention . . . . .	.E960–E978	10.7	17.0	4.5	6.0	8.9	3.0	32.3	55.1	10.9	40.9	70.7	13.4
All other external causes . . . . .	.E980–E999	1.3	1.9	0.7	1.1	1.7	0.6	1.9	3.1	0.9	2.3	3.7	1.1

NOTE: Data for Human immunodeficiency virus infection, categories *042–*044 are shown in a separate table.

Table 23. Number of deaths and death rates for 16 selected subcategories of Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, by race and sex: United States, 1993

[Rates per 100,000 population in specified group]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	All other											
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	Number											
Malignant neoplasms ¹140-208	529,904	279,375	250,529	461,904	241,908	219,996	68,000	37,467	30,533	59,873	33,071	26,802
Malignant neoplasm of esophagus150	10,450	7,813	2,637	8,312	6,234	2,078	2,138	1,579	559	2,011	1,480	531
Malignant neoplasm of stomach151	13,850	8,229	5,621	11,041	6,565	4,476	2,809	1,664	1,145	2,241	1,339	902
Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus153,154	56,955	27,972	28,983	49,916	24,640	25,276	7,039	3,332	3,707	6,211	2,906	3,305
Malignant neoplasm of pancreas157	26,445	12,669	13,776	22,859	10,983	11,876	3,586	1,686	1,900	3,176	1,475	1,701
Malignant neoplasms of trachea, bronchus, and lung162	148,855	92,564	56,291	131,337	80,620	50,717	17,518	11,944	5,574	15,641	10,733	4,908
Malignant melanoma of skin172	6,712	4,128	2,584	6,572	4,078	2,494	140	50	90	115	38	77
Malignant neoplasm of cervix uteri180	4,583	...	4,583	3,419	...	3,419	1,164	...	1,164	1,035	...	1,035
Malignant neoplasms of body of uterus and of uterus, part unspecified179,182	6,098	...	6,098	5,081	...	5,081	1,017	...	1,017	942	...	942
Malignant neoplasm of ovary183.0	12,870	...	12,870	11,680	...	11,680	1,190	...	1,190	1,000	...	1,000
Malignant neoplasm of prostate185	34,865	34,865	...	28,847	28,847	...	6,018	6,018	...	5,656	5,656	...
Malignant neoplasm of bladder188	10,962	7,474	3,488	10,025	6,936	3,089	937	538	399	838	470	368
Malignant neoplasms of kidney and other and unspecified urinary organs189	10,807	6,599	4,208	9,697	5,950	3,747	1,110	649	461	969	570	399
Malignant neoplasms of brain and other and unspecified parts of nervous system191,192	11,993	6,551	5,442	11,132	6,089	5,043	861	462	399	697	379	318
Hodgkin's disease201	1,574	900	674	1,405	794	611	169	106	63	154	94	60
Malignant lymphoma other than Hodgkin's disease200,202	20,631	10,560	10,071	19,030	9,658	9,372	1,601	902	699	1,312	726	586
Multiple myeloma and other immunoproliferative neoplasms203	9,892	4,936	4,956	8,132	4,106	4,026	1,760	830	930	1,644	768	876
	Rate											
Malignant neoplasms ¹140-208	205.6	222.1	189.8	215.1	229.8	200.9	158.2	182.5	135.9	186.1	216.8	158.4
Malignant neoplasm of esophagus150	4.1	6.2	2.0	3.9	5.9	1.9	5.0	7.7	2.5	6.2	9.7	3.1
Malignant neoplasm of stomach151	5.4	6.5	4.3	5.1	6.2	4.1	6.5	8.1	5.1	7.0	8.8	5.3
Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus153,154	22.1	22.2	22.0	23.2	23.4	23.1	16.4	16.2	16.5	19.3	19.0	19.5
Malignant neoplasm of pancreas157	10.3	10.1	10.4	10.6	10.4	10.8	8.3	8.2	8.5	9.9	9.7	10.1
Malignant neoplasms of trachea, bronchus, and lung162	57.7	73.6	42.7	61.1	76.6	46.3	40.7	58.2	24.8	48.6	70.4	29.0
Malignant melanoma of skin172	2.6	3.3	2.0	3.1	3.9	2.3	0.3	0.2	0.4	0.4	0.2	0.5
Malignant neoplasm of cervix uteri180	1.8	...	3.5	1.6	...	3.1	2.7	...	5.2	3.2	...	6.1
Malignant neoplasms of body of uterus and of uterus, part unspecified179,182	2.4	...	4.6	2.4	...	4.6	2.4	...	4.5	2.9	...	5.6
Malignant neoplasm of ovary183.0	5.0	...	9.8	5.4	...	10.7	2.8	...	5.3	3.1	...	5.9
Malignant neoplasm of prostate185	13.5	27.7	...	13.4	27.4	...	14.0	29.3	...	17.6	37.1	...
Malignant neoplasm of bladder188	4.3	5.9	2.6	4.7	6.6	2.8	2.2	2.6	1.8	2.6	3.1	2.2
Malignant neoplasms of kidney and other and unspecified urinary organs189	4.2	5.2	3.2	4.5	5.7	3.4	2.6	3.2	2.1	3.0	3.7	2.4
Malignant neoplasms of brain and other and unspecified parts of nervous system191,192	4.7	5.2	4.1	5.2	5.8	4.6	2.0	2.3	1.8	2.2	2.5	1.9
Hodgkin's disease201	0.6	0.7	0.5	0.7	0.8	0.6	0.4	0.5	0.3	0.5	0.6	0.4
Malignant lymphoma other than Hodgkin's disease200,202	8.0	8.4	7.6	8.9	9.2	8.6	3.7	4.4	3.1	4.1	4.8	3.5
Multiple myeloma and other immunoproliferative neoplasms203	3.8	3.9	3.8	3.8	3.9	3.7	4.1	4.0	4.1	5.1	5.0	5.2

¹Includes figures for subcategories not shown.

Table 24. Number of deaths and death rates for major causes of death for the United States, each division, and State; and by race and sex for the United States, 1993

[Rates per 100,000 population in each race-sex group and area. Numbers after causes of death are categories of the *Ninth Revision, International Classification of Diseases, 1975*. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Race, sex, and area	All causes		Human immunodeficiency virus infection (*042-044)		Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)		Diabetes mellitus (250)		Diseases of heart (390-398, 402, 404-429)		Cerebrovascular diseases (430-438)		Chronic obstructive pulmonary diseases and allied conditions (490-496)		Accidents and adverse effects (E800-E949)		Motor vehicle accidents (E810-E825)		Suicide (E950-E959)		Homicide (E960-E978)	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
United States	2,268,553	880.0	37,267	14.5	529,904	205.6	53,894	20.9	743,460	288.4	150,108	58.2	101,077	39.2	90,523	35.1	41,893	16.3	31,102	12.1	26,009	10.1
Male	1,161,797	923.5	32,093	25.5	279,375	222.1	23,430	18.6	367,479	292.1	59,048	46.9	54,371	43.2	60,117	47.8	28,531	22.7	25,007	19.9	20,290	16.1
Female	1,106,756	838.6	5,174	3.9	250,529	189.8	30,464	23.1	375,981	284.9	91,060	69.0	46,706	35.4	30,406	23.0	13,362	10.1	6,095	4.6	5,719	4.3
White	1,951,437	908.5	23,586	11.0	461,904	215.1	43,461	20.2	655,365	305.1	129,992	60.5	93,615	43.6	75,218	35.0	35,194	16.4	28,035	13.1	12,286	5.7
Male	988,329	938.8	21,455	20.4	241,908	229.8	19,311	18.3	323,802	307.6	50,220	47.7	49,812	47.3	49,515	47.0	23,874	22.7	22,524	21.4	9,054	8.6
Female	963,108	879.4	2,131	1.9	219,996	200.9	24,150	22.1	331,563	302.8	79,772	72.8	43,803	40.0	25,703	23.5	11,320	10.3	5,511	5.0	3,232	3.0
All other	317,116	737.6	13,681	31.8	68,000	158.2	10,433	24.3	88,095	204.9	20,116	46.8	7,462	17.4	15,305	35.6	6,699	15.6	3,067	7.1	13,723	31.9
Male	173,468	845.1	10,638	51.8	37,467	182.5	4,119	20.1	43,677	212.8	8,828	43.0	4,559	22.2	10,602	51.7	4,657	22.7	2,483	12.1	11,236	54.7
Female	143,648	639.3	3,043	13.5	30,533	135.9	6,314	28.1	44,418	197.7	11,288	50.2	2,903	12.9	4,703	20.9	2,042	9.1	584	2.6	2,487	11.1
Black	282,151	876.8	13,319	41.4	59,873	186.1	9,380	29.1	79,011	245.5	17,557	54.6	6,435	20.0	12,707	39.5	5,217	16.2	2,259	7.0	12,937	40.2
Male	153,502	1,006.3	10,324	67.7	33,071	216.8	3,648	23.9	38,357	251.4	7,599	49.8	3,913	25.7	8,900	58.3	3,752	24.6	1,905	12.5	10,640	69.7
Female	128,649	760.1	2,995	17.7	26,802	158.4	5,732	33.9	40,654	240.2	9,958	58.8	2,522	14.9	3,807	22.5	1,465	8.7	354	2.1	2,297	13.6
New England	119,965	906.4	1,550	11.7	29,944	226.2	2,806	21.2	38,965	294.4	7,562	57.1	5,141	38.8	3,408	25.7	1,397	10.6	1,276	9.6	564	4.3
Maine	11,695	943.3	73	5.9	3,035	244.8	282	22.7	3,697	298.2	752	60.7	612	49.4	389	31.4	183	14.8	181	14.6	21	1.7
New Hampshire	8,856	787.7	37	3.3	2,369	210.7	232	20.6	2,841	252.7	637	56.7	415	36.9	259	23.0	111	9.9	144	12.8	26	2.3
Vermont	4,957	861.1	26	4.5	1,137	197.5	135	23.5	1,571	272.9	320	55.6	254	44.1	228	39.6	98	17.0	92	16.0	14	*
Massachusetts	55,634	924.5	777	12.9	13,997	232.6	1,338	22.2	17,613	292.7	3,378	56.1	2,327	38.7	1,346	22.4	549	9.1	467	7.8	249	4.1
Rhode Island	9,786	979.0	104	10.4	2,366	236.7	242	24.2	3,416	341.7	640	64.0	431	43.1	216	21.6	85	8.5	90	9.0	45	4.5
Connecticut	29,037	885.8	533	16.3	7,040	214.8	577	17.6	9,827	299.8	1,835	56.0	1,102	33.6	970	29.6	371	11.3	302	9.2	209	6.4
Middle Atlantic	370,408	973.7	10,083	26.5	87,013	228.7	8,578	22.5	134,353	353.2	20,239	53.2	14,035	36.9	11,484	30.2	4,437	11.7	3,354	8.8	3,735	9.8
New York	171,232	943.3	6,786	37.4	38,431	211.7	3,117	17.2	66,395	365.8	8,453	46.6	6,144	33.8	5,118	28.2	1,966	10.8	1,384	7.6	2,449	13.5
New Jersey ¹	72,705	925.1	2,200	28.0	18,307	232.9	2,158	27.5	23,921	304.4	3,921	49.9	2,679	34.1	2,140	27.2	834	10.6	558	7.1	435	5.5
Pennsylvania	126,471	1,051.3	1,097	9.1	30,275	251.7	3,303	27.5	44,037	366.1	7,865	65.4	5,212	43.3	4,226	35.1	1,637	13.6	1,412	11.7	851	7.1
East North Central	389,276	906.2	3,261	7.6	92,255	214.8	10,161	23.7	131,784	306.8	26,067	60.7	16,925	39.4	13,705	31.9	6,218	14.5	4,719	11.0	3,708	8.6
Ohio	102,696	928.4	697	6.3	24,930	225.4	3,047	27.5	35,137	317.7	6,274	56.7	4,771	43.1	3,347	30.3	1,491	13.5	1,155	10.4	605	5.5
Indiana	52,311	916.8	295	5.2	12,257	214.8	1,368	24.0	17,509	306.9	3,804	66.7	2,474	43.4	1,887	33.1	939	16.5	731	12.8	405	7.1
Illinois	107,193	917.3	1,314	11.2	25,267	216.2	2,528	21.6	35,860	306.9	7,153	61.2	4,325	37.0	3,899	33.4	1,577	13.5	1,160	9.9	1,420	12.2
Michigan	82,570	872.9	696	7.4	19,246	203.5	2,112	22.3	28,624	302.6	5,309	56.1	3,459	36.6	2,866	30.3	1,458	15.4	1,084	11.5	1,045	11.0
Wisconsin	44,506	882.3	259	5.1	10,555	209.3	1,106	21.9	14,654	290.5	3,527	69.9	1,896	37.6	1,706	33.8	753	14.9	589	11.7	233	4.6
West North Central	169,433	937.0	881	4.9	38,424	212.5	3,706	20.5	56,149	310.5	12,683	70.1	7,914	43.8	6,841	37.8	3,014	16.7	2,191	12.1	1,114	6.2
Minnesota	36,450	805.6	205	4.5	8,430	186.3	766	16.9	10,530	232.7	3,039	67.2	1,651	36.5	1,530	33.8	607	13.4	498	11.0	143	3.2
Iowa	27,973	991.5	72	2.6	6,481	229.7	597	21.2	9,756	345.8	2,088	74.0	1,326	47.0	1,031	36.5	469	16.6	318	11.3	61	2.2
Missouri	53,746	1,026.6	424	8.1	12,130	231.7	1,203	23.0	18,765	358.4	3,758	71.8	2,459	47.0	2,146	41.0	962	18.4	672	12.8	601	11.5
North Dakota	5,825	914.8	6	*	1,349	211.9	183	28.0	1,944	305.3	439	68.9	220	34.6	227	35.7	93	14.6	79	12.4	21	3.3
South Dakota	6,782	947.1	13	*	1,518	212.0	163	22.8	2,257	315.2	486	67.9	351	49.0	325	45.4	140	19.6	117	16.3	29	4.0
Nebraska	15,026	931.4	44	2.7	3,345	207.3	282	17.5	5,049	313.0	1,136	70.4	755	46.8	615	38.1	273	16.9	171	10.6	60	3.7
Kansas	23,631	932.2	117	4.6	5,171	204.0	512	20.2	7,848	309.6	1,737	68.5	1,152	45.4	967	38.1	470	18.5	336	13.3	199	7.8

See footnotes at end of table.

Table 24. Number of deaths and death rates for major causes of death for the United States, each division, and State; and by race and sex for the United States, 1993—Con.

[Rates per 100,000 population in each race-sex group and area. Numbers after causes of death are categories of the *Ninth Revision, International Classification of Diseases, 1975*. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Race, sex, and area	All causes		Human immunodeficiency virus infection (*042–*044)		Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140–208)		Diabetes mellitus (250)		Diseases of heart (390–398, 402, 404–429)		Cerebrovascular diseases (430–438)		Chronic obstructive pulmonary diseases and allied conditions (490–496)		Accidents and adverse effects (E800–E949)		Motor vehicle accidents (E810–E825)		Suicide (E950–E959)		Homicide (E960–E978)	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
South Atlantic	422,903	924.6	8,452	18.5	100,068	218.8	10,084	22.0	134,382	293.8	28,457	62.2	18,895	41.3	17,166	37.5	8,483	18.5	5,984	13.1	5,319	11.6
Delaware	6,150	880.5	107	15.3	1,612	230.8	188	26.9	1,929	276.2	327	46.8	272	38.9	250	35.8	101	14.5	94	13.5	37	5.3
Maryland	40,373	814.3	1,004	20.2	9,895	199.6	1,259	25.4	12,138	244.8	2,262	45.6	1,540	31.1	1,379	27.8	669	13.5	529	10.7	663	13.4
District of Columbia	7,191	1,241.8	586	101.2	1,469	253.7	200	34.5	1,823	314.8	334	57.7	163	28.1	210	36.3	70	12.1	43	7.4	419	72.4
Virginia	51,538	796.2	680	10.5	12,424	191.9	1,041	16.1	16,002	247.2	3,669	56.7	2,209	34.1	2,065	31.9	883	13.6	783	12.1	561	8.7
West Virginia	20,404	1,122.1	61	3.4	4,728	260.0	556	30.6	7,186	395.2	1,211	66.6	1,097	60.3	836	46.0	439	24.1	269	14.8	140	7.7
North Carolina	62,486	898.8	809	11.6	14,410	207.3	1,569	22.6	19,163	275.6	4,796	69.0	2,833	40.7	2,823	40.6	1,404	20.2	789	11.3	861	12.4
South Carolina	31,963	880.5	462	12.7	7,136	196.6	874	24.1	9,913	273.1	2,573	70.9	1,309	36.1	1,626	44.8	837	23.1	491	13.5	410	11.3
Georgia	56,099	812.8	1,246	18.1	12,283	178.0	1,126	16.3	17,366	251.6	3,839	55.6	2,352	34.1	2,822	40.9	1,420	20.6	856	12.4	841	12.2
Florida	146,699	1,068.8	3,497	25.5	36,111	263.1	3,271	23.8	48,862	356.0	9,446	68.8	7,120	51.9	5,155	37.6	2,660	19.4	2,130	15.5	1,387	10.1
East South Central	153,789	979.0	1,047	6.7	34,494	219.6	3,332	21.2	51,419	327.3	10,830	68.9	6,683	42.5	7,898	50.3	4,057	25.8	2,074	13.2	1,892	12.0
Kentucky	36,869	971.8	142	3.7	8,754	230.7	885	23.3	12,315	324.6	2,465	65.0	1,815	47.8	1,740	45.9	883	23.3	523	13.8	248	6.5
Tennessee	49,249	966.8	398	7.8	11,054	217.0	1,103	21.7	16,011	314.3	3,761	73.8	2,179	42.8	2,449	48.1	1,198	23.5	673	13.2	571	11.2
Alabama	41,272	987.2	313	7.5	9,128	218.3	856	20.5	13,556	324.3	2,824	67.5	1,683	40.3	2,137	51.1	1,108	26.5	551	13.2	581	13.9
Mississippi	26,399	1,000.0	194	7.3	5,558	210.5	488	18.5	9,537	361.3	1,780	67.4	1,006	38.1	1,572	59.5	868	32.9	327	12.4	492	18.6
West South Central	233,210	833.8	3,520	12.6	53,164	190.1	7,098	25.4	73,917	264.3	15,869	56.7	10,145	36.3	10,723	38.3	5,433	19.4	3,604	12.9	3,799	13.6
Arkansas	26,531	1,093.7	124	5.1	5,974	246.3	567	23.4	8,612	355.0	2,244	92.5	1,176	48.5	1,164	48.0	597	24.6	317	13.1	299	12.3
Louisiana	39,593	922.8	630	14.7	9,131	212.8	1,464	34.1	12,572	293.0	2,412	56.2	1,417	33.0	1,891	44.1	911	21.2	530	12.4	914	21.3
Oklahoma	32,422	1,002.9	211	6.5	7,037	217.7	631	19.5	11,397	352.5	2,223	68.8	1,543	47.7	1,450	44.9	709	21.9	491	15.2	316	9.8
Texas	134,664	747.2	2,555	14.2	31,022	172.1	4,436	24.6	41,336	229.4	8,990	49.9	6,009	33.3	6,218	34.5	3,216	17.8	2,266	12.6	2,270	12.6
Mountain	109,793	743.0	1,214	8.2	24,799	167.8	2,466	16.7	31,037	210.0	7,072	47.9	6,524	44.1	5,902	39.9	2,906	19.7	2,653	18.0	1,059	7.2
Montana	7,472	888.5	19	*	1,740	206.9	189	22.5	2,112	251.1	530	63.0	485	57.7	397	47.2	186	22.1	155	18.4	38	4.5
Idaho	8,395	762.9	36	3.3	1,868	169.8	171	15.5	2,454	223.0	654	59.4	467	42.4	497	45.2	248	22.5	189	17.2	35	3.2
Wyoming	3,490	743.0	8	*	766	163.1	79	16.8	987	210.1	256	54.5	248	52.8	217	46.2	108	23.0	105	22.4	15	*
Colorado	23,746	666.4	384	10.8	5,333	149.7	459	12.9	6,131	172.0	1,614	45.3	1,519	42.6	1,212	34.0	599	16.8	607	17.0	207	5.8
New Mexico	11,731	726.1	117	7.2	2,539	157.2	397	24.6	2,993	185.3	645	39.9	693	42.9	864	53.5	409	25.3	287	17.8	163	10.1
Arizona	33,321	844.7	414	10.5	7,703	195.3	661	16.8	10,094	255.9	2,076	52.6	1,936	49.1	1,637	41.5	797	20.2	727	18.4	374	9.5
Utah	10,465	562.7	74	4.0	2,062	110.9	338	18.2	2,944	158.3	718	38.6	410	22.0	648	34.8	337	18.1	260	14.0	68	3.7
Nevada	11,173	808.5	162	11.7	2,788	201.7	172	12.4	3,322	240.4	579	41.9	766	55.4	430	31.1	222	16.1	323	23.4	159	11.5
Pacific	299,776	726.3	7,259	17.6	69,743	169.0	5,663	13.7	91,454	221.6	21,329	51.7	14,815	35.9	13,396	32.5	5,948	14.4	5,247	12.7	4,819	11.7
Washington	40,473	769.6	533	10.1	9,843	187.2	938	17.8	11,868	225.7	3,173	60.3	2,211	42.0	1,723	32.8	730	13.9	690	13.1	282	5.4
Oregon	27,602	909.5	271	8.9	6,590	217.2	627	20.7	7,669	252.7	2,187	72.1	1,561	51.4	1,245	41.0	512	16.9	465	15.3	146	4.8
California	221,989	711.1	6,313	20.2	50,998	163.4	3,857	12.4	69,193	221.7	15,303	49.0	10,684	34.2	9,793	31.4	4,460	14.3	3,875	12.4	4,312	13.8
Alaska ¹	2,383	398.6	26	4.3	567	94.8	59	9.9	495	82.8	115	19.2	99	16.6	337	56.4	110	18.4	97	16.2	43	7.2
Hawaii	7,329	628.8	116	10.0	1,745	149.7	182	15.6	2,229	191.2	551	47.3	260	22.3	298	25.6	136	11.7	120	10.3	36	3.1

¹Amended records were not received from New Jersey and Alaska. Deaths for selected external causes are understated; see "Technical notes."

NOTES: Caution should be used in comparing crude death rates by State. Death rates are affected by the population composition of the area.

Infant mortality

► In 1993, 33,466 infant deaths were reported; the infant mortality rate was 8.4 deaths per 1,000 live births (figure 9, table 25). (For definitions and background information on infant mortality rates, see “Technical notes.”) Black infant, neonatal, and postneonatal mortality rates were higher than white infant rates.

► Between 1992 and 1993, the infant, neonatal, and postneonatal mortality rates declined at different rates for black and white infants (table 26). The decrease was larger for black infants and neonates and smaller for black postneonates. No change occurred in the white neonatal rate.

► The 10 leading causes of infant death did not change between 1992 and 1993, but the rankings of accidents (seventh)

and perinatal infections (eighth) in 1992 reversed in 1993. Among the 10 leading causes of infant death, the first four—congenital anomalies, sudden infant death syndrome (SIDS), short gestation and low birthweight, and respiratory distress syndrome (RDS)—accounted for 54 percent of all infant deaths in 1993. The infant mortality rate increased for 3 and decreased for 7 of the 10 leading causes of infant death (table 27).

► Differences between white and black infant mortality rates by cause are reflected in differences in the rankings of leading causes of infant death (table 28), in differences in the rates of increase or decrease for specific causes, and in differences in cause-specific infant mortality rates (table 29).

- Between 1992 and 1993, decreases in mortality due to RDS,

SIDS, congenital anomalies, other respiratory conditions, and perinatal infections made the largest contributions to the 1.4-percent decrease in the white infant mortality rate; further decrease was offset by increases in mortality due to short gestation and low birthweight.

- Decreases in mortality due to other respiratory conditions, congenital anomalies, and pneumonia and influenza made the largest contributions to the 1.9-percent decrease in the black infant mortality rate; further decrease was offset by increases in mortality due to short gestation and low birthweight; complications of labor and delivery; and complications of placenta, cord, and membranes.

► The following causes were not ranked as leading causes of death and contributed relatively little to the overall change in the infant mortality rate: Anencephalus, congenital hydrocephalus, congenital anomalies of the genitourinary system, slow fetal growth and fetal malnutrition, and fetal distress. However, large decreases occurred in the death rates for these causes; and conversely, large increases occurred in the death rates for complications of labor and delivery, accidental mechanical suffocation, and child battering (table 29).

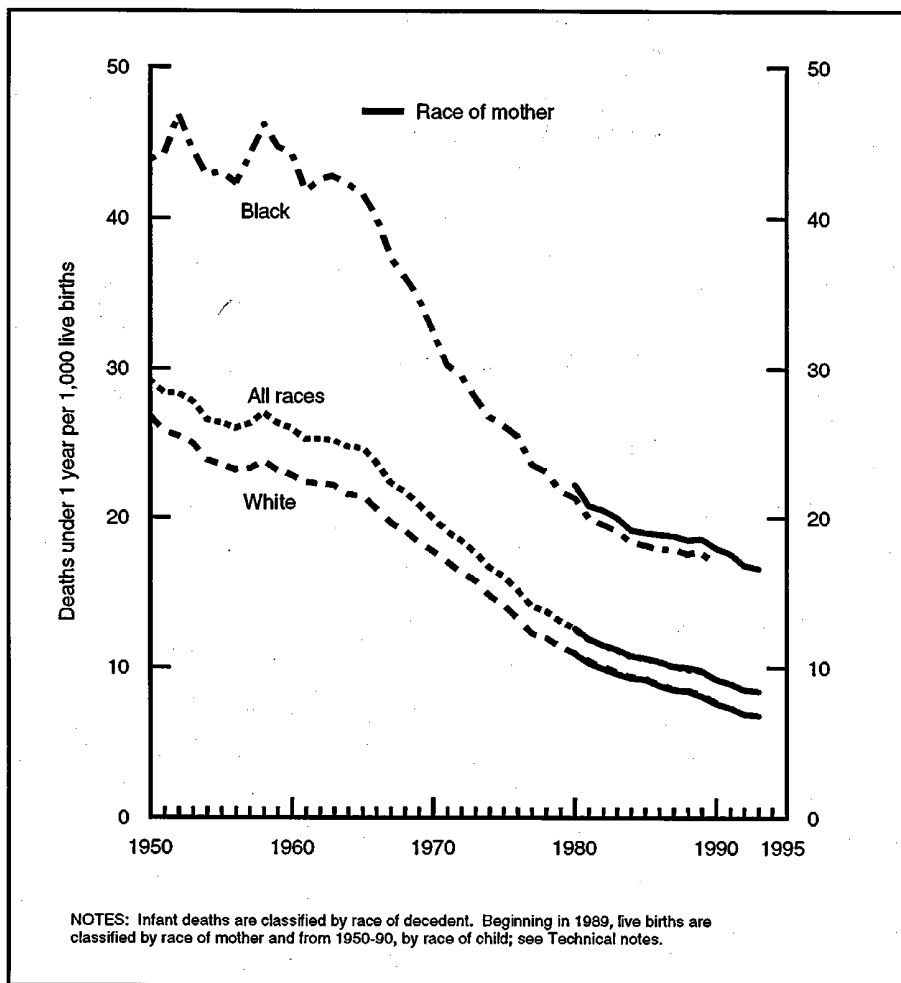


Figure 9. Infant mortality rates by race: United States, 1950-93

Table 25. Number of infant and neonatal deaths and mortality rates, by race for the United States, each division, and State; and by sex for the United States, 1993

[Rates per 1,000 live births in specified group. Number of live births based on race of mother, see "Technical notes"]

Race, sex, and area	Infant deaths						Neonatal deaths					
	All races		White		Black		All races		White		Black	
	Number	Rate ¹	Number	Rate	Number	Rate	Number	Rate ¹	Number	Rate	Number	Rate
United States	33,466	8.4	21,497	6.8	10,887	16.5	21,174	5.3	13,506	4.3	7,044	10.7
Male	18,959	9.3	12,222	7.6	6,121	18.3	11,780	5.7	7,499	4.6	3,927	11.8
Female	14,507	7.4	9,275	6.0	4,766	14.7	9,394	4.8	6,007	3.9	3,117	9.6
New England	1,196	6.5	970	6.0	205	13.1	835	4.6	671	4.1	152	9.7
Maine	102	6.8	102	6.9	—	*	66	4.4	66	4.5	—	*
New Hampshire	87	5.6	86	5.7	1	*	56	3.6	56	3.7	—	*
Vermont	50	6.7	49	6.7	1	*	34	4.6	33	4.5	1	*
Massachusetts	524	6.2	416	5.7	95	11.4	377	4.5	295	4.0	73	8.7
Rhode Island	102	7.3	87	7.1	15	*	69	4.9	60	4.9	9	*
Connecticut	331	7.1	230	5.8	93	15.6	233	5.0	161	4.1	69	11.6
Middle Atlantic	4,723	8.4	2,798	6.5	1,811	16.8	3,206	5.7	1,955	4.5	1,180	11.0
New York	2,371	8.4	1,377	6.6	925	15.4	1,623	5.7	959	4.6	616	10.3
New Jersey	977	8.3	545	6.1	404	17.5	653	5.5	376	4.2	259	11.2
Pennsylvania	1,375	8.6	876	6.6	482	19.7	930	5.8	620	4.7	305	12.5
East North Central	5,986	9.3	3,806	7.4	2,117	18.7	3,813	5.9	2,419	4.7	1,353	11.9
Ohio	1,460	9.2	1,001	7.6	456	17.9	952	6.0	656	5.0	294	11.5
Indiana	769	9.2	593	8.0	172	18.3	464	5.5	358	4.9	104	11.1
Illinois	1,880	9.9	1,016	7.1	842	19.6	1,206	6.3	655	4.6	535	12.5
Michigan	1,326	9.5	778	7.1	532	18.8	862	6.2	499	4.6	355	12.5
Wisconsin	551	7.9	418	7.0	115	16.0	329	4.7	251	4.2	65	9.1
West North Central	2,093	8.1	1,635	7.2	369	17.1	1,259	4.9	993	4.4	220	10.2
Minnesota	486	7.5	416	7.1	40	14.1	295	4.6	256	4.4	22	7.8
Iowa	261	6.9	232	6.4	25	22.9	155	4.1	138	3.8	15	*
Missouri	633	8.4	436	7.1	193	14.8	388	5.2	269	4.4	116	8.9
North Dakota	69	7.9	61	7.9	2	*	40	4.6	37	4.8	1	*
South Dakota	102	9.5	67	7.6	—	*	53	4.9	37	4.2	—	*
Nebraska	212	9.1	176	8.3	33	26.2	123	5.3	101	4.8	19	*
Kansas	330	8.8	247	7.5	76	23.5	205	5.5	155	4.7	47	14.5
South Atlantic	6,451	9.6	3,188	6.9	3,181	16.4	4,314	6.4	2,088	4.5	2,173	11.2
Delaware	93	8.8	45	5.7	48	19.9	68	6.4	33	4.2	35	14.5
Maryland	738	9.8	295	6.3	434	17.6	510	6.8	203	4.3	302	12.2
District of Columbia	185	17.4	10	*	175	20.6	130	12.2	7	*	123	14.5
Virginia	827	8.7	459	6.7	348	14.9	550	5.8	300	4.4	239	10.2
West Virginia	188	8.6	169	8.1	18	*	126	5.8	118	5.7	8	*
North Carolina	1,066	10.5	534	7.7	503	17.1	739	7.3	358	5.2	362	12.3
South Carolina	543	10.1	218	6.7	323	15.7	368	6.8	144	4.4	223	10.9
Georgia	1,153	10.4	498	7.2	650	16.3	751	6.8	311	4.5	436	10.9
Florida	1,658	8.6	960	6.6	682	15.3	1,072	5.6	614	4.2	445	10.0
East South Central	2,241	9.7	1,220	7.5	1,002	15.7	1,382	6.0	745	4.6	627	9.8
Kentucky	432	8.2	360	7.6	69	14.3	270	5.1	226	4.7	42	8.7
Tennessee	687	9.4	366	6.7	315	17.9	403	5.5	207	3.8	193	11.0
Alabama	638	10.3	315	7.9	318	15.1	409	6.6	200	5.0	206	9.8
Mississippi	484	11.5	179	8.4	300	14.7	300	7.1	112	5.3	186	9.1
West South Central	3,920	8.3	2,596	7.0	1,257	14.9	2,327	4.9	1,523	4.1	773	9.2
Arkansas	342	10.0	236	9.1	105	13.4	200	5.8	132	5.1	68	8.7
Louisiana	751	10.8	284	7.4	464	15.6	471	6.8	173	4.5	296	10.0
Oklahoma	409	8.8	301	8.3	81	16.4	208	4.5	141	3.9	54	10.9
Texas	2,418	7.5	1,775	6.5	607	14.6	1,448	4.5	1,077	4.0	355	8.5
Mountain	1,820	7.4	1,512	6.9	150	18.0	1,029	4.2	871	4.0	79	9.5
Montana	84	7.4	69	6.9	1	*	51	4.5	44	4.4	—	*
Idaho	125	7.2	119	7.0	1	*	62	3.6	61	3.6	—	*
Wyoming	52	7.9	49	7.9	1	*	30	4.6	29	4.7	1	*
Colorado	426	7.9	364	7.4	50	17.0	229	4.2	199	4.0	25	8.5
New Mexico	235	8.4	169	7.3	12	*	129	4.6	99	4.3	8	*
Arizona	525	7.6	411	6.9	53	22.1	340	4.9	268	4.5	32	13.3
Utah	223	6.0	212	6.0	4	*	112	3.0	108	3.1	1	*
Nevada	150	6.7	119	6.2	28	14.0	76	3.4	63	3.3	12	*
Pacific	5,036	6.8	3,772	6.3	795	15.8	3,009	4.1	2,241	3.7	487	9.7
Washington	504	6.4	416	6.0	56	17.8	255	3.2	215	3.1	29	9.2
Oregon	298	7.2	272	7.0	19	*	154	3.7	141	3.6	8	*
California	4,001	6.8	3,016	6.3	703	15.6	2,445	4.2	1,839	3.8	437	9.7
Alaska	91	8.2	47	6.3	11	*	51	4.6	28	3.7	8	*
Hawaii	142	7.2	21	3.8	6	*	104	5.3	18	*	5	*

¹Includes races other than white and black.

NOTE: Caution should be used in comparing infant mortality rates by State.

Table 26. Infant, neonatal, and postneonatal mortality rates by race and sex: United States, 1940, 1950, 1960, 1970, and 1975–93

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days–12 months) deaths per 1,000 live births in specified group. Beginning in 1980, race for live births is tabulated according to race of mother; see "Technical notes"]

Year	All other											
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Infant mortality rate												
Race of mother ¹												
1993	8.4	9.3	7.4	6.8	7.6	6.0	14.1	15.6	12.5	16.5	18.3	14.7
1992	8.5	9.4	7.6	6.9	7.7	6.1	14.4	15.7	13.1	16.8	18.4	15.3
1991	8.9	10.0	7.8	7.3	8.3	6.3	15.1	16.5	13.6	17.6	19.4	15.7
1990	9.2	10.3	8.1	7.6	8.5	6.6	15.5	17.0	14.0	18.0	19.6	16.2
1989	9.8	10.8	8.8	8.1	9.0	7.1	16.3	17.6	15.0	18.6	20.0	17.2
1988	10.0	11.0	8.9	8.4	9.4	7.3	16.1	17.3	14.8	18.5	20.0	17.0
1987	10.1	11.2	8.9	8.5	9.5	7.5	16.5	18.1	14.8	18.8	20.6	16.8
1986	10.4	11.5	9.1	8.8	9.9	7.7	16.7	18.5	14.9	18.9	20.9	16.8
1985	10.6	11.9	9.3	9.2	10.4	7.9	16.8	18.3	15.3	19.0	20.8	17.2
1984	10.8	11.9	9.6	9.3	10.4	8.2	17.1	18.4	15.7	19.2	20.7	17.6
1983	11.2	12.3	10.0	9.6	10.7	8.5	17.8	19.4	16.1	20.0	22.0	18.0
1982	11.5	12.8	10.2	9.9	11.1	8.7	18.3	20.1	16.5	20.5	22.5	18.4
1981	11.9	13.1	10.7	10.3	11.5	9.1	18.8	20.4	17.2	20.8	22.5	19.0
1980	12.6	13.9	11.2	10.9	12.1	9.5	20.2	21.9	18.4	22.2	24.2	20.2
Race of child ²												
1980	12.6	13.9	11.2	11.0	12.3	9.6	19.1	20.7	17.5	21.4	23.3	19.4
1979	13.1	14.5	11.6	11.4	12.8	9.9	19.8	21.5	18.1	21.8	23.7	19.8
1978	13.8	15.3	12.2	12.0	13.4	10.6	21.1	23.1	18.9	23.1	25.4	20.8
1977	14.1	15.8	12.4	12.3	13.9	10.7	21.7	23.7	19.6	23.6	25.9	21.3
1976	15.2	16.8	13.6	13.3	14.8	11.7	23.5	25.5	21.4	25.5	27.8	23.2
1975	16.1	17.9	14.2	14.2	15.9	12.3	24.2	26.2	22.2	26.2	28.3	24.0
1970	20.0	22.4	17.5	17.8	20.0	15.4	30.9	34.2	27.5	32.6	36.2	29.0
1960	26.0	29.3	22.6	22.9	26.0	19.6	43.2	47.9	38.5	44.3	49.1	39.4
1950	29.2	32.8	25.5	26.8	30.2	23.1	44.5	48.9	39.9	43.9	48.3	39.4
1940	47.0	52.5	41.3	43.2	48.3	37.8	73.8	82.2	65.2	72.9	81.1	64.6
Neonatal mortality rate												
Race of mother ¹												
1993	5.3	5.7	4.8	4.3	4.6	3.9	9.0	9.9	8.1	10.7	11.8	9.6
1992	5.4	5.8	4.9	4.3	4.7	4.0	9.2	10.0	8.3	10.8	11.8	9.8
1991	5.6	6.2	5.0	4.5	5.0	4.0	9.5	10.5	8.5	11.2	12.6	9.9
1990	5.8	6.5	5.2	4.8	5.4	4.2	9.9	10.8	8.9	11.6	12.7	10.4
1989	6.2	6.8	5.6	5.1	5.7	4.6	10.3	11.1	9.5	11.9	12.8	11.0
1988	6.3	6.9	5.7	5.3	5.8	4.7	10.3	11.2	9.4	12.1	13.1	10.9
1987	6.5	7.1	5.8	5.4	6.0	4.8	10.7	11.7	9.6	12.3	13.5	11.1
1986	6.7	7.4	6.0	5.7	6.3	5.1	10.8	11.8	9.7	12.3	13.6	11.0
1985	7.0	7.8	6.1	6.0	6.8	5.2	11.0	12.0	10.0	12.6	13.8	11.4
1984	7.0	7.7	6.3	6.1	6.7	5.4	10.9	11.7	10.1	12.3	13.2	11.4
1983	7.3	8.0	6.5	6.3	7.0	5.6	11.4	12.5	10.3	12.9	14.2	11.6
1982	7.7	8.5	6.9	6.7	7.4	5.9	12.0	13.2	10.9	13.6	14.9	12.3
1981	8.0	8.8	7.2	7.0	7.7	6.2	12.5	13.5	11.5	14.0	15.2	12.8
1980	8.5	9.3	7.6	7.4	8.2	6.5	13.2	14.3	12.1	14.6	15.9	13.3
Race of child ²												
1980	8.5	9.3	7.6	7.5	8.3	6.6	12.5	13.5	11.5	14.1	15.3	12.8
1979	8.9	9.8	7.9	7.9	8.8	6.9	12.9	13.9	11.8	14.3	15.5	13.1
1978	9.5	10.5	8.4	8.4	9.3	7.4	14.0	15.5	12.4	15.5	17.2	13.7
1977	9.9	11.0	8.7	8.7	9.8	7.6	14.7	16.0	13.3	16.1	17.6	14.5
1976	10.9	12.0	9.7	9.7	10.7	8.5	16.3	17.7	14.9	17.9	19.5	16.3
1975	11.6	12.9	10.2	10.4	11.7	9.0	16.8	18.2	15.3	18.3	19.8	16.8
1970	15.1	17.0	13.1	13.8	15.5	11.9	21.4	23.9	18.9	22.8	25.4	20.1
1960	18.7	21.2	16.1	17.2	19.7	14.7	26.9	30.0	23.6	27.8	31.1	24.5
1950	20.5	23.3	17.5	19.4	22.2	16.4	27.5	30.8	24.2	27.8	31.1	24.4
1940	28.8	32.6	24.7	27.2	30.9	23.3	39.7	44.9	34.5	39.9	44.8	34.9

See footnotes at end of table.

Table 26. Infant, neonatal, and postneonatal mortality rates by race and sex: United States, 1940, 1950, 1960, 1970, and 1975–93—Con.

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days–12 months) deaths per 1,000 live births in specified group. Beginning in 1980, race for live births is tabulated according to race of mother; see "Technical notes"]

Year	All races			White			All other					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Postneonatal mortality rate												
Race of mother ¹												
1993	3.1	3.5	2.6	2.5	2.9	2.1	5.1	5.7	4.4	5.8	6.6	5.1
1992	3.1	3.5	2.7	2.6	3.0	2.2	5.2	5.7	4.8	6.0	6.5	5.5
1991	3.4	3.8	2.9	2.8	3.2	2.3	5.6	6.0	5.1	6.3	6.8	5.8
1990	3.4	3.8	3.0	2.8	3.1	2.4	5.7	6.2	5.1	6.4	6.9	5.9
1989	3.6	4.0	3.1	2.9	3.4	2.5	6.0	6.5	5.5	6.7	7.2	6.2
1988	3.6	4.0	3.2	3.1	3.5	2.6	5.7	6.1	5.4	6.5	6.9	6.1
1987	3.6	4.1	3.2	3.1	3.5	2.6	5.8	6.3	5.2	6.4	7.1	5.8
1986	3.6	4.1	3.1	3.1	3.5	2.6	5.9	6.6	5.2	6.6	7.3	5.8
1985	3.7	4.2	3.2	3.2	3.6	2.7	5.8	6.3	5.3	6.4	7.0	5.8
1984	3.8	4.2	3.3	3.2	3.7	2.8	6.2	6.7	5.6	6.8	7.5	6.2
1983	3.9	4.3	3.4	3.3	3.7	2.9	6.4	7.0	5.8	7.0	7.8	6.3
1982	3.8	4.3	3.3	3.2	3.7	2.8	6.3	6.9	5.6	6.9	7.6	6.1
1981	3.9	4.3	3.5	3.4	3.8	2.9	6.3	6.8	5.8	6.8	7.4	6.3
1980	4.1	4.6	3.6	3.5	3.9	3.0	7.0	7.6	6.3	7.6	8.3	6.9
Race of child ²												
1980	4.1	4.6	3.6	3.5	4.0	3.0	6.6	7.2	6.0	7.3	7.9	6.6
1979	4.2	4.7	3.7	3.5	4.0	3.0	6.9	7.6	6.3	7.5	8.2	6.7
1978	4.3	4.7	3.9	3.6	4.0	3.2	7.0	7.6	6.5	7.6	8.2	7.0
1977	4.2	4.8	3.7	3.6	4.1	3.1	7.0	7.7	6.3	7.6	8.3	6.8
1976	4.3	4.8	3.8	3.6	4.1	3.2	7.2	7.8	6.5	7.6	8.4	6.9
1975	4.5	4.9	4.0	3.8	4.2	3.3	7.5	8.0	6.9	7.9	8.5	7.2
1970	4.9	5.4	4.4	4.0	4.4	3.5	9.5	10.3	8.6	9.9	10.8	8.9
1960	7.3	8.1	6.5	5.7	6.3	4.9	16.4	17.8	14.8	16.5	18.0	14.9
1950	8.7	9.4	8.0	7.4	8.0	6.7	16.9	18.1	15.7	16.1	17.2	15.0
1940	18.3	19.9	16.6	16.0	17.5	14.5	34.1	37.3	30.7	33.0	36.4	29.7

¹Infant deaths based on race of decedent; live births based on race of mother; see "Technical notes."

²Infant deaths based on race of decedent; live births based on race of child; see "Technical notes."

Table 27. Percent of total deaths and infant mortality rates for 1993, percent change in infant mortality rates from 1992 to 1993 and 1980 to 1993 for the 10 leading causes of death for the infant population in 1993: United States

[Crude death rates on an annual basis per 100,000 population]

Rank ¹	Cause of death (Ninth Revision, International Classification of Diseases, 1975)	Percent of total deaths	Infant mortality rate 1993	Percent change from—	
				1992 to 1993	1980 to 1993
...	All causes	100	836.6	-1.8	-33.6
1	Congenital anomalies740-759	21.3	178.2	-2.7	-30.2
2	Sudden infant death syndrome798.0	14.0	116.7	-3.0	-23.5
3	Disorders relating to short gestation and unspecified low birthweight765	12.9	107.7	8.5	6.6
3	Respiratory distress syndrome769	5.4	45.4	-10.6	-67.1
5	Newborn affected by maternal complications of pregnancy761	4.0	33.6	-6.4	-22.8
6	Newborn affected by maternal complications of placenta, cord, and membranes762	3.0	24.8	1.6	-9.2
7	Accidents and adverse effectsE800-E949	2.7	22.4	11.4	-30.7
8	Infections specific to the perinatal period771	2.3	19.3	-13.1	-28.3
9	Intrauterine hypoxia and birth asphyxia768	1.6	13.7	-9.3	-66.9
10	Pneumonia and influenza480-487	1.6	13.2	-10.8	-52.9

¹Rank based on number of deaths; see "Technical notes."

Table 28. Number of deaths under 1 year and mortality rates for the 10 leading causes of infant death, by race: United States, 1993

[Rates per 100,000 live births]

Rank ¹	Cause of death (Ninth Revision, International Classification of Diseases, 1975)	Number	Rate
All races ²			
...	All causes	33,466	836.6
1	Congenital anomalies740-759	7,129	178.2
2	Sudden infant death syndrome798.0	4,669	116.7
3	Disorders relating to short gestation and unspecified low birthweight765	4,310	107.7
4	Respiratory distress syndrome769	1,815	45.4
5	Newborn affected by maternal complications of pregnancy761	1,343	33.6
6	Newborn affected by complications of placenta, cord, and membranes762	994	24.8
7	Accidents and adverse effectsE800-E949	898	22.4
8	Infections specific to the perinatal period771	772	19.3
9	Intrauterine hypoxia and birth asphyxia768	549	13.7
10	Pneumonia and influenza480-487	530	13.2
...	All other causesResidual	10,457	261.4
White			
...	All causes	21,497	682.5
1	Congenital anomalies740-759	5,449	173.0
2	Sudden infant death syndrome798.0	3,056	97.0
3	Disorders relating to short gestation and unspecified low birthweight765	2,202	69.9
4	Respiratory distress syndrome769	1,098	34.9
5	Newborn affected by maternal complications of pregnancy761	869	27.6
6	Newborn affected by complications of placenta, cord, and membranes762	649	20.6
7	Accidents and adverse effectsE800-E949	599	19.0
8	Infections specific to the perinatal period771	481	15.3
9	Intrauterine hypoxia and birth asphyxia768	371	11.8
10	Pneumonia and influenza480-487	323	10.3
...	All other causesResidual	6,400	203.2
Black			
...	All causes	10,887	1,652.4
1	Disorders relating to short gestation and unspecified low birthweight765	2,021	306.7
2	Sudden infant death syndrome798.0	1,442	218.9
3	Congenital anomalies740-759	1,403	212.9
4	Respiratory distress syndrome769	686	104.1
5	Newborn affected by maternal complications of pregnancy761	452	68.6
6	Newborn affected by complications of placenta, cord, and membranes762	315	47.8
7	Infections specific to the perinatal period771	272	41.3
8	Accidents and adverse effectsE800-E949	259	39.3
9	Pneumonia and influenza480-487	176	26.7
10	Intrauterine hypoxia and birth asphyxia768	158	24.0
...	All other causesResidual	3,703	562.0

¹Rank based on number of deaths; see "Technical notes."

²Includes races other than white and black.

Table 29. Number of deaths under 1 year and infant mortality rates for 61 selected causes, by race: United States, 1993

[Rates per 100,000 live births in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	All races ¹			All races ¹		
	White	Black		White	Black	
	Number			Rate		
All causes	33,466	21,497	10,887	836.6	682.5	1,652.4
Certain intestinal infections008-009	133	60	68	3.3	1.9	10.3
Whooping cough.033	7	5	1	*	*	*
Meningococcal infection036	46	37	8	1.1	1.2	*
Septicemia038	233	146	82	5.8	4.6	12.4
Viral diseases.045-079	116	74	35	2.9	2.3	5.3
Congenital syphilis.090	12	3	9	*	*	*
Remainder of infectious and parasitic diseases001,007,010-032,034-035,037,039-041,*042-*044,080-088,091-139	223	107	110	5.6	3.4	16.7
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140-208	88	69	15	2.2	2.2	*
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature210-239	61	49	9	1.5	1.6	*
Diseases of thymus gland.254	2	1	1	*	*	*
Cystic fibrosis.277.0	7	5	2	*	*	*
Diseases of blood and blood-forming organs280-289	104	70	25	2.6	2.2	3.8
Meningitis320-322	107	57	49	2.7	1.8	7.4
Other diseases of nervous system and sense organs323-389	427	333	80	10.7	10.6	12.1
Acute upper respiratory infections460-465	51	41	9	1.3	1.3	*
Bronchitis and bronchiolitis.466,490-491	116	75	38	2.9	2.4	5.8
Pneumonia and influenza480-487	530	323	176	13.2	10.3	26.7
Pneumonia480-486	520	317	173	13.0	10.1	26.3
Influenza487	10	6	3	*	*	*
Remainder of diseases of respiratory system470-478,492-519	356	201	142	8.9	6.4	21.6
Hernia of abdominal cavity and intestinal obstruction without mention of hernia550-553,560	69	49	18	1.7	1.6	*
Gastritis, duodenitis, and noninfective enteritis and colitis.535,555-558	81	45	33	2.0	1.4	5.0
Remainder of diseases of digestive system520-534,536-543,562-579	194	128	62	4.8	4.1	9.4
Congenital anomalies740-759	7,129	5,449	1,403	178.2	173.0	212.9
Anencephalus and similar anomalies740	358	302	38	8.9	9.6	5.8
Spina bifida.741	63	57	5	1.6	1.8	*
Congenital hydrocephalus.742.3	146	107	34	3.6	3.4	5.2
Other congenital anomalies of central nervous system and eye742.0-742.2,742.4-742.9,743	333	252	69	8.3	8.0	10.5
Congenital anomalies of heart745-746	2,219	1,715	426	55.5	54.4	64.7
Other congenital anomalies of circulatory system747	417	301	96	10.4	9.6	14.6
Congenital anomalies of respiratory system748	986	729	229	24.6	23.1	34.8
Congenital anomalies of digestive system749-751	91	65	21	2.3	2.1	3.2
Congenital anomalies of genitourinary system752-753	438	346	78	10.9	11.0	11.8
Congenital anomalies of musculoskeletal system754-756	480	369	94	12.0	11.7	14.3
Down's syndrome.758.0	125	98	19	3.1	3.1	*
Other chromosomal anomalies758.1-758.9	860	646	171	21.5	20.5	26.0
All other and unspecified congenital anomalies744,757,759	613	462	123	15.3	14.7	18.7
Certain conditions originating in the perinatal period760-779	14,946	8,732	5,844	373.6	277.2	887.0
Newborn affected by maternal conditions which may be unrelated to present pregnancy.760	188	90	90	4.7	2.9	13.7
Newborn affected by maternal complications of pregnancy.761	1,343	869	452	33.6	27.6	68.6
Newborn affected by complications of placenta, cord, and membranes762	994	649	315	24.8	20.6	47.8
Newborn affected by other complications of labor and delivery763	105	64	38	2.6	2.0	5.8
Slow fetal growth and fetal malnutrition.764	25	14	10	0.6	*	*
Disorders relating to short gestation and unspecified low birthweight765	4,310	2,202	2,021	107.7	69.9	306.7
Disorders relating to long gestation and high birthweight766	-	-	-	*	*	*
Birth trauma767	216	156	56	5.4	5.0	8.5
Intrauterine hypoxia and birth asphyxia768	549	371	158	13.7	11.8	24.0
Fetal distress in liveborn infant768.2-768.4	139	100	33	3.5	3.2	5.0
Birth asphyxia768.5-768.9	410	271	125	10.2	8.6	19.0
Respiratory distress syndrome769	1,815	1,098	686	45.4	34.9	104.1
Other respiratory conditions of newborn770	2,221	1,294	857	55.5	41.1	130.1
Infections specific to the perinatal period.771	772	481	272	19.3	15.3	41.3
Neonatal hemorrhage772	288	180	99	7.2	5.7	15.0
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice.773-774	33	24	8	0.8	0.8	*
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus775.0-775.1	9	7	2	*	*	*
Hemorrhagic disease of newborn776.0	3	3	-	*	*	*
All other and ill-defined conditions originating in the perinatal period.775.2-775.9,776.1-779	2,075	1,230	780	51.9	39.0	118.4
Symptoms, signs, and ill-defined conditions780-799	5,659	3,652	1,802	141.5	115.9	273.5
Sudden infant death syndrome.798.0	4,669	3,056	1,442	116.7	97.0	218.9
Symptoms, signs, and all other ill-defined conditions780-797,798.1-799	990	596	360	24.7	18.9	54.6

See footnotes at end of table.

Table 29. Number of deaths under 1 year and infant mortality rates for 61 selected causes, by race: United States, 1993—Con.

[Rates per 100,000 live births in specified group. For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

<i>Cause of death (Ninth Revision, International Classification of Diseases, 1975)</i>	<i>All races¹</i>	<i>White</i>	<i>Black</i>	<i>All races¹</i>	<i>White</i>	<i>Black</i>
Accidents and adverse effects.E800–E949	898	599	259	22.4	19.0	39.3
Inhalation and ingestion of food or other object						
causing obstruction of respiratory tract or suffocationE911–E912	86	56	24	2.1	1.8	3.6
Accidental mechanical suffocationE913	285	195	81	7.1	6.2	12.3
Other accidental causes and adverse effectsE800–E910,E914–E949	527	348	154	13.2	11.0	23.4
Homicide.E960–E969	344	198	132	8.6	6.3	20.0
Child battering and other maltreatmentE967	147	85	55	3.7	2.7	8.3
Other homicideE960–E966,E968–E969	197	113	77	4.9	3.6	11.7
All other causesResidual	1,527	989	475	38.2	31.4	72.1

¹Includes races other than white and black.

NOTE: Data for Human immunodeficiency virus infection, categories *042–*044 are shown in a separate table.

Hispanic deaths

► In 1993 Hispanic origin was reported on 86,935 death certificates from 49 States and the District of Columbia. Of these decedents, 54 percent were Mexican; 13 percent, Puerto Rican; 10 percent, Cuban; 8 percent, Central or South American; and 15 percent, Other and unknown Hispanic (table 30). (For details on reporting area, see “Technical notes.”)

► Leading causes of death for the Hispanic population, all ages, differed from

the non-Hispanic white population cause by rank (figure 10, table 31). Although heart disease and cancer were the two leading causes for both groups, they accounted for 58 percent of all deaths in 1993 for the non-Hispanic white population and for only 42 percent of the deaths for the Hispanic population.

► *Hispanic infant mortality*—The Hispanic infant mortality rate was 6.7 to 1,000 live Hispanic births. This rate was 1.5 percent lower than the non-Hispanic white infant mortality rate (table 32).

Among specified subgroups of the Hispanic population, the infant mortality rate was 6.8 per 1,000 live births for Mexican infants; 7.6, for Puerto Rican infants; and 5.4, for Cuban infants. Infant mortality rates by specified Hispanic origin and race for non-Hispanic origin may be somewhat understated. (For description of Hispanic reporting area, see “Technical notes.”)

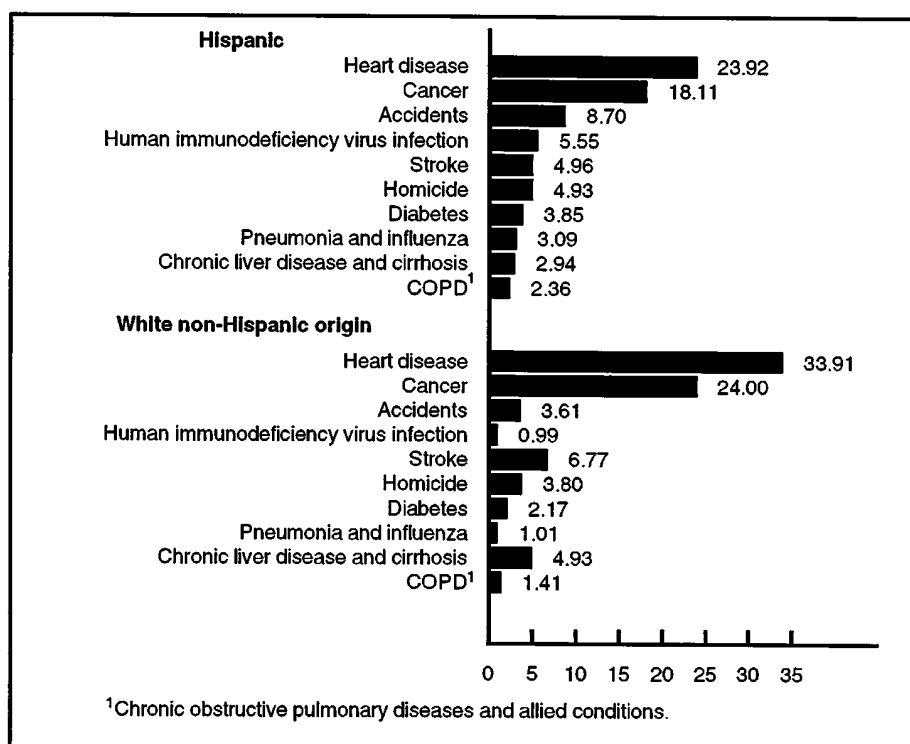


Figure 10. Ten leading causes of death and percent of total deaths, by Hispanic origin and white non-Hispanic origin: United States, 1993

Table 30. Deaths by age according to specified Hispanic origin, race for non-Hispanic origin, and sex: Total of 49 States and the District of Columbia, 1993

[For a listing of States, see "Technical notes"]

<i>Hispanic origin, race for non-Hispanic origin, and sex</i>	<i>Total</i>	<i>Under 1 year</i>	<i>1-4 years</i>	<i>5-14 years</i>	<i>15-24 years</i>	<i>25-34 years</i>	<i>35-44 years</i>	<i>45-54 years</i>	<i>55-64 years</i>	<i>65-74 years</i>	<i>75-84 years</i>	<i>85 years and over</i>	<i>Not stated</i>
All origins	2,236,131	33,057	6,959	8,520	34,966	58,914	94,838	129,999	238,072	481,072	629,063	520,186	485
Male	1,145,300	18,731	3,927	5,127	26,548	43,159	65,622	82,324	144,748	275,664	309,095	170,014	341
Female	1,090,831	14,326	3,032	3,393	8,418	15,755	29,216	47,675	93,324	205,408	319,968	350,172	144
Hispanic	86,935	4,401	976	1,057	4,844	7,171	8,181	7,300	10,543	15,432	15,329	11,629	72
Male	52,177	2,457	535	655	3,992	5,731	6,224	4,951	6,519	8,748	7,556	4,746	63
Female	34,758	1,944	441	402	852	1,440	1,957	2,349	4,024	6,684	7,773	6,883	9
Mexican	47,088	2,994	667	691	3,233	3,784	3,857	3,746	5,759	8,552	7,835	5,934	36
Male	28,650	1,666	369	426	2,698	3,125	2,958	2,482	3,522	4,852	3,983	2,535	34
Female	18,438	1,328	298	265	535	659	899	1,264	2,237	3,700	3,852	3,399	2
Puerto Rican	11,334	443	103	129	469	1,181	1,734	1,392	1,539	1,852	1,544	946	2
Male	6,982	250	48	80	357	873	1,292	995	983	1,066	703	333	2
Female	4,352	193	55	49	112	308	442	397	556	786	841	613	-
Cuban	8,756	64	16	22	85	257	437	475	1,081	1,802	2,504	2,010	3
Male	4,870	34	8	14	63	210	378	359	725	1,089	1,225	762	3
Female	3,886	30	8	8	22	47	59	116	356	713	1,279	1,248	-
Central and South American	6,563	292	82	88	482	893	943	686	735	934	885	540	3
Male	3,859	151	49	52	409	726	697	438	391	426	337	181	2
Female	2,704	141	33	36	73	167	246	248	344	508	548	359	1
Other and unknown Hispanic	13,194	608	108	127	575	1,056	1,210	1,001	1,429	2,292	2,561	2,199	28
Male	7,816	356	61	83	465	797	899	677	898	1,315	1,308	935	22
Female	5,378	252	47	44	110	259	311	324	531	977	1,253	1,264	6
Non-Hispanic ¹	2,123,220	27,946	5,920	7,375	29,788	50,807	84,960	120,787	224,713	460,672	607,126	502,896	230
Male	1,079,354	15,879	3,361	4,419	22,298	36,730	58,137	76,070	136,465	264,007	298,432	163,417	139
Female	1,043,866	12,067	2,559	2,956	7,490	14,077	26,823	44,717	88,248	196,665	308,694	339,479	91
White	1,815,608	16,492	3,719	5,106	19,111	33,809	58,595	91,779	182,603	397,418	544,898	461,966	112
Male	911,188	9,430	2,156	3,087	13,872	24,841	40,670	58,093	111,836	229,455	268,924	148,754	70
Female	904,420	7,062	1,563	2,019	5,239	8,968	17,925	33,686	70,767	167,963	275,974	313,212	42
Black	274,696	10,462	1,927	1,937	9,479	15,463	24,126	26,170	37,613	56,539	54,889	35,981	110
Male	149,338	5,875	1,061	1,135	7,557	10,818	16,052	16,310	22,101	30,699	25,355	12,312	63
Female	125,358	4,587	866	802	1,922	4,645	8,074	9,860	15,512	25,840	29,534	23,669	47
Not stated ²	25,976	710	63	88	334	936	1,697	1,912	2,816	4,968	6,608	5,661	183
Male	13,769	395	31	53	258	698	1,261	1,303	1,764	2,909	3,107	1,851	139
Female	12,207	315	32	35	76	238	436	609	1,052	2,059	3,501	3,810	44

¹Includes races other than white and black.
²Includes deaths that occurred in States that did not report Hispanic origin on the death certificate.

Table 31. Number of deaths for the 10 leading causes of death for Hispanic and white non-Hispanic origin for specified age groups: Total of 49 reporting States and the District of Columbia, 1993

[For explanation of asterisks preceding cause-of-death categories, see "Technical notes." For a listing of reporting States, see "Technical notes"]

<i>Hispanic</i>			<i>White non-Hispanic</i>		
<i>Rank¹</i>	<i>Cause of death and age (Ninth Revision, International Classification of Diseases, 1975)</i>	<i>Number</i>	<i>Rank¹</i>	<i>Cause of death and age (Ninth Revision, International Classification of Diseases, 1975)</i>	<i>Number</i>
Hispanic origin, all ages ²			White non-Hispanic origin, all ages ²		
...	All causes	86,935	...	All causes	1,815,608
1	Diseases of heart390–398,402,404–429	20,794	1	Diseases of heart390–398,402,404–429	615,708
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140–208	15,740	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140–208	435,673
3	Accidents and adverse effectsE800–E949	7,564	3	Cerebrovascular diseases430–438	122,902
...	Motor vehicle accidentsE810–E825	4,134	4	Chronic obstructive pulmonary diseases and allied conditions490–496	89,492
...	All other accidents and adverse effectsE800–E807,E826–E949	3,430	5	Pneumonia and influenza480–487	68,975
4	Human immunodeficiency virus infection . . .042–*044	4,829	6	Accidents and adverse effectsE800–E949	65,571
5	Cerebrovascular diseases430–438	4,316	...	Motor vehicle accidentsE810–E825	30,164
6	Homicide and legal interventionE960–E978	4,283	...	All other accidents and adverse effectsE800–E807,E826–E949	35,407
7	Diabetes mellitus250	3,343	7	Diabetes mellitus250	39,308
8	Pneumonia and influenza480–487	2,683	8	SuicideE950–E959	25,583
9	Chronic liver disease and cirrhosis571	2,554	9	Chronic liver disease and cirrhosis571	18,328
10	Chronic obstructive pulmonary diseases and allied conditions490–496	2,050	10	Human immunodeficiency virus infection . . .042–*044	17,931
...	All other causesResidual	18,779	...	All other causesResidual	316,137
Hispanic origin, 1–4 years			White non-Hispanic origin, 1–4 years		
...	All causes	976	...	All causes	3,719
1	Accidents and adverse effectsE800–E949	362	1	Accidents and adverse effectsE800–E949	1,428
...	Motor vehicle accidentsE810–E825	164	...	Motor vehicle accidentsE810–E825	460
...	All other accidents and adverse effectsE800–E807,E826–E949	198	...	All other accidents and adverse effectsE800–E807,E826–E949	968
2	Congenital anomalies740–759	109	2	Congenital anomalies740–759	471
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140–208	67	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140–208	345
4	Homicide and legal interventionE960–E978	61	4	Homicide and legal interventionE960–E978	159
5	Diseases of heart390–398,402,404–429	38	5	Diseases of heart390–398,402,404–429	145
6	Pneumonia and influenza480–487	35	6	Pneumonia and influenza480–487	80
7	Human immunodeficiency virus infection . . .042–*044	34	7	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature210–239	54
8	Certain conditions originating in the perinatal period760–779	18	8	Septicemia038	51
9	Septicemia038	14	9	Human immunodeficiency virus infection*042–*044	38
10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature210–239	12	10	Certain conditions originating in the perinatal period760–779	36
...	All other causesResidual	226	...	All other causesResidual	912
Hispanic origin, 5–14 years			White non-Hispanic origin, 5–14 years		
...	All causes	1,057	...	All causes	5,106
1	Accidents and adverse effectsE800–E949	371	1	Accidents and adverse effectsE800–E949	2,096
...	Motor vehicle accidentsE810–E825	217	...	Motor vehicle accidentsE810–E825	1,254
...	All other accidents and adverse effectsE800–E807,E826–E949	154	...	All other accidents and adverse effectsE800–E807,E826–E949	842
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140–208	149	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140–208	730
3	Homicide and legal interventionE960–E978	111	3	Congenital anomalies740–759	321
4	Congenital anomalies740–759	62	4	Homicide and legal interventionE960–E978	227
5	SuicideE950–E959	41	5	SuicideE950–E959	215
6	Diseases of heart390–398,402,404–429	29	6	Diseases of heart390–398,402,404–429	176
7	Human immunodeficiency virus infection . . .042–*044	28	7	Pneumonia and influenza480–487	85
8	Pneumonia and influenza480–487	23	8	Chronic obstructive pulmonary diseases and allied conditions490–496	50
8	Chronic obstructive pulmonary diseases and allied conditions490–496	23	9	Human immunodeficiency virus infection*042–*044	46
10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature210–239	12	10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature210–239	40
...	All other causesResidual	208	...	All other causesResidual	1,120

Table 31. Number of deaths for the 10 leading causes of death for Hispanic and white non-Hispanic origin for specified age groups: Total of 49 reporting States and the District of Columbia, 1993—Con.

[For explanation of asterisks preceding cause-of-death categories, see "Technical notes." For a listing of reporting States, see "Technical notes"]

<i>Hispanic</i>			<i>White non-Hispanic</i>		
<i>Rank¹</i>	<i>Cause of death and age (Ninth Revision, International Classification of Diseases, 1975)</i>	<i>Number</i>	<i>Rank¹</i>	<i>Cause of death and age (Ninth Revision, International Classification of Diseases, 1975)</i>	<i>Number</i>
Hispanic origin, 15–24 years			White non-Hispanic origin, 15–24 years		
...	All causes	4,844	...	All causes	19,111
1	Accidents and adverse effectsE800–E949	1,692	1	Accidents and adverse effectsE800–E949	9,599
...	Motor vehicle accidentsE810–E825	1,248	...	Motor vehicle accidentsE810–E825	7,448
...	All other accidents and adverse effectsE800–E807,E826–E949	444	...	All other accidents and adverse effectsE800–E807,E826–E949	2,151
2	Homicide and legal interventionE960–E978	1,672	2	SuicideE950–E959	3,456
3	SuicideE950–E959	492	3	Homicide and legal interventionE960–E978	1,410
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140–208	205	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140–208	1,128
5	Diseases of heart390–398,402,404–429	91	5	Diseases of heart390–398,402,404–429	529
6	Human immunodeficiency virus infection . . . *042–*044	89	6	Congenital anomalies740–759	322
7	Congenital anomalies740–759	48	7	Human immunodeficiency virus infection*042–*044	190
8	Cerebrovascular diseases430–438	34	8	Pneumonia and influenza480–487	137
9	Chronic obstructive pulmonary diseases and allied conditions490–496	26	9	Cerebrovascular diseases430–438	124
10	Pneumonia and influenza480–487	21	10	Chronic obstructive pulmonary diseases and allied conditions490–496	90
...	All other causesResidual	474	...	All other causesResidual	2,126
Hispanic origin, 25–44 years			White non-Hispanic origin, 25–44 years		
...	All causes	15,352	...	All causes	92,404
1	Human immunodeficiency virus infection . . . *042–*044	3,632	1	Accidents and adverse effectsE800–E949	18,201
2	Accidents and adverse effectsE800–E949	3,178	...	Motor vehicle accidentsE810–E825	9,890
...	Motor vehicle accidentsE810–E825	1,648	...	All other accidents and adverse effectsE800–E807,E826–E949	8,311
...	All other accidents and adverse effectsE800–E807,E826–E949	1,530	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140–208	15,376
3	Homicide and legal interventionE960–E978	1,935	3	Human immunodeficiency virus infection*042–*044	12,974
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140–208	1,423	4	Diseases of heart390–398,402,404–429	10,514
5	Diseases of heart390–398,402,404–429	895	5	SuicideE950–E959	9,919
6	SuicideE950–E959	819	6	Homicide and legal interventionE960–E978	3,578
7	Chronic liver disease and cirrhosis571	590	7	Chronic liver disease and cirrhosis571	2,689
8	Cerebrovascular diseases430–438	337	8	Cerebrovascular diseases430–438	1,739
9	Pneumonia and influenza480–487	212	9	Diabetes mellitus250	1,470
10	Diabetes mellitus250	156	10	Pneumonia and influenza480–487	1,223
...	All other causesResidual	2,175	...	All other causesResidual	14,721
Hispanic origin, 45–64 years			White non-Hispanic origin, 45–64 years		
...	All causes	17,843	...	All causes	274,382
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140–208	4,778	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140–208	103,729
2	Diseases of heart390–398,402,404–429	4,219	2	Diseases of heart390–398,402,404–429	77,325
3	Chronic liver disease and cirrhosis571	1,220	3	Chronic obstructive pulmonary diseases and allied conditions490–496	10,988
4	Accidents and adverse effectsE800–E949	1,021	4	Accidents and adverse effectsE800–E949	10,332
...	Motor vehicle accidentsE810–E825	512	...	Motor vehicle accidentsE810–E825	4,928
...	All other accidents and adverse effectsE800–E807,E826–E949	509	...	All other accidents and adverse effectsE800–E807,E826–E949	5,404
5	Human immunodeficiency virus infection . . . *042–*044	972	5	Cerebrovascular diseases430–438	9,302
6	Diabetes mellitus250	907	6	Chronic liver disease and cirrhosis571	7,093
7	Cerebrovascular diseases430–438	886	7	Diabetes mellitus250	6,902
8	Homicide and legal interventionE960–E978	371	8	SuicideE950–E959	6,318
9	Pneumonia and influenza480–487	333	9	Human immunodeficiency virus infection . . . *042–*044	4,351
10	Chronic obstructive pulmonary diseases and allied conditions490–496	281	10	Pneumonia and influenza480–487	3,785
...	All other causesResidual	2,855	...	All other causesResidual	34,257

Table 31. Number of deaths for the 10 leading causes of death for Hispanic and white non-Hispanic origin for specified age groups: Total of 49 reporting States and the District of Columbia, 1993—Con.

[For explanation of asterisks preceding cause-of-death categories, see "Technical notes." For a listing of reporting States, see "Technical notes"]

<i>Hispanic</i>			<i>White non-Hispanic</i>		
<i>Rank¹</i>	<i>Cause of death and age (Ninth Revision, International Classification of Diseases, 1975)</i>	<i>Number</i>	<i>Rank¹</i>	<i>Cause of death and age (Ninth Revision, International Classification of Diseases, 1975)</i>	<i>Number</i>
Hispanic origin, 65 years and over			White non-Hispanic origin, 65 years and over		
...	All causes	42,390	...	All causes	1,404,282
1	Diseases of heart390–398,402,404–429	15,431	1	Diseases of heart390–398,402,404–429	526,671
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140–208	9,102	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues140–208	314,307
3	Cerebrovascular diseases430–438	3,011	3	Cerebrovascular diseases430–438	111,546
4	Diabetes mellitus250	2,267	4	Chronic obstructive pulmonary diseases and allied conditions490–496	77,774
5	Pneumonia and influenza.480–487	1,962	5	Pneumonia and influenza.480–487	63,445
6	Chronic obstructive pulmonary diseases and allied conditions490–496	1,636	6	Diabetes mellitus250	30,848
7	Accidents and adverse effects.E800–E949	770	7	Accidents and adverse effects.E800–E949	23,443
...	Motor vehicle accidentsE810–E825	294	...	Motor vehicle accidentsE810–E825	6,087
...	All other accidents and adverse effects.E800–E807,E826–E949	476	...	All other accidents and adverse effects.E800–E807,E826–E949	17,356
8	Chronic liver disease and cirrhosis571	729	8	Nephritis, nephrotic syndrome, and nephrosis580–589	15,595
9	Nephritis, nephrotic syndrome, and nephrosis580–589	580	9	Atherosclerosis440	14,478
10	Septicemia.038	463	10	Septicemia.038	13,375
...	All other causesResidual	6,439	...	All other causesResidual	212,800

¹Rank based on number of deaths; see "Technical notes."

²Includes deaths under 1 year of age.

Table 32. Number of infant, neonatal, and postneonatal deaths and mortality rates, by specified Hispanic origin and race for non-Hispanic origin: Total of 49 States and the District of Columbia, 1993

[Rates per 1,000 live births in specified group. Number of live births based on race and Hispanic origin of mother; see "Technical notes." For a listing of States, see "Technical notes"]

Age	All origins	Hispanic					Non-Hispanic			Not stated ³
		Total	Mexican	Puerto Rican	Cuban	Other Hispanic ¹	Total ²	White	Black	
Number										
Under 1 year	33,057	4,401	2,994	443	64	900	27,946	16,492	10,462	710
Under 28 days	20,966	2,680	1,838	270	39	533	17,695	10,404	6,723	591
28 days–11 months	12,091	1,721	1,156	173	25	367	10,251	6,088	3,739	119
Rate										
Under 1 year ⁴	8.4	6.7	6.8	7.6	5.4	6.4	8.6	6.8	16.4	...
Under 28 days ⁴	5.3	4.1	4.2	4.7	3.3	3.8	5.4	4.3	10.6	...
28 days–11 months ⁴	3.1	2.6	2.6	3.0	2.1	2.6	3.2	2.5	5.9	...

¹Includes Central and South American and other and unknown Hispanic.
²Includes races other than white and black.
³Includes infant deaths that occurred in States that did not report Hispanic origin on the death certificate.
⁴Figures for origin not stated included in "All origins" but not distributed among origin groups.

Additional tables

Tables 33–35 present additional data on demographic characteristics not discussed in the text.

Table 33. Number of deaths and percent distribution of deaths for ages 15 years and over, by marital status, race, and sex: United States, 1993

Marital status	All races			White			Total			All other		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Number ¹												
Total	2,218,856	1,133,285	1,085,571	1,918,498	969,282	949,216	300,358	164,003	136,355	267,156	145,044	122,112
Never married	243,147	153,158	89,989	184,079	112,089	71,990	59,068	41,069	17,999	54,634	37,800	16,834
Ever married	1,965,703	972,930	992,773	1,727,672	852,364	875,308	238,031	120,566	117,465	209,418	104,993	104,425
Married	937,638	655,213	282,425	829,934	580,941	248,993	107,704	74,272	33,432	91,080	62,785	28,295
Widowed	827,602	203,803	623,799	731,245	177,402	553,843	96,357	26,401	69,956	86,912	23,823	63,089
Divorced	200,463	113,914	86,549	166,493	94,021	72,472	33,970	19,893	14,077	31,426	18,385	13,041
Not stated	10,006	7,197	2,809	6,747	4,829	1,918	3,259	2,368	891	3,104	2,251	853
Percent distribution ²												
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Never married	11.0	13.6	8.3	9.6	11.6	7.6	19.9	25.4	13.3	20.7	26.5	13.9
Ever married	89.0	86.4	91.7	90.4	88.4	92.4	80.1	74.6	86.7	79.3	73.5	86.1
Married	42.4	58.2	26.1	43.4	60.2	26.3	36.3	46.0	24.7	34.5	44.0	23.3
Widowed	37.5	18.1	57.6	38.3	18.4	58.5	32.4	16.3	51.6	32.9	16.7	52.0
Divorced	9.1	10.1	8.0	8.7	9.7	7.7	11.4	12.3	10.4	11.9	12.9	10.8

¹Excludes figures for age not stated.

²Denominators of percent distribution exclude deaths of persons of unknown marital status.

Table 34. Number of deaths and percent distribution of deaths for ages 15 years and over, by educational attainment, race, and sex: Total of 44 reporting States and the District of Columbia, 1993

Years of school completed	All races			White			Total			All other		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Number ¹												
Total	1,892,195	968,258	923,937	1,640,647	830,385	810,262	251,548	137,873	113,675	222,408	121,216	101,192
0–8 years	446,120	221,132	224,988	374,654	183,826	190,828	71,466	37,306	34,160	62,970	33,287	29,683
9–11 years	249,148	134,305	114,843	205,720	109,723	95,997	43,428	24,582	18,846	40,321	22,687	17,634
12 years	672,582	330,273	342,309	597,164	287,908	309,256	75,418	42,365	33,053	66,845	37,281	29,564
13–15 years	217,073	110,030	107,043	195,833	98,324	97,509	21,240	11,706	9,534	18,130	9,835	8,295
16 years or more	196,891	117,676	79,215	181,324	109,059	72,265	15,567	8,617	6,950	11,573	5,845	5,728
Not stated	110,381	54,842	55,539	85,952	41,545	44,407	24,429	13,297	11,132	22,569	12,281	10,288
Percent distribution ²												
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0–8 years	25.0	24.2	25.9	24.1	23.3	24.9	31.5	29.9	33.3	31.5	30.6	32.7
9–11 years	14.0	14.7	13.2	13.2	13.9	12.5	19.1	19.7	18.4	20.2	20.8	19.4
12 years	37.7	36.2	39.4	38.4	36.5	40.4	33.2	34.0	32.2	33.4	34.2	32.5
13–15 years	12.2	12.0	12.3	12.6	12.5	12.7	9.4	9.4	9.3	9.1	9.0	9.1
16 years or more	11.1	12.9	9.1	11.7	13.8	9.4	6.9	6.9	6.8	5.8	5.4	6.3

¹Excludes figures for age not stated.

²Denominators of percent distribution exclude deaths of persons of unknown educational attainment.

Table 35. Number of autopsies and percent of deaths for which autopsies were reported for 10 leading causes of death: United States, 1993

[For explanation of asterisks preceding cause-of-death categories, see "Technical notes"]

Rank ¹	Cause of death (Ninth Revision, International Classification of Diseases, 1975)	Total deaths	Reported autopsy	
			Number	Percent
...	All causes	2,268,553	220,620	9.7
1	Diseases of heart390-398,402,404-429	743,460	49,483	6.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . 140-208	529,904	13,206	2.5
3	Cerebrovascular diseases430-438	150,108	4,588	3.1
4	Chronic obstructive pulmonary diseases and allied conditions490-496	101,077	3,299	3.3
5	Accidents and adverse effectsE800-E949	90,523	43,796	48.4
...	Motor vehicle accidentsE810-E825	41,893	20,647	49.3
...	All other accidents and adverse effectsE800-E807,E826-E949	48,630	23,149	47.6
6	Pneumonia and influenza480-487	82,820	4,976	6.0
7	Diabetes mellitus250	53,894	1,969	3.7
8	Human immunodeficiency virus infection*042-*044	37,267	2,711	7.3
9	SuicideE950-E959	31,102	17,013	54.7
10	Homicide and legal interventionE960-E978	26,009	25,313	97.3
...	All other causesResidual	422,389	54,266	12.8

¹Rank based on number of deaths; see "Technical notes."

References

1. Public Health Service. Healthy People 2000: National health promotion and disease prevention objectives—full report, with commentary. Washington, DC: U.S. Department of Health and Human Services, Public Health Service, 1991; DHHS publication no. (PHS)91-50212.
2. National Center for Health Statistics. Annual summary of births, marriages, divorces, and deaths: United States, 1993. Monthly vital statistics report; vol 42 no 13. Hyattsville, Maryland: Public Health Service. 1994.
3. Centers for Disease Control and Prevention. Morbidity and mortality weekly report; vol 43 no 10. Washington: Public Health Service. 1994.
4. National Center for Health Statistics. Advance report of final mortality statistics, 1980. Monthly vital statistics report; vol 32 no 4. Hyattsville, Maryland: Public Health Service. 1983.
5. Kochanek KD, Maurer JD, Rosenberg HM. Causes of death contributing to changes in life expectancy: United States, 1984-89. National Center for Health Statistics. Vital Health Stat 20 (23). 1994.
6. Kochanek KD, Hudson BL. Advance report of final mortality statistics, 1992. Monthly vital statistics report; vol 43 no 6, supp. Hyattsville, Maryland: National Center for Health Statistics. 1995.
7. Hoyert DL. Mortality trends for Alzheimer's disease, 1979-91. National Center for Health Statistics. (In preparation).
8. Tolson GC, Barnes JM, Gay GA, Kowaleski JL. The 1989 revision of the U.S. standard certificates and reports. National Center for Health Statistics. Vital Health Stat 4(28). 1991.
9. National Center for Health Statistics. Technical appendix. Vital statistics of the United States, 1989, vol II, mortality, part A. Washington: Public Health Service. 1993.
10. U.S. Bureau of the Census. Unpublished data from the 1990 census for persons of Spanish origin by State.
11. Hambright, TZ. Comparability of marital status, race, nativity, and country of origin on the death certificate and matching census record: United States, May-Aug 1960. National Center for Health Statistics. Vital Health Stat 2(32). 1969.
12. Sorlie PD, Rogot E, Johnson NJ. Validity of demographic characteristics on the death certificate. *Epidemiology* 3(2):181-4. 1992.
13. Poe GS, Powell-Griner E, McLaughlin JK, et al. Comparability of the death certificate and the 1986 national mortality followback survey. National Center for Health Statistics. Vital Health Stat 2 (118). 1993.
14. National Center for Health Statistics. Technical appendix. Vital statistics of the United States, 1989, vol I, natality. Washington: Public Health Service. 1992.
15. Hoyert DL. Effect on mortality rates of the 1989 changes in tabulating race. National Center for Health Statistics. Vital Health Stat 20(25). 1994.
16. World Health Organization. Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, based on the recommendations of the Ninth Revision Conference, 1975. Geneva: World Health Organization. 1977.
17. Klebba AJ, Scott JH. Estimates of selected comparability ratios based on dual coding of 1976 death certificates by the Eighth and Ninth Revisions of the International Classification of Diseases. Monthly vital statistics report; vol 28 no 11, supp. Hyattsville, Maryland: Public Health Service. 1980.
18. Klebba AJ, Dolman AB. Comparability of mortality statistics for the Seventh and Eighth Revisions of the International Classification of Diseases, United States. National Center for Health Statistics. Vital Health Stat 2(66). 1975.
19. National Center for Health Statistics. Comparability of mortality statistics for the Sixth and Seventh Revisions, United States, 1958. Vital Statistics—Special reports; vol 51 no 4. Washington: Public Health Service. 1965.
20. National Center for Health Statistics. Vital statistics, instructions for classifying the underlying cause of death. NCHS instruction manual; part 2a. Hyattsville, Maryland: Public Health Service. Published annually.
21. National Center for Health Statistics. Vital statistics, instructions for classifying multiple causes of death. NCHS instruction manual; part 2b. Hyattsville, Maryland: Public Health Service. Published annually.
22. National Center for Health Statistics. Vital statistics, nonindexed terms, standard abbreviations, and State geographic codes used in mortality data classification. NCHS instruction manual; part 2e. Hyattsville, Maryland: Public Health Service. Published annually.
23. National Center for Health Statistics. Vital statistics, ICD-9 ACME decision tables for classifying underlying causes of death. NCHS instruction manual; part 2c. Hyattsville, Maryland: Public Health Service. Published annually.
24. National Center for Health Statistics. Vital statistics, data entry instructions for the mortality medical indexing, classification, and retrieval system (MICAR). NCHS instruction manual; part 2g. Hyattsville, Maryland: Public Health Service. Published annually.
25. National Center for Health Statistics. Vital statistics, dictionary of valid terms for the mortality medical indexing, classification, and retrieval system (MICAR). NCHS instruction manual; part 2h. Hyattsville, Maryland: Public Health Service. Published annually.
26. Lampe TH. The nature of Alzheimer's disease. Alzheimer's caregiver: Strategies for support. Seattle: University of Washington Press. 1987.
27. Macera CA, Sun RK, Yeager KK, Brandes DA. Sensitivity and specificity of death certificate diagnoses for dementing illnesses, 1988-90. *J Am Geriatr Soc.* 40:479-81. 1992.
28. Newen AJ, Forster DP, Kay DWK. Death certification after a diagnosis of presenile dementia. *J Epidemiol Community Health.* 47:293-7. 1993.
29. U.S. Bureau of the Census. U.S. population estimates, by age, sex, race, and Hispanic origin: 1993. Census file RESP0793. 1995.
30. U.S. Bureau of the Census. Unpublished estimates for 1993, by State.
31. National Center for Health Statistics. Technical appendix. Vital statistics of the United States, 1990, vol II, mortality, part A. Washington: Public Health Service. 1994.
32. Sirken MG. Comparison of two methods of constructing abridged life tables by reference to a "standard" table. National Center for Health Statistics. Vital Health Stat 2(4). 1966.
33. Arriaga EE. Changing trends in mortality decline during the last decades. In: Ruzicka L, Wunsch G, Kane P, eds. *Differential mortality: Methodological issues and biosocial factors.* Oxford: Clarendon Press. 1989.
34. Feinleib M, Zarate AO, eds. Reconsidering age adjustment proceedings. National Center for Health Statistics. Vital Health Stat 4(29). 1992.
35. Grove RD, Hetzel AM. Vital statistics rates in the United States 1940-1960. National Center for Health Statistics. Washington: Public Health Service. 1968.

Symbols

- - - Data not available
 - . . . Category not applicable
 - Quantity zero
 - 0.0 Quantity more than zero but less than 0.05
 - * Figure does not meet standard of reliability or precision (estimate is based on fewer than 20 deaths in numerator or denominator)
-

ICD-9 titles and category numbers

<i>Cause of death</i>	<i>ICD-9 title</i>	<i>ICD-9 categories</i>
accidents	Accidents and adverse effects	E800-E949
accidental mechanical suffocation	Accidental mechanical suffocation	E913
Alzheimer's	Alzheimer's disease	331.0
anencephalus	Anencephalus and similar anomalies	740
cancer	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	140-208
child battering	Child battering and other maltreatment	E967
congenital anomalies	Congenital anomalies Congenital anomalies of the genitourinary system	740-759 752-753
congenital hydrocephalus	Congenital hydrocephalus	741
complications of labor and delivery	Newborn affected by other complications of labor and delivery	763
complications of placenta, cord, and membranes	Newborn affected by other complications of placenta, cord, and membranes	762
chronic respiratory diseases	Chronic obstructive pulmonary disease and allied conditions	490-496
diabetes	Diabetes mellitus	250
fetal distress	Fetal distress in liveborn infant	768.2-768.4
heart disease	Diseases of the heart	390-398, 402,404-429
HIV infection	Human immunodeficiency virus infection	*042-*044
homicide	Homicide and legal intervention	E960-978
liver disease	Chronic liver disease and cirrhosis	571
maternal causes	Complications of pregnancy, childbirth, and the puerperium	630-676
other respiratory conditions	Other respiratory conditions of newborn	770
perinatal conditions	Certain conditions originating in the perinatal period	760-779
pneumonia and influenza	Pneumonia and influenza	480-487
RDS	Respiratory distress syndrome	769
short gestation and low birthweight	Disorders relating to short gestation and unspecified low birthweight	765
SIDS	Sudden infant death syndrome	798.0
slow fetal growth and fetal malnutrition	Slow fetal growth and fetal malnutrition	764
stroke	Cerebrovascular diseases	430-438
suicide	Suicide	E950-E959

NOTE: For explanation of asterisks preceding categories, see "Technical notes."

Technical notes

Nature and sources of data

Data in this report are based on information from all death certificates filed in the 50 States and the District of Columbia. The U.S. Standard Certificate of Death was revised in 1989; for additional details see the 1989 revision of the U.S. standard certificates and reports (8) and Technical Appendix of *Vital Statistics of the United States 1989*, Volume II, Mortality, part A (9).

Mortality statistics are based on information coded by the States and provided to the NCHS through the Vital Statistics Cooperative Program (VSCP) and from copies of the original certificates received by NCHS from the State registration offices. In 1993 all the States and the District of Columbia participated in this program and submitted part or all of the mortality data for 1993 on computer tape to NCHS. The 37 States in the VSCP that submitted precoded medical data for all deaths on computer tapes are Alabama, Alaska, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Idaho, Indiana, Iowa, Kansas, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Montana, Nebraska, Nevada, New Hampshire, New York State (excluding New York City), North Carolina, North Dakota, Oregon, Pennsylvania, South Carolina, South Dakota, Texas, Vermont, Virginia, Washington, Wisconsin, and Wyoming. In 1993 Maine, Montana, North Dakota, and Wyoming contracted with a private company to provide precoded medical data to NCHS. Kansas continued to provide the medical data for Alaska. Iowa provided precoded medical data for Idaho. The remaining 13 VSCP States, New York City, and the District of Columbia submitted copies of the original certificates from which NCHS coded the medical data. For 1993 all States submitted precoded demographic data for all deaths.

Data for the entire United States refer to events occurring within the United States. Data shown for geographic areas are by place of residence. Beginning with 1970 mortality statistics

exclude deaths of nonresidents of the United States. All data exclude fetal deaths.

Race

Quality of race data—A number of studies have been conducted on the reliability of race reported on the death certificate by comparing race on the death certificate with that reported on another data collection instrument, such as the census or a survey. Differences may arise because of differences in who provides race information on the compared records. Race information on the death certificate is reported by the funeral director as provided by an informant or in the absence of an informant, on the basis of observation. In contrast, race on the census or on the Current Population Survey is self-reported and, therefore, may be considered more valid. A high level of agreement between the death certificate and the census or survey report is essential to assure unbiased death rates by race.

Results from several studies (10–13) show that a person self-reported as American Indian or Asian on census or survey records was sometimes reported as white on the death certificate. The net effect of misclassification is an underestimation of deaths and death rates for the smaller minority races.

Other races and race not stated—Beginning in 1992 all records coded as “Other races” (0.01 percent of the total deaths) were assigned to the specified race of the previous record. Records for which race was unknown, not stated, or not classifiable (0.26 percent of the total deaths) were assigned the racial designation of the previous record.

Infant and maternal mortality rates—Beginning with the 1989 data year, the method of tabulating live births by race was changed from race of child to race of mother. This change affects infant and maternal mortality rates because live births are the denominators of these rates. (For additional details see the Technical Appendix to *Vital Statistics of the United States, 1989*, Volume I, Natalty (14,15).)

For 1989–90, as in previous years, infant and maternal deaths continue to be tabulated by the race of the decedent.

Quantitatively, the change in the basis for tabulating live births by race results in more white births and fewer black births and births of other races. Consequently, infant and maternal mortality rates under the new tabulating procedure tend to be about 2 percent lower for white infants and about 5 percent higher for black infants than when they are computed by the previous method of tabulating live births by race of child. Rates for most other minority races also are higher when computed by race of mother (9,15).

Infant mortality rates for specified race may be biased because of inconsistencies in reporting race between the birth and death certificates for the same infant. Estimates of reporting bias have been made by comparing rates based on the linked files of infant deaths and live births with those in which the race of infant death is based on information from the death certificate (9).

Cause-of-death classification

The mortality statistics presented here were compiled in accordance with the World Health Organization (WHO) regulations, which specify that member nations classify causes of death by the current *Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death* (16). Causes of death for 1979–93 were classified according to the manual. For earlier years causes of death were classified according to the revisions then in use—1968–78, Eighth Revision; 1958–67, Seventh Revision; and 1949–57, Sixth Revision. Changes in classification of causes of death due to these revisions may result in discontinuities in cause-of-death trends. Consequently, cause-of-death comparisons among revisions require consideration of comparability ratios and, where available, estimates of their standard errors. Comparability ratios between the Eighth and Ninth Revisions, between the Seventh and Eighth Revisions, and

between the Sixth and Seventh Revisions may be found in other NCHS reports (17–19).

Besides specifying the classification, WHO regulations outline the form of medical certification and the procedures to be used in coding cause of death. Cause-of-death data presented in this publication were coded by procedures outlined in annual issues of the *NCHS Instructional Manual* (20–22).

Before data for 1968, mortality medical data were based on manual coding of an underlying cause of death for each certificate in accordance with WHO rules. Effective with data year 1968, NCHS converted to computerized coding of the underlying cause and manual coding of all causes (multiple causes) on the death certificate. In this system, called Automated Classification of Medical Entities (ACME) (23), the multiple cause codes serve as inputs to the computer software that employs WHO rules to select the underlying cause. Many States also have implemented ACME and provide multiple cause and underlying cause data to NCHS in electronic form.

Beginning with data year 1990, another computer system was implemented. This system, called Mortality Medical Indexing, Classification, and Retrieval (MICAR) (24,25), automates coding multiple causes of death. In addition, MICAR can provide more detailed information on the conditions reported on death certificates than is available through the International Classification of Diseases (ICD) code structure. For 1993 approximately 75 percent of the Nation's death records were multiple-cause coded using MICAR. In addition to the 8 States that implemented MICAR in 1991 and 1992, 20 States implemented MICAR beginning with 1993 data. NCHS continued to expand the use of MICAR to code most of the records from the 13 VSCP States, the District of Columbia, and New York City. The remainder of the national file was processed by either NCHS or the States using only the ACME system.

In this report tabulations of cause-of-death statistics are based solely on the underlying cause of death. The underlying cause is defined by WHO as the

disease or injury that initiated the sequence of events leading directly to death or as the circumstances of the accident or violence that produced the fatal injury. It is selected from the conditions entered by the physician in the cause-of-death section of the death certificate. When more than one cause or condition is entered by the physician, the underlying cause is determined by the sequence of conditions on the certificate, provisions of the ICD, and associated selection rules. Generally, more medical information is reported on death certificates than is directly reflected in the underlying cause of death.

Codes for HIV infection

Beginning with data for 1987, NCHS introduced categories *042–*044 for classifying and coding Human immunodeficiency virus (HIV) infection. The asterisks before the category numbers indicate that they are not part of the *Ninth Revision, International Classification of Diseases* (ICD–9). Deaths classified to HIV infection for 1990–93 are in table 9. They are included, but not shown separately, in the category “All other infectious and parasitic diseases” in the List of 72 Selected Causes of Death and in the category “Remainder of infectious and parasitic diseases” in the List of 61 Selected Causes of Infant Deaths. Before 1987 deaths involving HIV infection were classified to “Deficiency of cell-mediated immunity” (ICD–9 No. 279.1), contained in the category “All other diseases”; to “Pneumocystosis” (ICD–9 No. 136.3), contained in the category “All other infectious and parasitic diseases”; to “Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues”; and to a number of other causes. As a consequence, cause-of-death data beginning with 1987 are not strictly comparable with data for previous years.

Alzheimer's disease deaths

Alzheimer's disease is a progressively debilitating disease that falls within a class of disorders generally referred to as dementia. These disorders, characterized by cognitive and mental deterioration, may manifest in sudden or

progressive forms. Alzheimer's disease is the major type of progressive dementia within the class of disorders (26).

Alzheimer's mortality is believed to be underreported. Research shows that a substantial number of death certificates for persons diagnosed with dementia do not mention the condition (27,28). Underreporting is believed to be due to failure to report a condition considered to contribute to death, judgment that this condition did not contribute to death, or failure to diagnose the condition.

A separate category for Alzheimer's disease deaths (ICD–9 No. 331.0) was introduced in the ICD–9.

Codes for firearm deaths

Causes of death attributable to firearm mortality include ICD–9 No. E922, Accident caused by firearm missile; Nos. E955.0–E955.4, Suicide and self-inflicted injury by firearms; E965.0–E965.4 and E970, Assault by firearms and legal intervention; and E985.0–E985.4, Injury by firearms, undetermined whether accidentally or purposely inflicted. Injury by firearm causes exclude explosives and other causes indirectly related to firearms.

Codes for drug-induced deaths

Causes of death attributable to drug-induced mortality include ICD–9 No. 292, Drug psychoses; No. 304, Drug dependence; Nos. 305.2–305.9, Nondependent use of drugs not including alcohol and tobacco; Nos. E850–E858, Accidental poisoning by drugs, medications, and biologicals; Nos. E950.0–E950.5, Suicide by drugs, medications, and biologicals; No. E962.0, Assault from poisoning by drugs and medications; and Nos. E980.0–E980.5, Poisoning by drugs, medications, and biologicals, undetermined whether accidentally or purposely inflicted. Drug-induced causes exclude accidents, homicides, and other causes indirectly related to drug use.

Codes for alcohol-induced deaths

Causes of death attributable to alcohol-induced mortality include ICD–9

No. 291, Alcoholic psychoses; No. 303, Alcohol dependence syndrome; No. 305.0, Nondependent abuse of alcohol; No. 357.5, Alcoholic polyneuropathy; No. 425.5, Alcoholic cardiomyopathy; No. 535.3, Alcoholic gastritis; Nos. 571.0–571.3, Chronic liver disease and cirrhosis, specified as alcoholic; No. 790.3, Excessive blood level of alcohol; and No. E860, Accidental poisoning by alcohol, not elsewhere classified. Alcohol-induced causes exclude accidents, homicides, and other causes indirectly related to alcohol use.

Quality of reporting of cause of death

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 deaths occur for which the underlying causes are impossible to determine, this proportion indicates the care and consideration given to the certification by the medical certifier. This proportion also may be used as a rough measure of the specificity of the medical diagnoses made by the certifier in various areas. In 1993, 1.17 percent of all reported deaths in the United States were assigned to Symptoms, signs, and ill-defined conditions compared with 1.08 percent in 1992. However, trends in the percent of deaths assigned to this category vary by age. Although the percent of deaths from this cause for all ages combined generally has remained stable since 1980, decreases have occurred for 10-year age groups for 25–44 years between 1988 and 1992. However, between 1992 and 1993, the percent increased for all age groups except for those 15–24 years.

For 1993, amended records were not received from Alaska and New Jersey in time for processing. Consequently, deaths for selected external causes are understated and deaths for Symptoms, signs, and ill-defined conditions are overstated.

Cause-of-death rankings

The cause-of-death rankings in figures 4, 5, and 10 and tables 6, 7, 8, 31, and 35 are based on the List of 72

Selected Causes of Death and HIV Infection (ICD-9 Nos. *042–*044); the cause-of-death ranking for infants in tables 27 and 28 are based on the List of 61 Selected Causes of Infant Death and HIV Infection. HIV infection was added to the lists of rankable causes effective with data year 1987.

The group titles Major cardiovascular diseases and Symptoms, signs, and ill-defined conditions are not ranked from the List of 72 Selected Causes; Certain conditions originating in the perinatal period and Symptoms, signs, and ill-defined conditions are not ranked from the List of 61 Selected Causes of Infant Death. In addition, category titles that begin with the words “Other” and “All other” are not ranked to determine the leading causes of death. When one of the titles that represents a subtotal is ranked (for example, Tuberculosis), its component parts are not ranked (in this case, Tuberculosis of respiratory system and Other tuberculosis).

Hispanic origin

For 1993 mortality data for the Hispanic-origin population are based on deaths to residents of 49 States and the District of Columbia whose data were approximately 80 percent or more complete on a place-of-occurrence basis and considered to be sufficiently comparable to be used for analysis. Data include all States except Oklahoma, which was excluded because its death certificates did not include an item to identify Hispanic or ethnic origin.

Infant mortality rates for the Hispanic-origin population are based on numbers of resident infant deaths reported to be of Hispanic origin and numbers of resident live births by Hispanic origin of mother for the same 49 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 was 2.1 and the percent of live births of unknown origin was 1.3 for the 49 States and the District of Columbia for 1993, infant mortality rates in this report by specified Hispanic origin and race for non-Hispanic origin may be underestimated.

Small numbers of infant deaths for specific Hispanic-origin groups can result in infant mortality rates subject to relatively large random variation (see “Random variation”).

In 1990 the 49 States and the District of Columbia accounted for 99.6 percent of the Hispanic population in the United States, including about 99.5 percent of the Mexican population, 99.8 percent of the Puerto Rican population, 99.9 percent of the Cuban population, and 99.7 percent of the “Other Hispanic” population (10).

Educational attainment

Beginning with the 1989 data year, mortality data on educational attainment are being tabulated from information reported on the death certificate. As a result of the revision of the U.S. Standard Certificate of Death (9), an item indicating educational attainment was added to the certificates of numerous States. Mortality data on educational attainment for 1993 are based on deaths to residents of the 44 States and the District of Columbia whose data were approximately 80 percent or more complete on a place-of-occurrence basis. Data include all States except Georgia, Kentucky, Oklahoma, Rhode Island, South Dakota, West Virginia, and New York City.

Population bases for computing rates

The population used for computing death rates in this report (furnished by the U.S. Bureau of the Census) represents the population residing in the specified area. Death rates for 1993 are based on population estimates as of July 1, 1993 (29,30). The estimates are based on the 1990 census counts. The 1990 census counts by race were modified to be consistent with U.S. Office of Management and Budget categories and historical categories for death data (31).

Infant mortality rates in figure 9 and tables 25–29 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.

In contrast to infant mortality rates based on live births, infant death rates in figure 2 and tables 2, 3, 8, 9, 12, and 19 are based on the estimated population under 1 year of age. Infant death rates that appear in tabulations of age-specific death rates are calculated by dividing the number of infant deaths in a calendar year by the midyear population of infants under 1 year of age (estimated from births occurring in the 12-month period ending with June) and are presented as rates per 100,000 population in this age group. Because of differences in the denominators, infant death rates may differ from infant mortality rates.

Rates, proportions, and ratios

Beginning with 1989 data, an asterisk is shown in place of a rate based on fewer than 20 deaths. These rates have a relative standard error of 23 percent or more and are, therefore, considered statistically unreliable. For age-adjusted death rates, this criterion is applied to the sum of the age-specific deaths.

Computation of percent distributions

Deaths of persons of unknown marital status and unknown educational attainment were subtracted from figures for total deaths used as denominators before percent distributions were computed.

Life tables

U.S. abridged life tables are constructed by reference to a standard life table (32). The life table provides a comprehensive measure of the effect of mortality on life expectancy. It is composed of sets of values showing the mortality experience of a hypothetical group of infants born at the same time and subject throughout their lifetime to the specific mortality rates of a particular time, usually a given year.

Causes of death contributing to changes in life expectancy

Causes of death contributing to changes in life expectancy were

estimated using a life table partitioning technique. The method partitions changes into component additive parts. This method identifies the causes of death having the greatest influence, positive or negative, on changes in life expectancy (4,33).

Random variation

Although the mortality data in this report except data for 1972 are not subject to sampling error, they may be affected by random variation in the number of deaths involved. 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 data. Such infrequent events may be assumed to follow a Poisson probability distribution. For this distribution, a simple approximation may be used to estimate the confidence interval, as follows:

If N is the number of registered deaths in the population and R is the corresponding rate, the chances are 19 in 20 (approximate 95-percent confidence interval) that

$$1. N - 2\sqrt{N} \text{ and } N + 2\sqrt{N}$$

covers the "true" number of events.

$$2. R + 2 \frac{R}{\sqrt{N}} \text{ and } R - 2 \frac{R}{\sqrt{N}}$$

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 if it exceeds

$$3. 2 \sqrt{\frac{R_1^2}{N_1} + \frac{R_2^2}{N_2}}$$

Additional information on random variation may be found in the Technical Appendix of *Vital Statistics of the United States, 1989* (34).

Infant and maternal mortality rates—Comparisons made in the text among infant, neonatal, postneonatal, and maternal mortality rates, unless otherwise specified, are statistically significant at the 0.05 level of significance. Lack of comment in the text about any two rates does not mean that the difference was

tested and found not to be significant at this level.

Availability of mortality data

Mortality data are available in electronic format (data tapes and CD-ROM's) from the National Technical Information Service; unpublished tabulations; *Vital and Health Statistics*, Series 20; supplements to the *Monthly Vital Statistics Report*; *Vital Statistics of the United States*, Volume II, Mortality, Parts A and B; and the *Monthly Vital Statistics Report*, "Multiple Causes of Death in the United States," vol 32, no 10 Supplement.

Definitions of terms

Infant deaths—Deaths of infants aged under 1 year.

Neonatal deaths—Deaths of infants aged 0–27 days.

Postneonatal deaths—Deaths of infants aged 28 days–1 year.

Crude death rate—The death rate represents the average chance of dying during a specified period for persons in the entire population. This rate is computed from total deaths and total population, and measures the decrease in a population due to death.

Age-specific death rate—Deaths per 100,000 population in a specified age group such as 1–4 years or 5–9 years for a specified period.

Age-adjusted death rate—The death rate used to make comparisons of relative mortality risks across groups and over time. However, it should be viewed as a construct or an index rather than as direct or actual measure of mortality risk. Statistically, it is a weighted average of the age-specific death rates, where the weights represent the fixed population proportions by age (34). The age-adjusted rates presented in this report were computed by the direct method, that is, by applying the age-specific death rates for a given cause of death to the U.S. standard million population (relative age distribution of 1940 enumerated population of the United States totaling 1,000,000 (35)). By using the same standard population, the rates for the total population and for each race-sex group were adjusted separately. The age-adjusted rates were based on 10-year age groups. It is important not to compare age-adjusted death rates with crude rates.

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This report presents summary tabulations from the final mortality statistics for 1993. More detailed tabulations for 1993 will be published in *Vital Statistics of the United States, 1993 Volume II—Mortality*. Prior to the publication of that volume, the National Center for Health Statistics will respond to requests for unpublished data whenever possible.

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