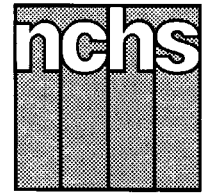


Monthly Vital Statistics Report



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

Births, Marriages, Divorces, and Deaths for June 1994

Mortality Surveillance System

pages 4-7

Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues:

65 years and over by sex and race

State Maps

pages 8 and 9

Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues by sex

Births

According to provisional reports, an estimated 320,000 births occurred in the United States during June 1994. This was a slight decrease from the provisional number reported for June 1993 (321,000). The birth rate, 14.9 live births per 1,000 population, was 2 percent lower than the rate of 15.2 for June 1993. The fertility rate, 65.6 live births per 1,000 women aged 15-44 years, was 1 percent lower than the comparable rate for June 1993 (66.1). The seasonally adjusted fertility rate (64.2) was also 1 percent lower than the comparable rate for June 1993 (65.1).

During the first half of 1994, an estimated 1,949,000 births occurred, a

1-percent decrease from the 1,976,000 reported for the first half of 1993. The birth rate for this period decreased by 3 percent from 15.5 in 1993 to 15.1 in 1994. The fertility rate for the first half of 1994 was 66.3, 2 percent lower than the rate for the first half of 1993 (67.5).

An estimated 4,012,000 live births occurred in the 12-month period ending with June 1994, a decline of 1 percent from the 4,037,000 births reported for the same period a year earlier. The birth rate of 15.5 was 1 percent lower than the rate of 15.7 for the preceding 12 months. The fertility rate for the most recent 12-month period was 67.7, 1 percent lower than the rate for the 12 months ending with June 1993 (68.4). These lower rates continue

Provisional Vital Statistics for the United States

[Rates for infant deaths are deaths under 1 year per 1,000 live births; fertility rates are live births per 1,000 women aged 15-44 years; all other rates per 1,000 total population. Data are subject to monthly reporting variation; see Technical notes]

Item	June				January-June				12 months ending with June				
	Number		Rate		Number		Rate		Number		Rate		
	1994	1993	1994	1993	1994	1993	1994	1993	1994	1993	1994	1993	1992
Live births	320,000	321,000	14.9	15.2	1,949,000	1,976,000	15.1	15.5	4,012,000	4,037,000	15.5	15.7	16.2
Fertility rate . . . . .	...	...	65.6	66.1	...	...	66.3	67.5	...	...	67.7	68.4	69.7
Deaths	177,000	178,000	8.3	8.4	1,173,000	1,161,000	9.1	9.1	2,280,000	2,223,000	8.8	8.7	8.6
Infant deaths	2,500	2,700	7.9	8.4	15,900	17,000	8.1	8.6	32,200	33,800	8.1	8.4	8.6
Natural increase	143,000	143,000	6.6	6.8	776,000	815,000	6.0	6.4	1,732,000	1,814,000	6.7	7.0	7.6
Marriages	267,000	252,000	12.5	11.9	1,081,000	1,061,000	8.5	8.4	2,354,000	2,338,000	9.1	9.1	9.4
Divorces	103,000	101,000	4.8	4.8	596,000	594,000	4.6	4.7	1,190,000	1,203,000	4.6	4.7	4.7
Population base (in millions) . . . . .	...	...	260.4	257.7	...	...	...	...	...	...	259.4	256.6	253.7

NOTES: Figures include revisions received from the States. Twelve-month figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published.



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Centers for Disease Control and Prevention
National Center for Health Statistics



the generally downward trend observed since early 1991.

Natural increase

As a result of natural increase, the excess of births over deaths, an estimated 143,000 people or 6.6 persons per 1,000 population were added to the population during June 1994.

For the 12-month period ending with June 1994, 1,732,000 persons were added to the population. This represented a rate of natural increase of 6.7, 4 percent lower than the rate of 7.0 for the preceding 12-month period. The decline in the rate of natural increase was due to a decrease in the birth rate and a rise in the death rate.

Marriages

The number of marriages performed in June 1994 totaled 267,000, 6 percent more than in June a year earlier (252,000). The marriage rate for June was 12.5 in 1994, a 5-percent increase over the rate for June 1993 (11.9). June typically has the highest marriage rate of any month.

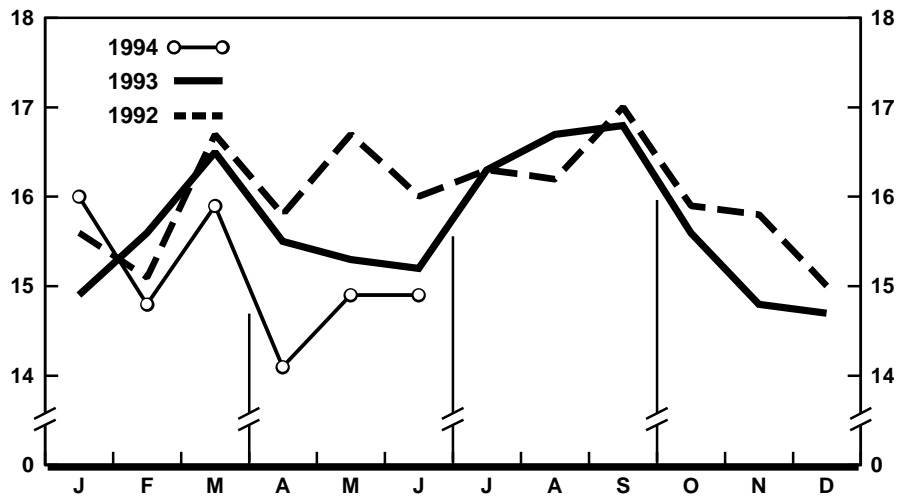
There were 20,000 more marriages performed in the first half of 1994 (1,081,000) than in the comparable period in 1993 (1,061,000). The marriage rate for the 6-month period was 1 percent higher in 1994 (8.5) than in 1993 (8.4).

For the 12-month period ending with June 1994, there were 2,354,000 marriages performed, 1 percent more than for the same period a year earlier (2,338,000). The marriage rate was 9.1 for both 12-month periods.

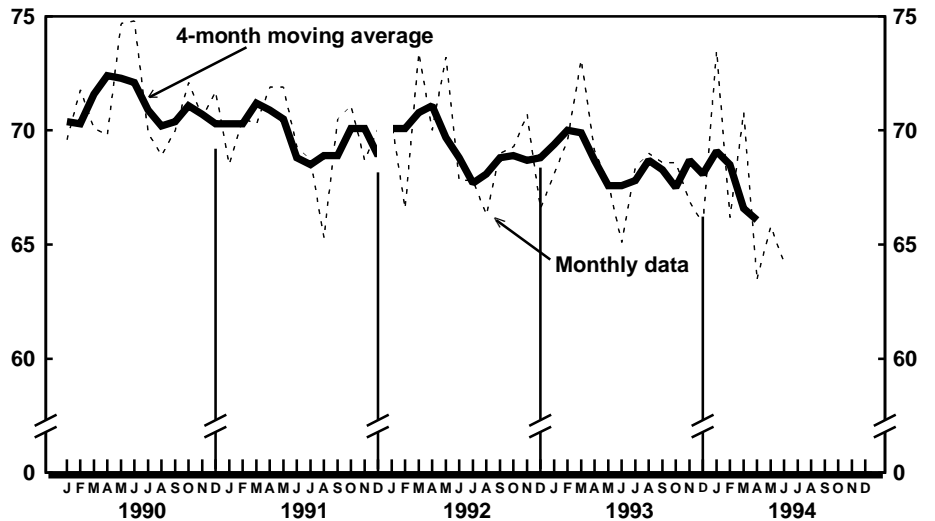
Divorces

An estimated 103,000 couples divorced in June 1994, 2 percent more than in June of the previous year (101,000). Despite the slight increase in the number, the divorce rate for June was 4.8 in 1993 and 1994.

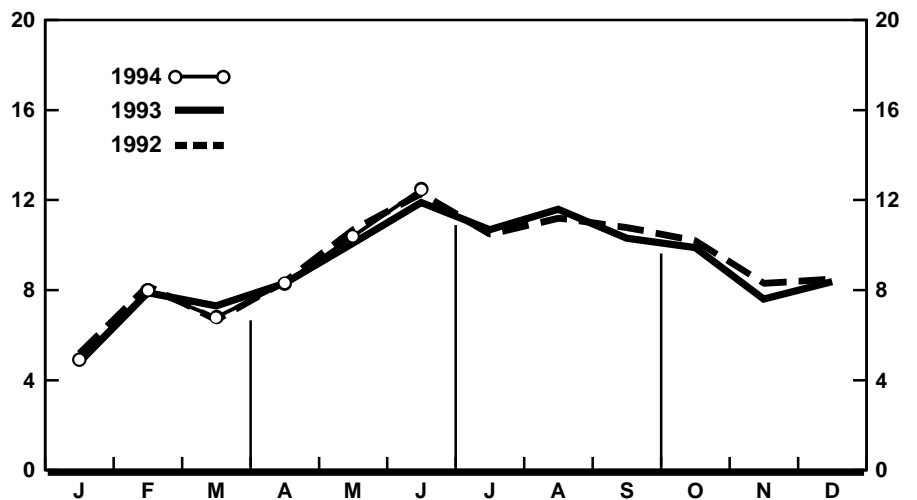
The cumulative number of divorces for January–June was slightly higher in 1994 (596,000) than in 1993 (594,000). The divorce rate for the 6-month period declined 2 percent, from 4.7 in 1993 to 4.6 in 1994.



Provisional birth rates per 1,000 population by month: United States, 1992-94



Provisional seasonally adjusted fertility rates per 1,000 women aged 15-44 years: United States, 1990-94



Provisional marriage rates per 1,000 population by month: United States, 1992-94

For the 12-month period ending with June 1994, the number of divorces (1,190,000) was 1 percent lower than for the period ending with June 1993 (1,203,000). The divorce rate for the current 12-month period was 4.6, 2 percent lower than for the same period a year earlier (4.7).

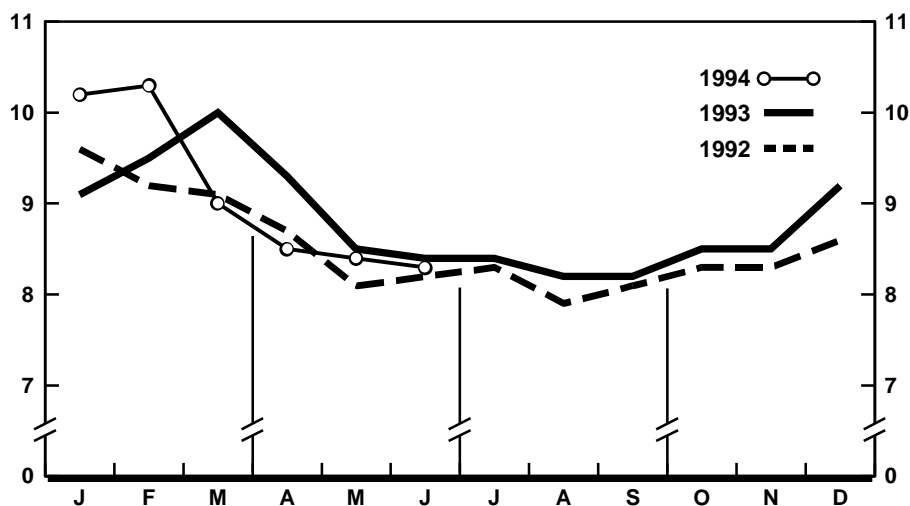
Deaths

For June 1994 there were an estimated 177,000 deaths in the United States. The death rate was 8.3 deaths per 1,000 population, 1 percent lower than the rate of 8.4 for June a year earlier. Among the 177,000 deaths for June 1994 were 2,500 deaths at ages under 1 year.

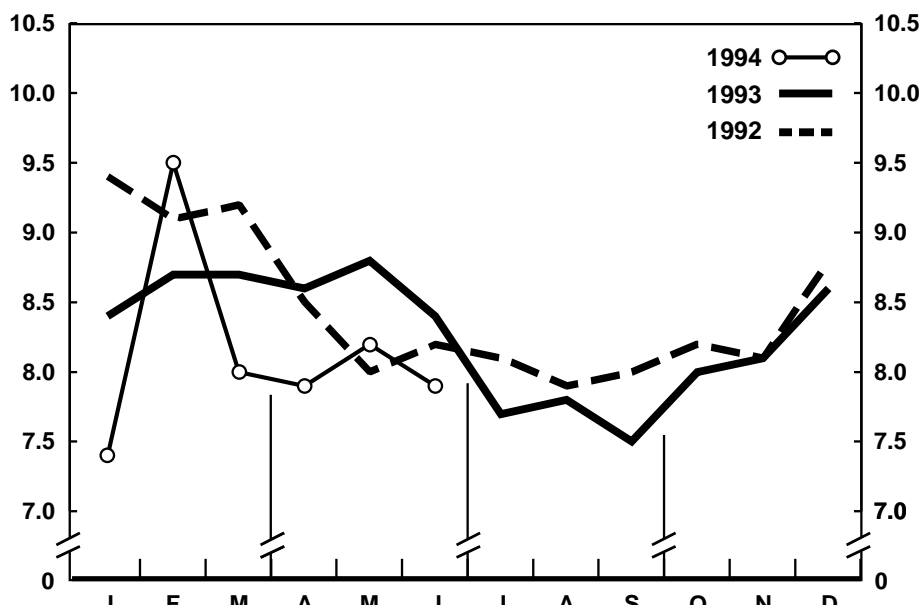
According to provisional statistics, there were 1,173,000 deaths during the first half of 1994, 1 percent higher than the number estimated for the first half of 1993 (1,161,000). The death rate, 9.1 per 1,000 population, was the same as the rate for January–June 1993. Among the 1,173,000 deaths for the first half of 1994 were 15,900 deaths at ages under 1 year, yielding an infant mortality rate of 8.1 per 1,000 live births. This rate was 6 percent lower than the rate of 8.6 for the first half of 1993.

The death rate for the 12 months ending with June 1994 was 8.8 deaths per 1,000 population, 1 percent higher than the rate of 8.7 for the comparable 12-month period a year earlier. The infant mortality rate for the most recent 12-month period was 8.1 per 1,000 live births, 4 percent lower than the rate of 8.4 for the 12 months ending with June 1993.

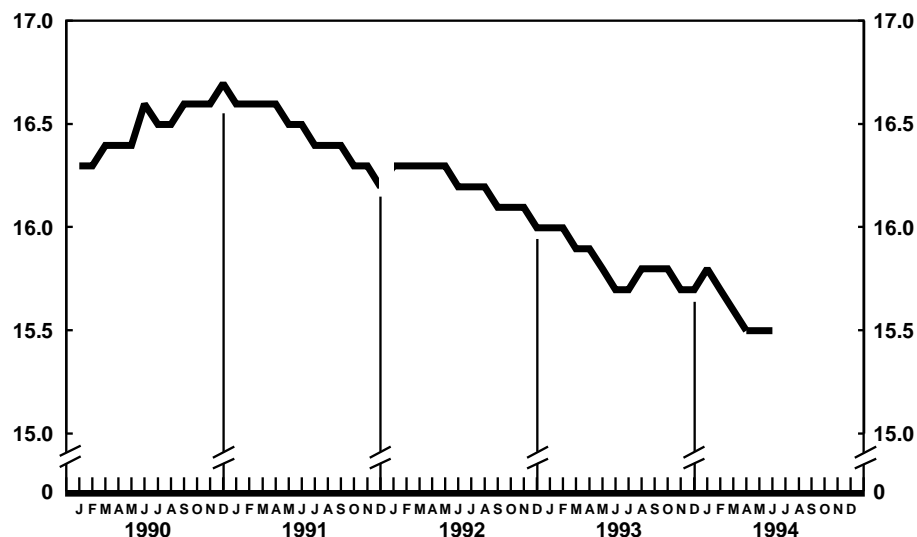
Current Mortality Sample, 12 months ending with May 1994—The provisional death rate for the 12 months ending with May 1994 was 880.1 per 100,000 population, 2 percent higher than the rate of 864.9 for the 12-month period ending May 1993. The increase in the death rate between the consecutive 12-month periods reflects higher mortality for several causes of death, many of which are believed to be associated with influenza epidemics in 1993 (1). The provisional age-adjusted death rate for the 12-month period ending with May 1994 was 511.8 per 100,000 U.S. standard million population, 1 percent higher than the rate of 507.9 for the 12-month period ending



Provisional death rates per 1,000 population by month: United States, 1992-94



Provisional infant mortality rates per 1,000 live births by month: United States, 1992-94



Provisional birth rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1990-94

with May 1993. Age-adjusted death rates control for changes and variations in the age composition of the population; therefore, they are better indicators than crude rates for showing changes in mortality risk over time and for showing differences between race-sex groups within the population. Among the race-sex groups, the estimated age-adjusted death rate increased for black males. By age the death rate for the total population increased for the following age groups: 75-84 years and 85 years and over.

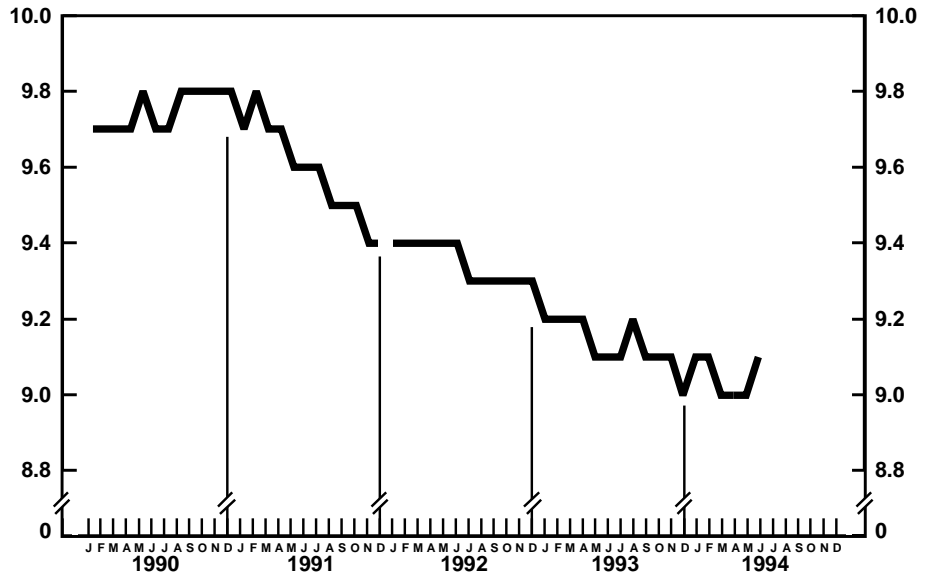
Among the major causes of death, the estimated death rate increased between the two successive 12-month periods for Accidents and adverse effects, Chronic obstructive pulmonary diseases and allied conditions, Pneumonia and influenza, Diabetes mellitus, and Human immunodeficiency virus infection.

The death rate for injury by firearms for the 12 months ending with May 1994 was 15.0 per 100,000 population compared with a rate of 14.4 for the comparable 12-month period a year earlier. The change in the death rate for injury by firearms was not statistically significant.

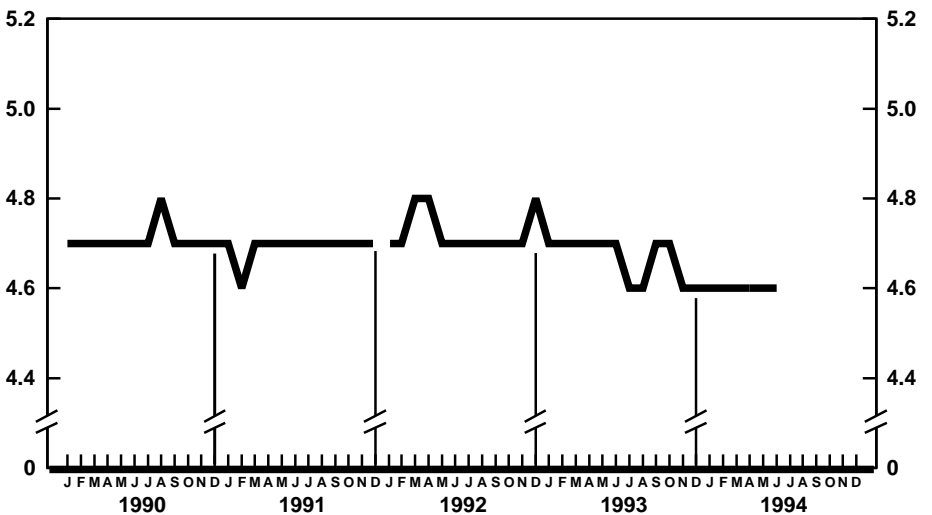
The infant mortality rate for the 12 months ending with May 1994 was 809.6 per 100,000 live births, 4 percent lower than the rate of 840.4 for the same 12-month period a year earlier. For infants under 28 days, the 12-month rate ending May 1994 was 518.6 compared with a rate of 527.5 for the 12-month period a year earlier. The infant mortality rate for infants 28 days to 11 months was 290.6 compared with a rate of 312.8 for the 12-month period a year earlier. The changes in the mortality rates for infants under 28 days and for those 28 days to 11 months were not statistically significant.

Mortality Surveillance System

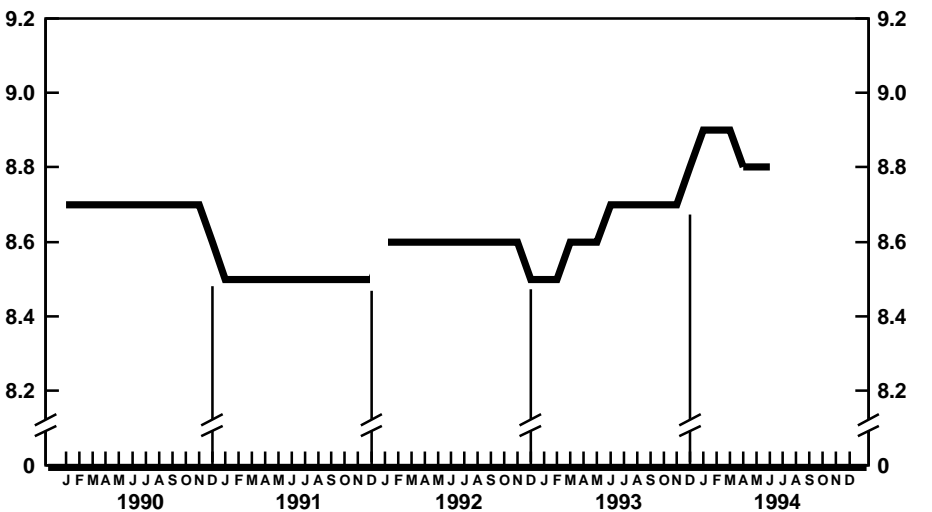
Discussed this month are recent trends in death rates for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (cancer) for the black and white populations by sex for ages 65 years and over. In this issue final mortality data are analyzed for data year 1991 and provisional data from January 1985 to December 1993.



Provisional marriage rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1990-94



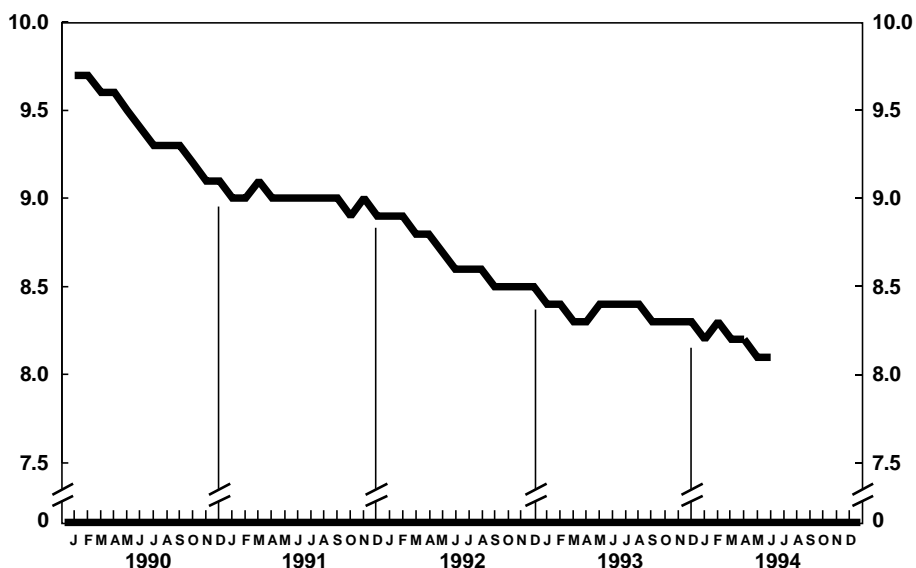
Provisional divorce rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1990-94



Provisional death rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1990-94

In 1991, the latest year for which final mortality data are available, cancer was the second leading cause of death, after Diseases of heart, among persons aged 65 years and over for each of the four major race-sex groups, black and white females, and black and white males. Among black women aged 65 years and over, cancer accounted for 15,198 deaths or 20 percent of all deaths for these women. Among white women, it accounted for 149,935 deaths or 20 percent of all deaths for this age-race-sex group. Among black men aged 65 years and over, cancer accounted for 19,298 deaths or 29 percent of all deaths for these men. Among white men, it accounted for 166,312 deaths or 25 percent of all deaths for this age-race-sex group.

Based on 1991 final data, the death rate for cancer for black men aged 65 years and over was 1.4 times the rate for white men and 2.0 times the rate for black women in this age group; for black women aged 65 years and over, the rate was 1.1 times the rate for white women in this age group. The rate for white men was 1.6 times the rate for white women. Trends based on provisional data for cancer for these demographic groups are presented in the Mortality Surveillance System charts and accompanying text that follow.

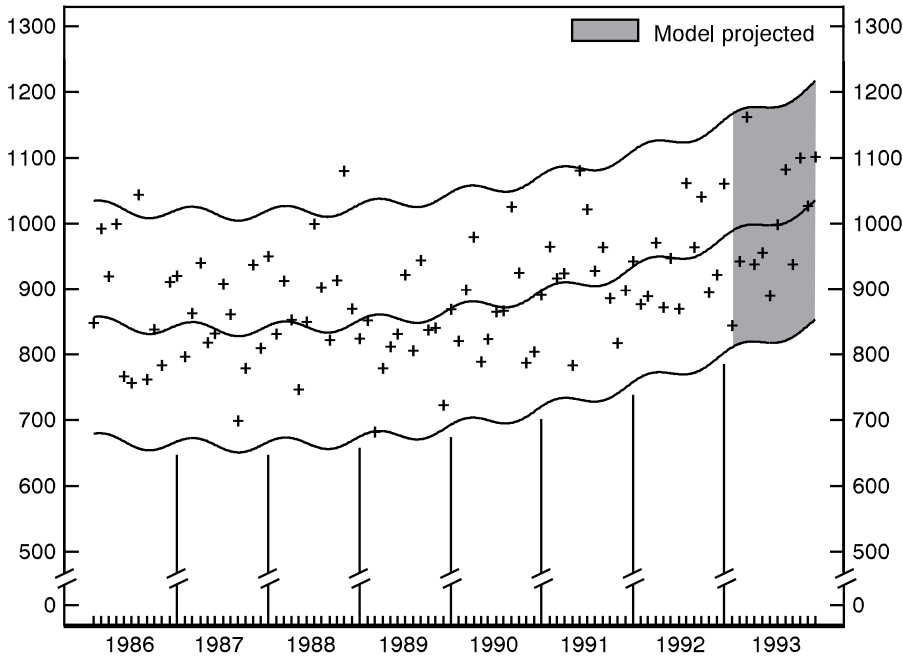


Provisional infant mortality rates per 1,000 live births for successive 12-month periods ending with month indicated: United States, 1990-94

Mortality Surveillance System charts

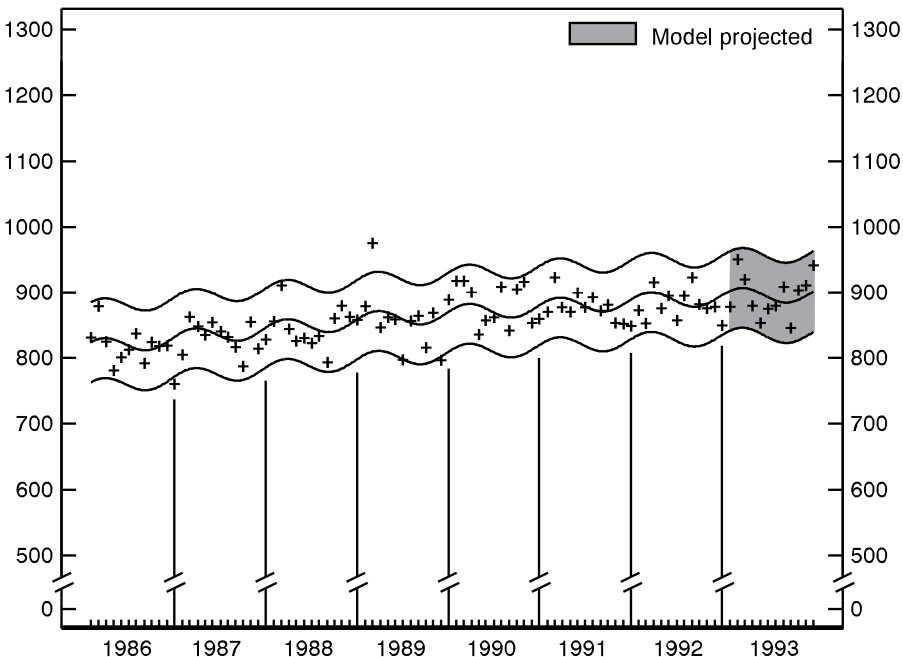
[Observed and fitted provisional monthly death rates and 95-percent prediction intervals. Model fitted using death rates for January 1985–December 1992; projected for January 1993–December 1993. See Technical notes]

Trends in mortality from Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (cancer) are presented in the charts below. Reversing the rise of mortality from cancer is addressed in *Healthy People 2000* (objectives 2.2 and 16.1) (2).



Provisional death rates per 100,000 black females 65 years of age and over for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues by month: United States, 1986–93

- For the modeled period, provisional death rates have increased since 1988.
- For the projection period, observed provisional monthly death rates fell within 95-percent prediction intervals.



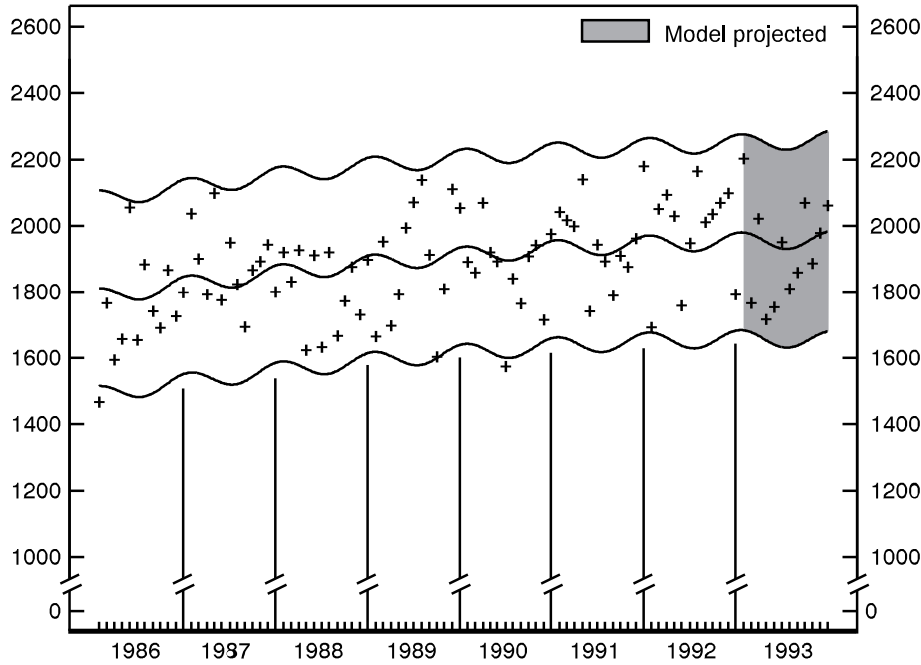
Provisional death rates per 100,000 white females 65 years of age and over for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues by month: United States, 1986–93

- For the modeled period, provisional death rates increased.
- For the projection period, observed provisional monthly death rates fell within 95-percent prediction intervals.
- Mortality shows a seasonal pattern with death rates higher in winter.

Mortality Surveillance System charts—Con.

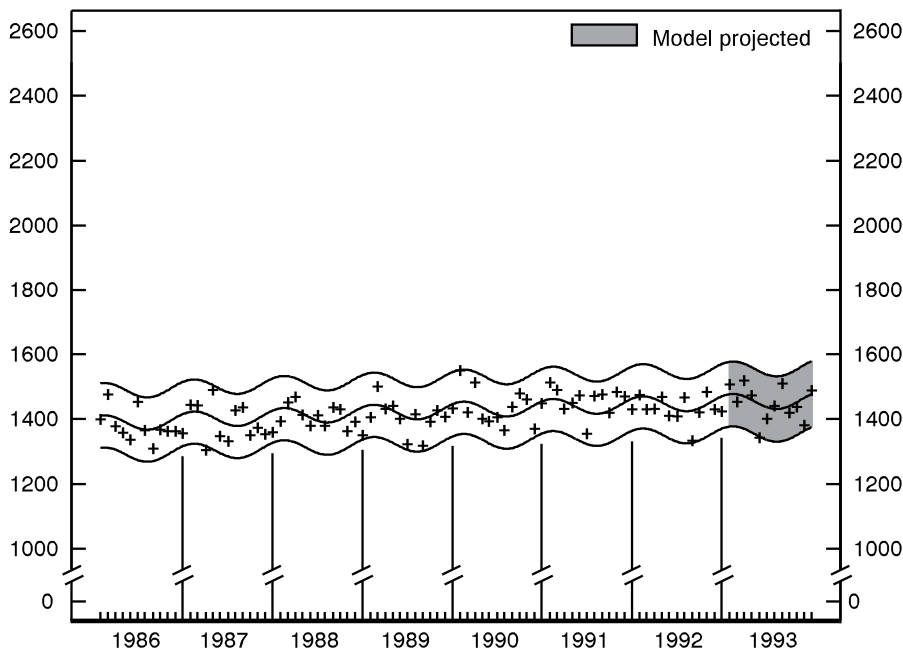
[Observed and fitted provisional monthly death rates and 95-percent prediction intervals. Model fitted using death rates for January 1985–December 1992; projected for January 1993–December 1993. See Technical notes]

Trends in mortality from Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (cancer) are presented in the charts below. Reversing the rise of mortality from cancer is addressed in *Healthy People 2000* (objectives 2.2 and 16.1) (2).



Provisional death rates per 100,000 black males 65 years of age and over for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues by month: United States, 1986–93

- For the modeled period, provisional death rates increased.
- For the projection period, observed provisional monthly death rates fell within 95-percent prediction intervals.
- Mortality shows a seasonal pattern with death rates higher in winter

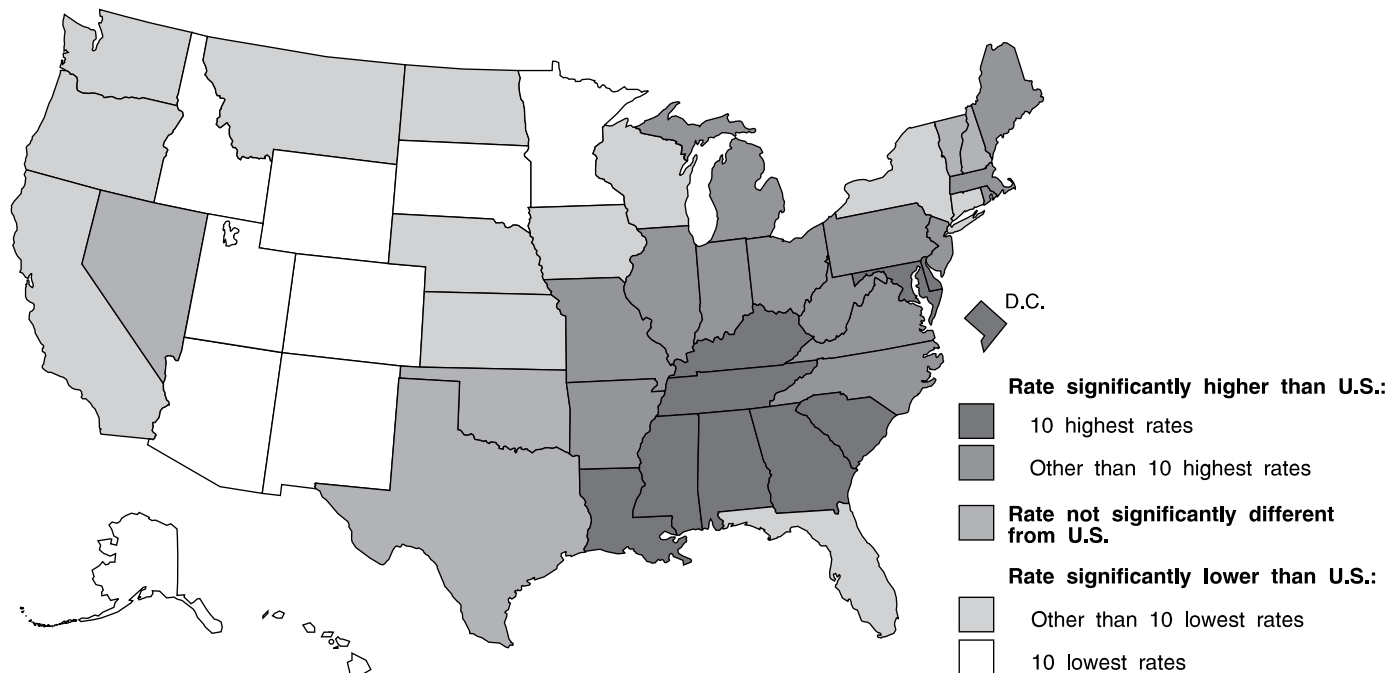


Provisional death rates per 100,000 white males 65 years of age and over for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues by month: United States, 1986–93

- For the modeled period, provisional death rates increased.
- For the projection period, observed provisional monthly death rates fell within 95-percent prediction intervals.
- Mortality shows a seasonal pattern with death rates higher in winter.

Final 3-year total number of deaths and average annual age-adjusted death rates and 95-percent confidence limits for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues for males: United States and each State, 1989–91

[Data are final by State of residence]



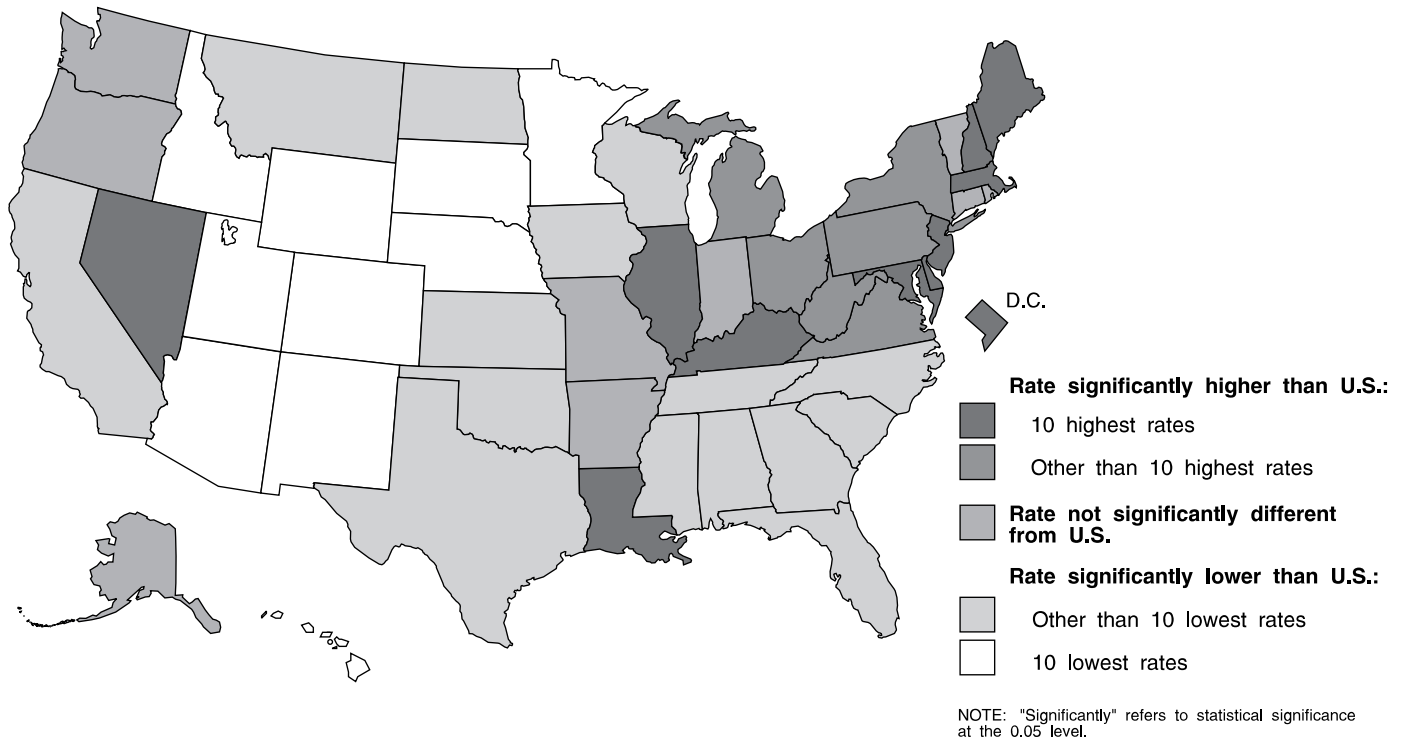
NOTE: "Significantly" refers to statistical significance at the 0.05 level.

Area	Deaths, 3-year total (final)	Age-adjusted rate (final)	95-percent confidence limits		Area	Deaths, 3-year total (final)	Age-adjusted rate (final)	95-percent confidence limits	
			Lower	Upper				Lower	Upper
United States	803,972	166.1	165.7	166.5	South Atlantic—Con.				
New England					West Virginia	7,255	††181.6	177.2	186.0
Maine	4,497	††176.7	171.3	182.1	North Carolina	21,826	††178.9	176.5	181.3
New Hampshire	3,387	167.2	161.4	173.0	South Carolina	11,147	††185.6	182.1	189.1
Vermont	1,782	168.8	160.7	176.9	Georgia	18,685	††183.5	180.8	186.2
Massachusetts	20,473	†169.3	166.9	171.7	Florida	55,715	††161.7	160.2	163.2
Rhode Island	3,762	††174.3	168.4	180.2	East South Central				
Connecticut	10,761	††157.0	153.9	160.1	Kentucky	13,765	††193.3	190.0	196.6
Middle Atlantic					Tennessee	17,236	††183.8	181.0	186.6
New York	57,901	††162.8	161.4	164.2	Alabama	14,472	††186.1	183.0	189.2
New Jersey	27,719	††174.4	172.3	176.5	Mississippi	9,171	††192.3	188.2	196.4
Pennsylvania	46,181	††172.8	171.1	174.5	West South Central				
East North Central					Arkansas	9,544	††182.8	178.9	186.7
Ohio	37,373	††174.3	172.5	176.1	Louisiana	14,441	††199.3	196.0	202.6
Indiana	18,737	††174.8	172.2	177.4	Oklahoma	10,882	167.7	164.4	171.0
Illinois	38,035	††174.2	172.4	176.0	Texas	46,272	165.7	164.2	167.2
Michigan	29,588	††168.9	166.9	170.9	Mountain				
Wisconsin	16,234	††156.9	154.4	159.4	Montana	2,629	††148.8	142.8	154.8
West North Central					Idaho	2,763	††134.9	129.6	140.2
Minnesota	12,850	††144.7	142.1	147.3	Wyoming	1,203	††146.3	137.8	154.8
Iowa	9,741	††150.4	147.2	153.6	Colorado	7,735	††137.7	134.6	140.8
Missouri	18,590	††174.4	171.8	177.0	New Mexico	3,660	††132.2	127.8	136.6
North Dakota	2,225	††148.0	141.2	154.8	Arizona	11,097	††145.9	143.0	148.8
South Dakota	2,348	††142.9	136.6	149.2	Utah	2,992	††115.0	110.7	119.3
Nebraska	5,158	††150.8	146.4	155.2	Nevada	3,724	162.4	157.2	167.6
Kansas	8,011	††152.3	148.8	155.8	Pacific				
South Atlantic					Washington	14,149	††149.4	146.9	151.9
Delaware	2,389	††188.9	181.2	196.6	Oregon	9,675	††154.5	151.3	157.7
Maryland	15,432	††186.4	183.4	189.4	California	75,917	††147.8	146.7	148.9
District of Columbia	2,522	††235.6	226.1	245.1	Alaska	769	††141.9	131.6	152.2
Virginia	18,767	††176.9	174.3	179.5	Hawaii	2,785	††125.3	120.5	130.1

NOTES: Data are final. Rates per 100,000 U.S. standard million population; see Technical notes. The symbols † and †† denote statistical significance of the difference between the U.S. and State rates at the 0.05 and 0.01 levels, respectively. For method of computation of rates, confidence limits, and tests of statistical significance, see Technical notes.

Final 3-year total number of deaths and average annual age-adjusted death rates and 95-percent confidence limits for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues for females: United States and each State, 1989–91

[Data are final by State of residence]



Area	Deaths, 3-year total (final)	Age-adjusted rate (final)	95-percent confidence limits		Area	Deaths, 3-year total (final)	Age-adjusted rate (final)	95-percent confidence limits	
			Lower	Upper				Lower	Upper
United States	712,159	112.8	112.5	113.1	South Atlantic—Con.				
New England					West Virginia	6,160	††118.3	114.9	121.7
Maine	4,047	††119.2	115.0	123.4	North Carolina	17,745	††106.9	105.2	108.6
New Hampshire	3,146	††119.9	115.2	124.6	South Carolina	8,909	†110.0	107.5	112.5
Vermont	1,565	112.6	106.3	118.9	Georgia	15,093	††107.8	105.9	109.7
Massachusetts	20,406	††118.7	116.8	120.6	Florida	45,298	††108.6	107.4	109.8
Rhode Island	3,484	115.5	111.0	120.0	East South Central				
Connecticut	10,237	110.9	108.5	113.3	Kentucky	11,455	††123.0	120.5	125.5
Middle Atlantic					Tennessee	13,978	†110.5	108.5	112.5
New York	57,107	††116.9	115.8	118.0	Alabama	11,605	††109.6	107.4	111.8
New Jersey	26,381	††123.2	121.5	124.9	Mississippi	6,945	††107.3	104.4	110.2
Pennsylvania	42,879	††118.2	116.9	119.5	West South Central				
East North Central					Arkansas	7,291	109.9	107.0	112.8
Ohio	34,050	††118.3	116.9	119.7	Louisiana	11,643	††120.0	117.6	122.4
Indiana	16,313	114.4	112.4	116.4	Oklahoma	9,274	†109.7	107.1	112.3
Illinois	34,745	††118.7	117.3	120.1	Texas	38,843	††107.2	106.0	108.4
Michigan	26,450	††117.6	116.0	119.2	Mountain				
Wisconsin	14,217	††107.8	105.8	109.8	Montana	2,213	†106.8	101.8	111.8
West North Central					Idaho	2,360	††101.4	96.8	106.0
Minnesota	11,679	††103.5	101.3	105.7	Wyoming	990	††101.3	94.4	108.2
Iowa	8,882	††104.5	101.9	107.1	Colorado	7,112	††98.4	95.9	100.9
Missouri	16,444	114.7	112.7	116.7	New Mexico	3,206	††96.9	93.3	100.5
North Dakota	1,840	††105.2	99.5	110.9	Arizona	9,363	††103.6	101.3	105.9
South Dakota	1,974	††96.5	91.3	101.7	Utah	2,604	††85.1	81.5	88.7
Nebraska	4,635	††102.3	98.8	105.8	Nevada	2,993	††118.8	114.4	123.2
Kansas	7,181	††105.2	102.3	108.1	Pacific				
South Atlantic					Washington	12,764	110.9	108.8	113.0
Delaware	2,061	††125.3	119.4	131.2	Oregon	8,409	110.9	108.2	113.6
Maryland	13,657	††123.3	121.1	125.5	California	71,378	†111.7	110.8	112.6
District of Columbia	2,275	††143.3	136.7	149.9	Alaska	644	113.3	104.4	122.2
Virginia	16,126	†115.1	113.2	117.0	Hawaii	2,103	††89.9	85.8	94.0

NOTES: Data are final. Rates per 100,000 U.S. standard million population; see Technical notes. The symbols † and †† denote statistical significance of the difference between the U.S. and State rates at the 0.05 and 0.01 levels, respectively. For method of computation of rates, confidence limits, and tests of statistical significance, see Technical notes.

Table 1. Provisional number of live births, marriages, divorces, deaths, and infant deaths and rates, by month: United States, January 1993–June 1994

[Data are provisional and are subject to monthly reporting variation; see Technical notes]

Period	Live births				Marriages		Divorces		Deaths		Infant deaths	
	Number	Rate per 1,000 women aged 15–44 years			Number	Rate per 1,000 population	Number	Rate per 1,000 population	Number	Rate per 1,000 population	Number	Rate per 1,000 live births
		Rate per 1,000 population	Unadjusted	Seasonally adjusted ¹								
1993:												
January	325,000	14.9	64.7	68.1	103,000	4.8	92,000	4.2	198,000	9.1	2,800	8.4
February	308,000	15.6	68.0	69.6	154,000	7.9	87,000	4.4	187,000	9.5	2,700	8.7
March	360,000	16.5	71.7	73.1	157,000	7.3	113,000	5.2	217,000	10.0	3,000	8.7
April	328,000	15.5	67.5	69.1	174,000	8.3	98,000	4.6	196,000	9.3	2,800	8.6
May	335,000	15.3	66.8	67.7	221,000	10.1	103,000	4.7	185,000	8.5	2,900	8.8
June	321,000	15.2	66.1	65.1	252,000	11.9	101,000	4.8	178,000	8.4	2,700	8.4
July	357,000	16.3	71.2	68.4	235,000	10.7	100,000	4.6	184,000	8.4	2,700	7.7
August	367,000	16.7	73.0	69.0	254,000	11.6	100,000	4.6	180,000	8.2	2,700	7.8
September	356,000	16.8	73.3	68.6	218,000	10.3	101,000	4.8	174,000	8.2	2,600	7.5
October	344,000	15.6	68.4	68.6	218,000	9.9	102,000	4.7	188,000	8.5	2,800	8.0
November	316,000	14.8	64.9	66.9	162,000	7.6	94,000	4.4	180,000	8.5	2,600	8.1
December	323,000	14.7	64.3	65.9	185,000	8.4	96,000	4.4	202,000	9.2	2,800	8.6
1994:												
January	352,000	16.0	70.0	73.5	107,000	4.9	97,000	4.4	224,000	10.2	2,500	7.4
February	295,000	14.8	64.9	66.2	156,000	8.0	89,000	4.5	204,000	10.3	2,900	9.5
March	352,000	15.9	69.9	70.8	147,000	6.8	103,000	4.7	199,000	9.0	2,700	8.0
April	302,000	14.1	62.0	63.5	174,000	8.3	100,000	4.7	182,000	8.5	2,500	7.9
May	329,000	14.9	65.4	65.8	231,000	10.4	104,000	4.7	186,000	8.4	2,700	8.2
June	320,000	14.9	65.6	64.2	267,000	12.5	103,000	4.8	177,000	8.3	2,500	7.9

¹The method of seasonal adjustment, developed by the U.S. Bureau of the Census, is described in *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15 (1967 revision).

NOTE: Figures include all revisions received from the States and, therefore, may differ from those previously published.

Symbols

- - - Data not available
- . . . Category not applicable
- Quantity zero
- 0.0 Quantity more than zero but less than 0.05
- * Figure does not meet standards of reliability or precision (see Technical notes)

Table 2. Provisional number of live births and deaths: each division and State, June 1993 and 1994, and cumulative figures, 1992–94

[Data are estimates by State of residence; see Technical notes]

Area	Live births					Deaths				
	June		January–June			June		January–June		
	1994	1993	1994	1993	1992	1994	1993	1994	1993	1992
New England	14,878	13,992	87,527	88,415	97,026	¹ 6,828	8,534	¹ 53,150	60,834	58,760
Maine	1,310	1,581	7,147	7,567	7,777	- - -	1,044	- - -	5,633	5,479
New Hampshire	1,005	1,028	7,052	7,003	8,012	652	700	4,522	4,352	4,126
Vermont	817	706	3,405	3,750	3,747	409	473	2,386	2,589	2,508
Massachusetts	7,697	5,377	42,601	43,044	47,093	2,878	3,354	27,090	29,308	27,479
Rhode Island	1,126	1,216	6,426	7,114	7,359	679	724	4,705	4,997	4,709
Connecticut	2,923	4,084	20,896	19,937	23,038	2,210	2,239	14,447	13,955	14,459
Middle Atlantic	46,708	43,997	271,241	274,390	279,093	29,406	29,125	189,385	191,806	182,904
New York	23,749	21,947	139,663	135,702	141,522	13,962	13,659	86,330	89,315	84,106
New Jersey	9,694	9,067	53,404	58,029	54,859	5,795	5,982	37,199	37,668	36,233
Pennsylvania	13,265	12,983	78,174	80,659	82,712	9,649	9,484	65,856	64,823	62,565
East North Central	53,802	58,007	320,353	327,538	325,618	31,295	30,947	203,813	196,024	188,110
Ohio	13,472	14,512	82,269	81,772	84,314	8,302	8,507	55,745	51,952	50,347
Indiana	6,652	7,499	39,878	42,084	40,513	4,005	4,177	26,986	26,281	25,582
Illinois	15,812	16,056	92,318	93,505	93,749	8,556	8,222	55,061	53,797	51,617
Michigan	11,796	13,814	69,480	74,553	71,015	6,840	6,789	42,636	41,874	40,022
Wisconsin	6,070	6,126	36,408	35,624	36,027	3,592	3,252	23,385	22,120	20,542
West North Central	19,711	19,831	124,344	127,203	131,085	12,388	13,143	87,289	88,169	81,551
Minnesota	5,502	5,113	32,319	31,686	32,650	2,664	2,868	18,383	18,277	17,620
Iowa	2,951	2,459	17,388	18,180	19,091	1,790	2,214	13,371	15,151	13,808
Missouri	5,119	5,408	36,752	37,834	38,147	3,939	3,896	29,105	28,752	24,817
North Dakota	765	726	4,246	4,323	4,444	466	485	2,986	2,930	2,824
South Dakota	1,049	1,075	5,352	5,481	5,544	562	597	3,498	3,517	3,522
Nebraska	1,635	1,723	10,929	11,349	12,047	1,075	1,139	7,434	7,506	7,611
Kansas	2,690	3,327	17,358	18,350	19,162	1,892	1,944	12,512	12,036	11,349
South Atlantic	53,626	52,222	321,506	327,696	331,909	33,290	32,279	221,594	218,681	208,112
Delaware	997	864	5,201	5,289	5,449	523	551	3,149	3,150	2,962
Maryland	6,885	5,640	33,167	35,779	36,046	3,261	3,359	19,436	21,946	18,466
District of Columbia	717	813	4,493	4,946	5,067	410	562	3,092	3,439	3,426
Virginia	7,778	8,005	46,114	47,451	48,722	3,766	3,792	27,940	26,289	25,158
West Virginia	1,854	1,578	11,446	11,219	11,020	1,721	1,564	10,806	10,271	10,788
North Carolina	6,734	6,994	47,609	48,122	50,574	4,898	4,753	33,503	32,500	30,277
South Carolina	4,827	3,952	26,142	26,151	27,510	2,153	2,311	15,898	15,939	15,560
Georgia	9,124	9,064	53,750	55,554	55,031	4,657	3,976	30,037	28,170	27,183
Florida	14,710	15,312	93,584	93,185	92,490	11,901	11,411	77,733	76,977	74,292
East South Central	16,977	18,984	111,642	112,134	113,225	11,784	12,283	80,797	79,715	77,027
Kentucky	4,064	4,258	25,321	25,582	26,644	3,006	2,891	19,900	19,169	18,203
Tennessee	5,676	6,074	36,131	35,332	35,951	3,901	3,630	24,496	25,141	24,611
Alabama	4,106	5,336	29,809	31,175	30,651	2,840	3,669	22,415	21,883	21,315
Mississippi	3,131	3,316	20,381	20,045	19,979	2,037	2,093	13,986	13,522	12,898
West South Central	38,197	33,222	234,965	234,997	239,416	20,073	18,136	126,684	122,036	118,401
Arkansas	2,579	2,650	16,587	16,584	17,186	1,982	1,907	14,103	13,588	13,055
Louisiana	4,482	5,179	33,690	35,798	38,259	3,634	3,272	22,192	21,913	20,883
Oklahoma	4,306	4,113	23,101	22,971	23,744	2,567	2,570	16,865	16,480	15,638
Texas ²	26,830	21,280	161,587	159,644	160,227	11,890	10,387	73,524	70,055	68,825
Mountain	22,772	20,769	122,375	124,135	122,065	9,563	8,980	56,123	56,764	52,716
Montana	952	963	5,428	5,638	5,904	619	589	3,710	3,796	3,623
Idaho	1,468	1,620	8,665	8,807	8,592	663	710	4,259	4,218	4,053
Wyoming	538	495	3,168	3,202	3,409	283	274	1,731	1,733	1,652
Colorado	4,723	4,615	27,337	27,658	27,783	1,785	1,928	12,303	12,060	11,318
New Mexico	2,129	2,113	13,681	13,549	13,658	924	940	6,243	6,287	6,158
Arizona	7,064	5,670	33,431	35,864	33,028	3,311	2,874	16,481	18,164	15,852
Utah	3,586	3,271	19,524	18,400	18,971	1,032	803	5,409	5,074	4,898
Nevada	2,312	2,022	11,141	11,017	10,720	946	862	5,987	5,432	5,162
Pacific	52,726	47,519	350,235	348,389	373,436	21,250	24,411	147,944	146,649	146,599
Washington	6,555	4,891	38,053	30,260	34,398	3,943	6,342	19,423	22,037	19,229
Oregon	3,770	3,246	21,443	20,941	20,899	2,231	1,988	14,179	13,298	12,888
California ²	39,972	37,122	274,154	282,732	302,494	14,281	15,289	109,541	106,560	110,010
Alaska	808	860	7,008	4,857	5,785	223	198	1,153	1,020	1,011
Hawaii	1,621	1,400	9,577	9,599	9,860	572	594	3,648	3,734	3,461

¹Excludes figures for State(s) shown below as not available.

²Figures include adjustments for varying length of reporting periods; see Technical notes.

NOTES: Figures include all revisions received from the States. Cumulative figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published.

Table 3. Provisional number of marriages and divorces: each division and State, June 1993 and 1994, and cumulative figures, 1992–94

[By State of occurrence. Number of events reported; see Technical notes. Divorces include reported annulments]

Area	Marriages					Divorces				
	June		January–June			June		January–June		
	1994	1993	1994	1993	1992	1994	1993	1994	1993	1992
New England	18,154	12,365	133,271	34,208	41,235	3,226	3,320	19,891	21,585	21,014
Maine	892	1,705	3,308	4,090	4,251	520	451	2,468	2,788	3,070
New Hampshire	1,013	621	3,799	2,698	3,155	369	453	2,368	2,383	3,101
Vermont	460	541	1,717	1,957	1,927	356	293	1,409	1,413	1,494
Massachusetts	5,007	4,664	21,640	13,243	18,704	1,009	886	7,114	7,844	5,805
Rhode Island	782	826	2,807	2,909	3,071	277	289	1,659	1,783	1,780
Connecticut	---	4,008	---	9,311	10,127	695	948	4,873	5,374	5,764
Middle Atlantic	30,224	27,655	113,702	116,750	122,964	10,996	10,803	59,590	59,799	61,810
New York ²	15,474	13,713	60,061	61,866	64,624	4,735	4,506	27,690	26,970	28,260
New Jersey	5,355	5,506	21,638	22,754	24,152	2,719	2,648	12,608	13,188	13,687
Pennsylvania	9,395	8,436	32,003	32,130	34,188	3,542	3,649	19,292	19,641	19,863
East North Central	40,744	40,079	142,375	145,412	151,519	¹ 13,537	¹ 13,351	¹ 74,818	¹ 75,534	¹ 75,421
Ohio	10,947	9,916	38,198	37,845	40,506	4,395	4,535	24,815	24,881	25,847
Indiana	5,870	6,508	21,462	22,209	22,607	---	---	---	---	---
Illinois	11,094	11,337	39,630	39,951	40,961	3,909	3,884	20,889	21,930	20,907
Michigan	8,238	8,399	28,478	28,352	29,768	3,728	3,360	20,455	19,832	19,401
Wisconsin	4,595	3,919	14,607	17,055	17,677	1,505	1,572	8,659	8,891	9,266
West North Central	17,342	17,354	61,803	63,895	64,656	5,887	6,090	38,593	38,312	38,474
Minnesota	3,912	4,158	12,689	12,822	13,249	1,321	1,315	8,136	8,436	7,586
Iowa	2,627	2,913	8,891	11,533	9,380	1,001	950	5,861	5,469	5,505
Missouri	5,159	5,960	19,471	20,430	21,015	2,428	2,322	13,990	13,325	13,380
North Dakota	781	820	2,051	2,139	2,092	193	180	1,107	1,078	1,154
South Dakota	986	1,045	3,113	3,238	3,349	284	245	1,430	1,455	1,440
Nebraska	1,498	1,576	5,792	5,708	6,053	506	463	3,306	3,116	3,301
Kansas	2,379	882	9,796	8,025	9,518	154	615	4,763	5,433	6,108
South Atlantic	44,248	45,578	210,116	212,051	204,822	19,667	20,403	115,379	118,058	116,306
Delaware	556	553	2,217	2,319	2,349	328	190	1,710	1,497	1,578
Maryland	4,989	4,787	18,893	18,724	18,827	1,582	1,178	8,183	8,220	8,747
District of Columbia	160	735	717	1,249	1,381	166	193	979	887	1,272
Virginia	6,307	6,799	31,278	31,893	32,609	2,371	2,689	14,198	14,560	14,273
West Virginia	986	967	4,128	6,197	5,510	861	978	4,570	4,976	4,842
North Carolina	5,376	5,557	22,777	22,719	23,852	3,128	3,110	17,862	17,642	18,037
South Carolina	6,168	5,098	26,318	25,334	26,644	1,521	1,286	7,839	7,626	8,333
Georgia	5,969	6,052	29,425	29,780	22,892	3,199	3,777	18,145	19,348	15,668
Florida	13,737	15,030	74,363	73,836	70,758	6,511	7,002	41,893	43,302	43,556
East South Central	18,161	18,574	85,052	85,864	88,076	8,326	7,852	49,254	47,057	50,591
Kentucky	5,776	4,969	22,301	20,834	23,390	2,013	2,104	11,653	11,088	12,423
Tennessee	5,474	7,865	32,972	35,045	33,435	2,903	2,885	16,708	16,415	16,741
Alabama	4,691	3,104	19,197	18,341	20,192	2,253	1,973	13,206	13,545	13,712
Mississippi	2,220	2,636	10,582	11,644	11,059	1,157	890	7,687	6,009	7,715
West South Central	30,028	25,090	154,796	139,684	142,964	¹ 12,724	¹ 12,191	¹ 72,787	¹ 72,445	¹ 74,176
Arkansas	3,753	4,096	18,255	18,023	17,509	1,427	1,875	9,186	8,975	8,885
Louisiana	3,194	2,890	19,741	14,431	15,181	---	---	---	---	---
Oklahoma	3,368	3,597	14,523	14,780	15,758	1,988	2,140	10,857	10,908	12,736
Texas ³	19,713	14,507	102,277	92,450	94,516	9,309	8,176	52,744	52,562	52,555
Mountain	25,986	24,274	127,912	120,951	116,731	¹ 6,892	¹ 6,905	¹ 38,399	¹ 38,836	¹ 39,388
Montana	938	994	2,724	2,910	2,987	338	416	2,074	2,143	2,137
Idaho	1,721	1,352	6,975	5,709	6,343	791	666	3,743	3,533	3,420
Wyoming	496	602	1,909	1,996	2,011	244	204	1,447	1,431	1,570
Colorado	3,401	4,044	14,482	15,227	15,175	1,749	1,650	9,821	9,581	9,705
New Mexico ^{4,5}	1,403	1,494	6,035	6,153	6,419	876	991	4,974	5,204	4,838
Arizona ²	3,305	3,456	18,331	20,368	18,123	2,059	2,251	11,637	12,409	12,841
Utah	1,863	1,993	9,068	8,900	8,848	835	727	4,703	4,535	4,877
Nevada	12,859	10,339	68,388	59,688	56,825	---	---	---	---	---
Pacific	¹ 8,732	25,975	¹ 38,900	131,770	152,177	¹ 4,482	¹ 2,929	¹ 27,205	¹ 21,743	¹ 26,682
Washington	3,679	3,605	16,897	13,772	18,765	2,318	1,311	14,856	10,346	14,248
Oregon	2,750	1,654	10,761	9,336	9,509	1,250	1,064	8,344	7,631	7,821
California	---	18,598	---	97,903	112,596	---	---	---	---	---
Alaska	665	590	2,498	2,227	2,571	321	200	1,672	1,333	2,037
Hawaii	1,638	1,528	8,744	8,532	8,736	593	354	2,333	2,433	2,576

¹Excludes figures for State(s) shown below as not available.

²Figures for marriages are marriage licenses issued for some counties.

³Figures include adjustments for varying length of reporting periods; see Technical notes.

⁴Figures for marriages are marriage licenses issued.

⁵Figures for divorces include estimates for some counties.

NOTES: Figures include all revisions received from the States. Cumulative figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published.

Table 4. Provisional number of deaths under 1 year and infant mortality rates: each division and State, 12 months ending with June 1993 and 1994

[Data are estimates by State of residence; see Technical notes. Infant mortality rates are deaths under 1 year per 1,000 live births in specified area]

Area	12 months ending with June			
	1994		1993	
	Number	Rate	Number	Rate
New England	1,675	15.6	1,194	6.6
Maine	---	---	83	5.4
New Hampshire	91	6.1	76	5.2
Vermont	33	4.8	46	6.0
Massachusetts	449	5.2	545	6.5
Rhode Island	102	7.5	131	9.0
Connecticut	---	---	313	7.1
Middle Atlantic	12,256	18.2	4,909	8.7
New York	---	---	2,480	8.9
New Jersey	976	8.2	1,016	8.3
Pennsylvania	1,280	8.2	1,413	8.7
East North Central	5,842	9.2	6,033	9.2
Ohio	1,474	9.4	1,380	8.3
Indiana	740	9.0	828	9.7
Illinois	1,853	9.8	1,890	9.8
Michigan	1,244	9.0	1,407	9.9
Wisconsin	531	7.6	528	7.6
West North Central	1,992	7.8	2,061	8.1
Minnesota	470	7.3	463	7.2
Iowa	230	6.3	250	6.7
Missouri	615	8.1	690	9.2
North Dakota	63	7.3	59	6.7
South Dakota	122	11.4	113	10.1
Nebraska	179	8.0	168	7.5
Kansas	313	8.4	318	8.7
South Atlantic	6,078	9.1	6,562	9.7
Delaware	86	8.2	91	8.5
Maryland	672	9.2	702	9.2
District of Columbia	160	17.2	180	18.1
Virginia	728	7.8	934	9.7
West Virginia	163	7.3	224	10.0
North Carolina	1,005	10.0	1,069	10.6
South Carolina	487	9.0	555	10.0
Georgia	1,180	10.7	1,116	10.0
Florida	1,597	8.3	1,691	8.8
East South Central	2,145	9.3	2,321	9.9
Kentucky	441	8.5	471	8.9
Tennessee	646	8.7	698	9.5
Alabama	621	10.0	640	10.1
Mississippi	437	10.3	512	11.8
West South Central	3,853	8.0	3,812	8.0
Arkansas	303	8.8	312	9.1
Louisiana	659	9.7	672	9.7
Oklahoma	440	9.4	440	9.3
Texas ²	2,451	7.4	2,388	7.4
Mountain	1,710	7.0	1,917	7.7
Montana	95	8.5	83	7.4
Idaho	126	7.4	154	8.7
Wyoming	31	4.7	70	10.6
Colorado	361	6.6	429	7.9
New Mexico	265	9.5	218	7.7
Arizona	495	7.2	575	8.3
Utah	206	5.5	246	6.7
Nevada	131	6.2	142	6.3
Pacific	4,828	6.6	4,960	6.8
Washington	448	5.7	503	6.7
Oregon	291	6.8	312	7.5
California ²	3,889	6.7	3,923	6.7
Alaska	76	6.0	86	8.0
Hawaii	124	6.3	136	6.9

¹Excludes figures for State shown below as not available.

²Figures include adjustments for varying length of reporting periods; see Technical notes.

NOTES: Figures include all revisions received from the States. Figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published.

Table 5. Provisional number of deaths and death rates, by age, race, and sex, and age-adjusted death rates by race and sex: United States, May 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with May 1993 and 1994

[Data are provisional, estimated from a 10-percent sample of deaths. 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. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes]

Age, race, and sex	May				January–May				12 months ending with May							
	1994		1993		1994		1993		1994		1993					
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate				
All races, both sexes¹																
All ages	186,000	841.8	185,000	846.2	996,000	926.7	983,000	924.5	2,281,000	880.1	2,217,000	864.9				
Under 1 year	} 4,200	86.3	4,240	88.2	13,300	² 815.5	14,400	² 877.2	32,200	² 817.2	33,800	² 852.1				
1–4 years					3,130	47.7	3,150	48.5	7,010	44.3	6,890	44.1				
5–14 years					3,180	20.5	3,540	23.2	8,380	22.5	8,320	22.7				
15–24 years					2,850	93.3	2,850	93.2	14,190	95.3	13,810	92.6	35,510	98.6	34,770	96.4
25–34 years					4,530	128.6	5,020	140.8	23,450	136.4	24,380	140.1	59,010	141.6	58,780	139.4
35–44 years	8,270	234.2	7,730	224.0	40,670	237.3	39,660	236.6	97,570	236.8	94,780	235.1				
45–54 years	10,840	429.6	11,020	455.1	56,410	461.8	54,830	468.1	135,060	461.9	126,820	452.6				
55–64 years	20,180	1,130.8	20,520	1,155.3	102,570	1,180.8	104,740	1,210.8	240,140	1,145.1	241,770	1,156.1				
65–74 years	40,810	2,566.9	39,490	2,495.4	213,130	2,753.6	212,540	2,760.7	490,940	2,625.9	483,230	2,602.3				
75–84 years	51,690	5,557.5	52,590	5,762.7	283,430	6,276.0	279,650	6,308.4	641,490	5,900.9	623,410	5,843.2				
85 years and over	42,610	14,529.3	41,440	14,508.5	242,900	17,021.3	231,820	16,733.5	532,720	15,572.1	503,690	15,153.1				
Not stated	50	...	90	...	250	...	350	...	780	...	880	...				
Age-adjusted rate ³ . . . . .	...	492.5	...	498.3	...	529.9	...	534.6	...	511.8	...	507.9			
All races, male¹																
All ages	95,830	888.0	96,140	900.8	506,130	964.6	501,230	965.9	1,171,060	925.5	1,137,960	909.4				
Under 1 year	} 2,330	93.5	2,310	93.8	7,790	² 933.1	8,080	² 962.6	19,040	² 944.4	18,600	² 915.8				
1–4 years					1,880	56.0	1,780	53.5	4,080	50.4	3,840	48.0				
5–14 years					1,770	22.5	2,000	25.5	4,960	26.0	5,010	26.7				
15–24 years					2,130	136.5	2,140	136.8	11,010	144.8	10,410	136.4	27,020	146.9	26,210	142.0
25–34 years					3,200	181.6	3,790	212.4	16,710	194.5	17,830	204.8	43,220	207.4	43,160	204.5
35–44 years	6,010	343.1	5,520	322.6	28,540	335.7	27,410	329.8	67,770	331.7	65,380	327.3				
45–54 years	6,830	553.8	6,990	590.7	35,470	594.1	34,690	605.8	85,270	596.6	80,150	585.2				
55–64 years	12,360	1,457.6	12,550	1,490.0	62,970	1,525.9	63,280	1,543.0	146,610	1,472.1	145,240	1,465.3				
65–74 years	23,620	3,357.6	22,700	3,250.7	123,060	3,594.8	121,980	3,592.1	282,020	3,412.2	276,820	3,382.5				
75–84 years	25,510	7,144.6	26,390	7,586.0	138,640	8,006.5	138,170	8,182.7	317,000	7,614.7	308,120	7,591.0				
85 years and over	13,800	16,665.0	13,670	17,122.7	78,150	19,485.9	75,390	19,472.7	173,610	18,028.0	164,840	17,762.9				
Not stated	40	...	80	...	130	...	230	...	450	...	580	...				
Age-adjusted rate ³ . . . . .	...	638.4	...	651.0	...	685.4	...	691.2	...	664.1	...	657.2			
All races, female¹																
All ages	90,200	797.6	88,860	794.2	489,710	890.5	481,610	885.2	1,109,780	836.8	1,079,220	822.5				
Under 1 year	} 1,870	78.7	1,930	82.3	5,520	² 690.0	6,290	² 786.4	13,180	² 683.3	15,220	² 785.3				
1–4 years					1,400	18.7	1,540	20.7	3,420	18.8	3,310	18.5				
5–14 years					720	48.2	720	48.1	3,190	43.8	3,400	46.7	8,490	48.2	8,560	48.5
15–24 years					1,330	75.5	1,230	69.0	6,740	78.4	6,550	75.5	15,790	75.8	15,620	74.1
25–34 years					2,260	127.0	2,210	127.0	12,130	140.4	12,250	145.0	29,790	143.4	29,390	144.5
35–44 years	4,010	310.8	4,030	325.6	20,930	335.1	20,140	336.5	49,790	333.1	46,670	325.8				
45–54 years	7,820	834.8	7,970	853.5	39,610	868.7	41,460	911.6	93,530	849.3	96,530	877.5				
55–64 years	17,190	1,939.4	16,790	1,898.7	90,070	2,086.6	90,560	2,104.4	208,920	2,002.9	206,410	1,987.8				
65–74 years	26,180	4,568.0	26,200	4,639.6	144,790	5,200.6	141,480	5,154.9	324,490	4,837.4	315,290	4,769.9				
75–84 years	28,810	13,678.0	27,770	13,494.4	163,950	16,044.7	156,430	15,671.0	359,120	14,610.3	338,850	14,142.3				
85 years and over	10	...	10	...	120	...	120	...	330	...	300	...				
Not stated	10	...	10	...	120	...	120	...	330	...	300	...				
Age-adjusted rate ³ . . . . .	...	371.3	...	373.0	...	401.2	...	406.7	...	385.7	...	385.6			
White																
All ages	159,880	870.5	159,880	878.0	857,910	960.3	847,630	956.9	1,960,280	909.3	1,906,210	891.8				
Under 1 year	} 2,710	70.2	2,850	74.6	8,620	² 671.9	9,520	² 739.2	20,740	² 669.9	21,890	² 701.6				
1–4 years					2,100	40.3	2,150	41.8	4,870	38.9	4,810	38.8				
5–14 years					2,210	17.8	2,630	21.7	6,060	20.4	6,090	20.8				
15–24 years					2,150	88.0	2,040	83.1	10,010	84.1	9,490	79.4	24,870	86.3	24,250	83.7
25–34 years					3,430	118.9	3,600	122.9	16,450	116.7	17,570	122.9	42,100	123.2	41,900	120.7
35–44 years	5,780	196.3	5,680	196.8	28,400	198.7	28,180	201.1	68,840	200.2	68,030	201.6				
45–54 years	8,330	385.2	8,510	409.0	43,520	415.5	42,180	418.8	104,020	414.6	98,210	407.6				
55–64 years	16,450	1,064.0	16,780	1,087.6	83,870	1,113.9	85,640	1,139.2	196,200	1,078.8	197,540	1,086.0				
65–74 years	35,120	2,486.2	34,470	2,446.2	184,690	2,684.5	184,140	2,684.8	424,510	2,553.0	418,550	2,529.3				
75–84 years	46,730	5,544.8	47,720	5,768.6	254,760	6,225.2	251,980	6,270.1	577,240	5,856.7	560,840	5,798.0				
85 years and over	39,150	14,610.4	38,180	14,652.5	223,150	17,181.7	213,910	16,922.1	490,340	15,695.9	463,450	15,275.2				
Not stated	30	...	60	...	140	...	230	...	500	...	640	...				
Age-adjusted rate ³ . . . . .	...	466.5	...	474.0	...	501.5	...	506.3	...	483.7	...	480.0			

See footnotes at end of table.

Table 5. Provisional number of deaths and death rates, by age, race, and sex, and age-adjusted death rates by race and sex: United States, May 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with May 1993 and 1994—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. 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. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes]

Age, race, and sex	May				January–May				12 months ending with May			
	1994		1993		1994		1993		1994		1993	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
White male												
All ages	81,570	905.7	82,210	920.9	430,470	982.5	428,060	985.7	994,750	941.0	969,400	925.3
Under 1 year	1,520	76.7	1,540	78.5	5,030	² 763.5	5,350	² 810.4	12,130	² 765.3	12,270	² 766.4
1–4 years					1,290	48.5	1,240	46.6	2,880	44.8	2,770	43.6
5–14 years					1,190	18.8	1,490	23.9	3,650	23.9	3,650	24.3
15–24 years	1,570	125.3	1,480	117.4	7,690	125.7	7,080	115.2	18,600	125.7	18,120	121.7
25–34 years	2,490	170.9	2,800	189.1	11,940	168.0	13,180	182.4	31,120	180.3	31,470	179.4
35–44 years	4,430	300.1	4,160	287.7	20,190	281.6	20,040	285.3	48,560	281.8	48,160	284.9
45–54 years	5,340	500.1	5,380	523.9	27,600	533.8	26,810	539.5	66,460	536.5	62,520	525.7
55–64 years	10,190	1,372.1	10,500	1,419.9	52,040	1,439.6	52,520	1,457.9	120,690	1,382.3	120,480	1,382.8
65–74 years	20,210	3,212.2	19,960	3,190.5	106,880	3,489.8	106,760	3,507.4	245,910	3,324.0	241,690	3,293.7
75–84 years	23,220	7,158.9	23,960	7,585.6	125,110	7,953.0	124,860	8,144.0	286,130	7,563.6	277,940	7,540.4
85 years and over	12,580	16,793.6	12,360	17,141.2	71,420	19,697.4	68,590	19,610.6	158,320	18,176.8	149,950	17,872.5
Not stated	20	...	50	...	80	...	140	...	290	...	390	...
Age-adjusted rate ³	...	605.2	...	619.2	...	647.0	...	655.4	...	626.4	...	622.0
White female												
All ages	78,310	836.8	77,680	836.9	427,450	938.8	419,570	929.1	965,540	878.7	936,820	859.7
Under 1 year	1,180	62.7	1,310	70.4	3,600	² 572.6	4,170	² 667.4	8,610	² 569.8	9,630	² 634.0
1–4 years					810	32.0	910	35.9	1,990	32.6	2,050	34.0
5–14 years					1,020	16.9	1,140	19.3	2,410	16.7	2,440	17.1
15–24 years	580	48.8	550	46.0	2,320	40.0	2,410	41.2	6,280	44.7	6,130	43.5
25–34 years	940	65.8	800	55.2	4,500	64.7	4,390	62.1	10,970	64.9	10,430	60.8
35–44 years	1,350	92.0	1,510	104.9	8,210	115.1	8,140	116.2	20,280	118.2	19,870	118.0
45–54 years	2,990	273.1	3,130	297.1	15,920	300.0	15,370	301.4	37,560	295.6	35,690	292.4
55–64 years	6,260	779.1	6,280	781.8	31,820	813.2	33,130	846.2	75,510	798.5	77,060	813.2
65–74 years	14,910	1,903.2	14,500	1,850.7	77,810	2,039.0	77,380	2,028.3	178,600	1,935.0	176,870	1,920.4
75–84 years	23,500	4,533.0	23,760	4,646.3	129,650	5,145.5	127,130	5,114.7	291,100	4,793.3	282,900	4,725.2
85 years and over	26,570	13,763.3	25,820	13,700.3	151,730	16,207.3	145,330	15,892.8	332,020	14,736.8	313,500	14,282.5
Not stated	10	...	10	...	60	...	90	...	210	...	250	...
Age-adjusted rate ³	...	350.5	...	354.0	...	380.8	...	383.8	...	365.2	...	363.1
Black												
All ages	23,030	831.9	22,270	817.5	122,380	909.9	120,280	908.8	284,160	877.1	275,640	864.9
Under 1 year	1,260	166.3	1,280	171.3	4,140	² 1,579.4	4,480	² 1,680.8	10,370	² 1,635.6	10,750	² 1,674.5
1–4 years					860	82.8	920	88.3	1,740	69.4	1,790	72.2
5–14 years					810	33.6	760	32.6	1,950	34.0	1,890	33.7
15–24 years	600	131.1	730	161.0	3,690	166.2	3,750	169.8	9,380	174.7	9,030	169.2
25–34 years	970	209.3	1,200	257.6	6,160	273.0	6,080	267.9	14,980	273.8	15,150	275.9
35–44 years	2,290	537.8	1,890	458.9	11,430	553.6	10,460	523.7	26,430	533.5	24,150	504.1
45–54 years	2,300	885.9	2,300	930.9	11,610	925.1	11,410	954.7	27,890	930.9	25,560	896.2
55–64 years	3,210	1,812.7	3,260	1,862.4	16,400	1,905.5	16,900	1,985.8	38,740	1,867.0	39,210	1,910.8
65–74 years	5,060	3,721.3	4,520	3,364.1	25,290	3,822.3	25,200	3,859.3	58,930	3,694.7	57,230	3,638.3
75–84 years	4,370	6,251.9	4,310	6,257.3	25,310	7,452.5	24,460	7,303.0	56,270	6,887.4	55,360	6,860.0
85 years and over	2,970	14,273.2	2,750	13,215.9	16,540	16,371.1	15,740	15,605.6	37,200	15,245.9	35,280	14,639.0
Not stated	20	...	30	...	110	...	120	...	280	...	240	...
Age-adjusted rate ³	...	748.0	...	739.2	...	808.2	...	812.7	...	785.7	...	776.2
Black male												
All ages	12,380	942.6	12,190	943.9	66,670	1,044.9	64,710	1,031.4	155,480	1,011.8	148,510	983.1
Under 1 year	680	177.0	680	179.7	2,500	² 1,889.1	2,510	² 1,858.3	6,300	² 1,962.6	5,760	² 1,772.3
1–4 years					460	89.3	490	94.0	970	76.4	930	74.2
5–14 years					470	39.7	410	33.8	1,080	37.2	1,120	39.5
15–24 years	450	196.8	580	256.2	2,930	263.5	2,900	262.1	7,540	281.0	6,990	262.3
25–34 years	630	287.3	800	363.3	4,200	393.7	4,120	385.0	10,730	414.6	10,480	403.7
35–44 years	1,460	734.9	1,280	667.4	7,790	809.2	6,780	729.4	17,750	768.7	15,690	703.9
45–54 years	1,320	1,121.4	1,500	1,339.0	7,010	1,232.1	7,190	1,326.2	16,850	1,240.8	15,790	1,221.2
55–64 years	1,930	2,499.9	1,790	2,349.6	9,640	2,567.4	9,600	2,592.7	22,940	2,534.8	21,940	2,454.1
65–74 years	2,990	5,301.9	2,460	4,428.8	14,350	5,230.7	13,490	4,995.1	32,070	4,851.7	31,170	4,788.0
75–84 years	1,920	7,637.3	2,050	8,294.5	11,730	9,608.1	11,450	9,525.9	26,330	8,986.3	26,040	8,979.3
85 years and over	980	16,251.7	1,020	16,680.1	5,530	18,827.1	5,670	19,035.6	12,760	17,971.8	12,420	17,742.9
Not stated	20	...	30	...	50	...	90	...	160	...	190	...
Age-adjusted rate ³	...	992.4	...	988.0	...	1,088.9	...	1,075.8	...	1,056.6	...	1,027.1

See footnotes at end of table.

Table 5. Provisional number of deaths and death rates, by age, race, and sex, and age-adjusted death rates by race and sex: United States, May 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with May 1993 and 1994—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. 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. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes]

Age, race, and sex	May				January–May				12 months ending with May							
	1994		1993		1994		1993		1994		1993					
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate				
Black female																
All ages	10,650	732.0	10,070	702.8	55,700	787.9	55,570	798.2	128,680	755.6	127,130	758.4				
Under 1 year	} 580	155.2	600	162.7	1,640	² 1,276.5	1,970	² 1,499.3	4,060	² 1,297.1	4,990	² 1,574.1				
1–4 years					400	78.1	430	84.5	770	62.2	860	70.3				
5–14 years					340	29.0	350	30.4	870	30.8	770	27.8				
15–24 years					150	65.5	140	61.7	760	67.3	860	77.8	1,840	68.5	2,040	76.3
25–34 years					340	139.3	400	162.9	1,960	164.6	1,950	163.0	4,250	147.4	4,670	161.3
35–44 years	830	365.3	610	277.2	3,640	331.2	3,680	344.6	8,680	328.2	8,470	330.6				
45–54 years	980	690.5	800	592.4	4,600	670.5	4,210	645.1	11,040	674.0	9,770	626.7				
55–64 years	1,280	1,281.5	1,470	1,486.9	6,770	1,393.9	7,300	1,519.6	15,810	1,351.3	17,270	1,491.4				
65–74 years	2,070	2,601.1	2,060	2,613.7	10,950	2,827.3	11,710	3,058.2	26,860	2,875.8	26,060	2,826.5				
75–84 years	2,440	5,451.4	2,260	5,117.2	13,580	6,246.4	13,010	6,057.0	29,940	5,713.7	29,320	5,671.2				
85 years and over	1,990	13,465.9	1,730	11,774.2	11,020	15,351.8	10,060	14,154.9	24,440	14,127.2	22,860	13,368.4				
Not stated	—	...	—	...	60	...	30	...	120	...	50	...				
Age-adjusted rate ³ . . . . .	...	561.2	...	548.5	...	593.0	...	612.3	...	576.4	...	585.1			

¹Includes races other than white and black.

²Death rates under 1 year (based on population estimates) differ from infant mortality rates (based on live births); see table 9 for infant mortality rates.

³For method of computation, see Technical notes.

NOTES: Figures include all revisions received from the States. Cumulative and 12-month figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published.

Table 6. Provisional number of deaths and death rates for 72 selected causes and Human immunodeficiency virus infection: United States, May 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with May 1993 and 1994

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes. For explanation of the asterisk preceding cause-of-death codes, see Technical notes]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	May		January–May				12 months ending with May					
	1994		1993		1994		1993		1994		1993	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All causes	186,000	841.8	185,000	846.2	996,000	926.7	983,000	924.5	2,281,000	880.1	2,217,000	864.9
Shigellosis and amebiasis	—	*	—	*	10	*	—	*	10	*	—	*
Certain other intestinal infections	50	*	30	*	380	0.3	260	0.2	690	0.3	680	0.3
Tuberculosis	180	0.8	100	*	670	0.6	680	0.6	1,520	0.6	1,500	0.6
Tuberculosis of respiratory system	140	0.6	70	*	540	0.5	550	0.5	1,210	0.5	1,180	0.5
Other tuberculosis	40	*	30	*	130	0.1	130	0.1	300	0.1	320	0.1
Whooping cough	—	*	—	*	20	*	10	*	20	*	20	*
Streptococcal sore throat, scarlatina, and erysipelas	—	*	—	*	—	*	—	*	—	*	—	*
Meningococcal infection	20	*	20	*	130	0.1	150	0.1	260	0.1	280	0.1
Septicemia	1,540	7.0	1,440	6.6	9,200	8.6	8,770	8.2	20,830	8.0	19,920	7.8
Acute poliomyelitis	—	*	—	*	—	*	—	*	—	*	—	*
Measles	10	*	—	*	10	*	—	*	10	*	—	*
Viral hepatitis	170	0.8	240	1.1	1,070	1.0	1,060	1.0	2,530	1.0	2,200	0.9
Syphilis	—	*	10	*	60	*	20	*	140	0.1	50	*
All other infectious and parasitic diseases ¹	3,870	17.5	3,630	16.6	18,980	17.7	17,910	16.8	45,210	17.4	41,050	16.0
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	44,430	201.0	42,700	195.3	222,780	207.3	220,600	207.5	533,450	205.8	525,470	205.0
Malignant neoplasms of lip, oral cavity, and pharynx	680	3.1	650	3.0	3,220	3.0	3,360	3.2	8,020	3.1	8,150	3.2
Malignant neoplasms of digestive organs and peritoneum	10,420	47.1	10,160	46.5	52,160	48.5	50,120	47.1	125,500	48.4	121,550	47.4
Malignant neoplasms of respiratory and intrathoracic organs	13,000	58.8	12,080	55.2	63,570	59.1	64,310	60.5	153,190	59.1	152,570	59.5
Malignant neoplasm of breast	3,790	17.1	3,770	17.2	18,360	17.1	18,990	17.9	44,070	17.0	44,340	17.3
Malignant neoplasms of genital organs	4,880	22.1	4,930	22.5	25,250	23.5	25,750	24.2	60,240	23.2	59,800	23.3
Malignant neoplasms of urinary organs	1,880	8.5	1,290	5.9	9,570	8.9	9,040	8.5	22,660	8.7	21,990	8.6
Malignant neoplasms of all other and unspecified sites	5,650	25.6	5,420	24.8	27,890	26.0	27,170	25.6	67,100	25.9	64,510	25.2
Leukemia	1,490	6.7	1,620	7.4	8,480	7.9	8,230	7.7	19,190	7.4	19,830	7.7
Other malignant neoplasms of lymphatic and hematopoietic tissues	2,640	11.9	2,780	12.7	14,260	13.3	13,620	12.8	33,480	12.9	32,720	12.8
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature	670	3.0	690	3.2	3,310	3.1	3,260	3.1	8,090	3.1	7,590	3.0
Diabetes mellitus	4,720	21.3	4,660	21.3	24,150	22.5	24,270	22.8	54,910	21.2	51,950	20.3
Nutritional deficiencies	210	0.9	360	1.6	1,360	1.3	1,390	1.3	3,290	1.3	3,160	1.2
Anemias	300	1.4	370	1.7	1,730	1.6	1,920	1.8	4,330	1.7	4,320	1.7
Meningitis	130	0.6	50	*	490	0.5	380	0.4	930	0.4	750	0.3
Major cardiovascular diseases	76,600	346.6	76,520	350.0	416,610	387.7	416,470	391.8	940,640	363.0	928,440	362.2
Diseases of heart	59,700	270.1	59,730	273.2	324,110	301.6	325,790	306.5	735,300	283.7	729,070	284.4
Rheumatic fever and rheumatic heart disease	540	2.4	510	2.3	2,510	2.3	2,500	2.4	5,580	2.2	5,810	2.3
Hypertensive heart disease	1,960	8.9	1,860	8.5	10,400	9.7	10,450	9.8	23,220	9.0	23,390	9.1
Hypertensive heart and renal disease	160	0.7	160	0.7	830	0.8	950	0.9	2,160	0.8	2,350	0.9
Ischemic heart disease	39,830	180.2	39,360	180.0	214,350	199.5	215,280	202.5	484,590	187.0	483,130	188.5
Acute myocardial infarction	18,920	85.6	18,130	82.9	100,770	93.8	99,440	93.5	228,020	88.0	227,070	88.6
Other acute and subacute forms of ischemic heart disease	170	0.8	200	0.9	1,150	1.1	1,190	1.1	2,920	1.1	2,780	1.1
Angina pectoris	40	*	20	*	400	0.4	290	0.3	840	0.3	890	0.3
Old myocardial infarction and other forms of chronic ischemic heart disease	20,700	93.7	21,000	96.1	112,040	104.2	114,350	107.6	252,820	97.6	252,390	98.5
Other diseases of endocardium	1,180	5.3	1,180	5.4	6,270	5.8	6,330	5.9	14,420	5.6	14,550	5.7
All other forms of heart disease	16,040	72.6	16,660	76.2	89,750	83.5	90,280	84.9	205,330	79.2	199,840	78.0
Hypertension with or without renal disease	730	3.3	790	3.6	4,900	4.6	4,520	4.3	10,920	4.2	10,340	4.0
Cerebrovascular diseases	12,590	57.0	12,560	57.4	67,740	63.0	66,610	62.7	150,630	58.1	147,160	57.4
Intracerebral and other intracranial hemorrhage	1,750	7.9	1,830	8.4	9,230	8.6	9,850	9.3	20,650	8.0	21,730	8.5
Cerebral thrombosis and unspecified occlusion of cerebral arteries	1,280	5.8	1,350	6.2	6,680	6.2	6,970	6.6	15,520	6.0	15,790	6.2

See footnotes at end of table.

Table 6. Provisional number of deaths and death rates for 72 selected causes and Human immunodeficiency virus infection: United States, May 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with May 1993 and 1994—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes. For explanation of the asterisk preceding cause-of-death codes, see Technical notes.]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	May		January–May				12 months ending with May						
	1994		1993		1994		1993		1994		1993		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Cerebral embolism	434.1	70	*	60	*	410	0.4	240	0.2	660	0.3	590	0.2
All other and late effects of cerebrovascular diseases	430,433,435–438	9,490	42.9	9,320	42.6	51,430	47.9	49,540	46.6	113,800	43.9	109,050	42.5
Atherosclerosis	440	1,450	6.6	1,150	5.3	8,160	7.6	7,680	7.2	17,530	6.8	16,810	6.6
Other diseases of arteries, arterioles, and capillaries	441–448	2,120	9.6	2,290	10.5	11,700	10.9	11,870	11.1	26,250	10.1	25,070	9.8
Acute bronchitis and bronchiolitis	466	40	*	10	*	380	0.3	320	0.3	620	0.2	570	0.2
Pneumonia and influenza	480–487	6,220	28.1	6,620	30.3	42,270	39.3	39,280	37.0	82,710	31.9	77,510	30.2
Pneumonia	480–486	6,220	28.1	6,600	30.2	41,090	38.2	38,630	36.3	81,260	31.4	76,780	30.0
Influenza	487	–	*	20	*	1,180	1.1	650	0.6	1,450	0.6	720	0.3
Chronic obstructive pulmonary diseases and allied conditions	490–496	8,580	38.8	9,090	41.6	48,460	45.1	47,080	44.3	102,000	39.4	94,990	37.1
Bronchitis, chronic and unspecified	490–491	350	1.6	300	1.4	1,810	1.7	1,800	1.7	3,600	1.4	3,710	1.4
Emphysema	492	1,540	7.0	1,630	7.5	7,980	7.4	8,500	8.0	17,460	6.7	17,560	6.9
Asthma	493	370	1.7	490	2.2	2,470	2.3	2,230	2.1	5,100	2.0	4,650	1.8
Other chronic obstructive pulmonary diseases and allied conditions	494–496	6,330	28.6	6,680	30.6	36,210	33.7	34,540	32.5	75,840	29.3	69,070	26.9
Ulcer of stomach and duodenum	531–533	590	2.7	410	1.9	2,800	2.6	2,520	2.4	5,820	2.2	5,730	2.2
Appendicitis	540–543	10	*	60	*	90	*	220	0.2	320	0.1	370	0.1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia	550–553,560	370	1.7	400	1.8	2,440	2.3	2,270	2.1	5,950	2.3	5,700	2.2
Chronic liver disease and cirrhosis	571	2,090	9.5	2,000	9.1	10,690	9.9	10,440	9.8	24,920	9.6	25,020	9.8
Cholelithiasis and other disorders of gallbladder	574–575	220	1.0	250	1.1	1,160	1.1	1,210	1.1	2,620	1.0	2,870	1.1
Nephritis and nephrotic syndrome, and nephrosis	580–589	2,020	9.1	2,100	9.6	10,940	10.2	11,380	10.7	24,220	9.3	24,200	9.4
Acute glomerulonephritis and nephrotic syndrome	580–581	20	*	10	*	130	0.1	120	0.1	340	0.1	240	0.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified	582–583,587	140	0.6	150	0.7	660	0.6	670	0.6	1,560	0.6	1,450	0.6
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause	584–586,588–589	1,870	8.5	1,930	8.8	10,150	9.4	10,590	9.9	22,320	8.6	22,510	8.8
Infections of kidney	590	80	*	100	*	500	0.4	450	0.4	1,030	0.4	1,070	0.4
Hyperplasia of prostate	600	40	*	30	*	180	0.2	180	0.2	450	0.2	360	0.1
Complications of pregnancy, childbirth, and the puerperium	630–676	30	*	10	*	120	0.1	150	0.1	270	0.1	350	0.1
Pregnancy with abortive outcome	630–638	10	*	–	*	40	*	30	*	70	*	50	*
Other complications of pregnancy, childbirth, and the puerperium	640–676	20	*	10	*	80	*	120	0.1	200	0.1	300	0.1
Congenital anomalies	740–759	890	4.0	1,080	4.9	4,610	4.3	4,900	4.6	11,330	4.4	12,050	4.7
Certain conditions originating in the perinatal period	760–779	1,330	6.0	1,450	6.6	5,850	5.4	6,390	6.0	15,080	5.8	15,540	6.1
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome	767–769	150	0.7	250	1.1	1,000	0.9	1,220	1.2	2,700	1.0	3,120	1.2
Other conditions originating in the perinatal period	760–766,770–779	1,170	5.3	1,210	5.5	4,840	4.5	5,160	4.8	12,380	4.8	12,420	4.8
Symptoms, signs, and ill-defined conditions	780–799	3,440	15.6	3,380	15.5	17,120	15.9	17,210	16.2	39,200	15.1	37,310	14.6
All other diseases	Residual	15,820	71.6	15,570	71.2	89,530	83.3	86,100	81.0	200,880	77.5	186,780	72.9
Accidents and adverse effects	E800–E949	6,970	31.5	6,910	31.6	34,710	32.3	32,620	30.7	89,100	34.4	83,520	32.6
Motor vehicle accidents	E810–E825	3,310	15.0	3,090	14.1	15,700	14.6	14,710	13.8	41,770	16.1	40,300	15.7
All other accidents and adverse effects	E800–E807,E826–E949	3,660	16.6	3,820	17.5	19,010	17.7	17,910	16.9	47,330	18.3	43,220	16.9
Suicide	E950–E959	2,330	10.5	2,670	12.2	12,450	11.6	12,190	11.5	30,260	11.7	28,710	11.2
Homicide and legal intervention	E960–E978	1,900	8.6	1,860	8.5	9,660	9.0	9,590	9.0	24,850	9.6	24,670	9.6
All other external causes	E980–E999	160	0.7	170	0.8	920	0.9	1,160	1.1	2,360	0.9	2,460	1.0
Human immunodeficiency virus infection ²	*042–*044	3,280	14.8	2,990	13.7	16,120	15.0	14,770	13.9	38,320	14.8	34,070	13.3

¹Includes data for deaths due to Human immunodeficiency virus infection (category nos. *042–*044) shown separately below; see Technical notes.

²Included in All other infectious and parasitic diseases shown above.

NOTES: Figures include all revisions received from the States. Cumulative and 12-month figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published.

Table 7. Provisional number of deaths and death rates for 16 selected subcategories of Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues: United States, May 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with May 1993 and 1994

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	May		January–May				12 months ending with May					
	1994		1993		1994		1993		1994		1993	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues ¹140–208	44,430	201.0	42,700	195.3	222,780	207.3	220,600	207.5	533,450	205.8	525,470	205.0
Malignant neoplasm of esophagus150	980	4.4	900	4.1	4,830	4.5	4,040	3.8	11,020	4.3	10,390	4.1
Malignant neoplasm of stomach151	1,240	5.6	1,020	4.7	5,470	5.1	5,580	5.2	13,730	5.3	13,190	5.1
Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus153,154	4,640	21.0	4,860	22.2	23,970	22.3	22,870	21.5	57,680	22.3	55,780	21.8
Malignant neoplasm of pancreas157	2,350	10.6	2,050	9.4	11,270	10.5	11,070	10.4	26,780	10.3	26,550	10.4
Malignant neoplasms of trachea, bronchus, and lung162	12,600	57.0	11,690	53.5	61,460	57.2	62,360	58.6	147,990	57.1	147,650	57.6
Malignant melanoma of skin172	660	3.0	490	2.2	3,040	2.8	2,770	2.6	7,050	2.7	6,770	2.6
Malignant neoplasm of cervix uteri180	360	1.6	270	1.2	1,870	1.7	1,960	1.8	4,720	1.8	4,540	1.8
Malignant neoplasms of body of uterus and of uterus, part unspecified179,182	500	2.3	510	2.3	2,460	2.3	2,530	2.4	5,920	2.3	6,170	2.4
Malignant neoplasm of ovary183.0	1,220	5.5	1,050	4.8	5,370	5.0	5,450	5.1	12,680	4.9	12,890	5.0
Malignant neoplasm of prostate185	2,700	12.2	2,950	13.5	14,650	13.6	15,110	14.2	34,880	13.5	34,510	13.5
Malignant neoplasm of bladder188	1,000	4.5	650	3.0	4,800	4.5	4,580	4.3	11,240	4.3	10,890	4.2
Malignant neoplasms of kidney and other and unspecified urinary organs189	880	4.0	630	2.9	4,770	4.4	4,470	4.2	11,420	4.4	11,100	4.3
Malignant neoplasms of brain and other and unspecified parts of nervous system191,192	820	3.7	820	3.7	4,650	4.3	4,540	4.3	11,270	4.3	10,870	4.2
Hodgkin's disease201	100	*	90	*	640	0.6	690	0.6	1,550	0.6	1,740	0.7
Malignant lymphoma other than Hodgkin's disease200,202	1,830	8.3	1,860	8.5	9,310	8.7	8,730	8.2	21,930	8.5	21,210	8.3
Multiple myeloma and other immunoproliferative neoplasms203	710	3.2	830	3.8	4,310	4.0	4,200	4.0	10,000	3.9	9,770	3.8

¹Includes figures for subcategories not shown below.

NOTES: Figures include all revisions received from the States. Cumulative and 12-month figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published.

Table 8. Provisional number of deaths and death rates for injury by firearms: United States, May 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with May 1993 and 1994

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes]

Cause of death (Ninth Revision, International Classification of Diseases, 1975)	May		January–May				12 months ending with May					
	1994		1993		1994		1993		1994		1993	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Injury by firearmsE922,E955.0–E955.4,E965.0–965.4,E970,E985.0–E985.4	2,830	12.8	3,110	14.2	15,360	14.3	15,260	14.4	38,900	15.0	36,870	14.4
Accident caused by firearm missileE922	100	*	140	0.6	540	0.5	730	0.7	1,480	0.6	1,690	0.7
Suicide by firearmsE955.0–E955.4	1,480	6.7	1,640	7.5	7,910	7.3	7,500	7.0	19,210	7.4	17,750	6.9
Homicide and legal intervention by firearmsE965.0–E965.4,E970	1,240	5.6	1,330	6.1	6,840	6.4	6,880	6.5	17,910	6.9	17,130	6.7
Injury by firearms, undetermined whether accidentally or purposely inflictedE985.0–E985.4	10	*	–	*	80	*	150	0.2	300	0.1	310	0.1

NOTES: Figures include all revisions received from the States. Cumulative and 12-month figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published.

Table 9. Provisional number of deaths under 1 year and infant mortality rates, by age and for 10 selected causes: United States, May 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with May 1993 and 1994

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 live births. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes]

Age and cause of death (Ninth Revision, International Classification of Diseases, 1975)	May				January–May				12 months ending with May			
	1994		1993		1994		1993		1994		1993	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Total, under 1 year	2,700	818.5	2,900	877.8	13,300	815.7	14,400	864.3	32,200	809.6	33,800	840.4
Under 28 days	1,640	489.9	1,900	572.9	7,920	484.5	8,660	521.1	20,650	518.6	21,230	527.5
28 days to 11 months	1,090	325.6	1,010	304.6	5,390	329.7	5,700	343.0	11,570	290.6	12,590	312.8
Certain gastrointestinal diseases008–009,535,555–558	10	*	–	*	90	*	80	*	210	5.3	300	7.5
Pneumonia and influenza480–487	30	*	50	*	270	16.5	270	16.2	470	11.8	570	14.2
Congenital anomalies740–759	450	134.4	620	187.0	2,670	163.3	2,790	167.9	6,600	165.7	7,110	176.7
Disorders relating to short gestation and unspecified low birthweight765	450	134.4	360	108.6	1,670	102.2	1,670	100.5	4,100	103.0	3,880	96.4
Birth trauma767	20	*	20	*	110	6.7	70	*	180	4.5	180	4.5
Intrauterine hypoxia and birth asphyxia768	10	*	30	*	180	11.0	270	16.2	560	14.1	700	17.4
Respiratory distress syndrome769	120	35.8	180	54.3	690	42.2	870	52.3	1,910	48.0	2,190	54.4
Other conditions originating in the perinatal period760–764,766,770–779	690	206.1	800	241.2	3,040	186.0	3,420	205.8	8,050	202.2	8,390	208.5
Sudden infant death syndrome798.0	280	83.6	320	96.5	1,590	97.3	2,010	120.9	3,870	97.2	4,200	104.4
All other causesResidual	670	200.1	510	153.8	3,010	184.1	2,930	176.3	6,270	157.5	6,310	156.8

NOTES: Figures include all revisions received from the States. Cumulative and 12-month figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published.

Technical notes

Nature and sources of data

Data in this report are provisional unless otherwise specified and include only events occurring within the United States. Mortality data exclude fetal deaths.

Birth, death, and infant death figures in tables 2 and 4 for each State are estimates by State of residence. These estimates are derived by applying adjustment ratios to the actual counts of certificates for all events occurring in the State and received in registration offices during a 1-month period regardless of date of the event. The adjustment ratios for each data year represent the observed relationship between final State occurrence and residence figures for the three most recent years for which final data were available and are expressed as a single ratio for each State. As in previous years, monthly State marriage and divorce figures represent the actual count of all events occurring in the State (State of occurrence) that were received in the registration offices during the 1-month period. Delay in the receipt of certificates in a registration office may result in a low State figure for a given month followed by a high figure for the month(s) in which the delayed records are received. Data for previous months and cumulative data include revised figures received from the States.

Figures for births, deaths, and infant deaths for California shown in tables 2 and 4 contain adjustments for varying length of State reporting periods. Figures for Texas for all events shown in tables 2-4 also are adjusted for varying length of State reporting periods. The figures for both States are adjusted by the ratio between the number of days in the data month and the number of days in the State reporting period. The adjusted figures are included in the U.S. totals shown elsewhere in this report.

U.S. totals for births, deaths, and infant deaths are based on the State estimates by State of residence and, therefore, in effect, exclude events to nonresidents of the United States. Events to nonresidents of the United

States are included in all marriage and divorce figures. The effect of excluding events to nonresidents from the U.S. totals is small.

Provisional totals for the United States include estimates for State data shown as not available. Provisional totals for births and marriages for the entire United States include adjustments for observed differences between provisional and final monthly figures.

Divorce figures include reported annulments. The monthly national divorce estimate is obtained by multiplying the total for the reporting areas by the ratio observed between the most recent final annual divorce total for the United States and the provisional total for the reporting areas combined.

Random variation—Although the counts in this report are not subject to sampling variability (except the Current Mortality Sample), they may be affected by random variation. When the number of events is small 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 random variation as follows:

If N is the number of events in the population and R is the corresponding rate, the chances are 19 in 20 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 at the 0.05 level if it exceeds

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

Additional information on random variation in numbers of events, rates, and ratios may be found in the technical

appendixes of *Vital Statistics of the United States, 1989*, volumes I and II.

Rates

Rates are on an annual basis and, except for infant mortality rates, are per 1,000 or 100,000 estimated population residing in the United States. The populations used for computing these rates are furnished by the U.S. Bureau of the Census. Rates shown in this report were computed using populations comparable to those used for final data. Monthly rates are based on populations estimated for the specific month. Year-to-date rates are averages of monthly rates that have been weighted by the number of days in the corresponding months. Rates for 12-month periods are the sum of events for the period per population estimated at the midpoint of the period.

Infant mortality rates are deaths under 1 year of age for the specified period (monthly, year-to-date, or 12-month period) per 1,000 or 100,000 live births. Births used for computing monthly and year-to-date infant mortality rates are adjusted for monthly variation in the number of births. Births used to compute 12-month rates do not contain this adjustment. Births used for computing infant mortality rates are not corrected for observed differences between provisional and final monthly figures as described in Nature and sources of data. Because monthly infant mortality rates are based on relatively few events, they are highly variable. Therefore, comparisons of monthly infant mortality rates should be interpreted cautiously; see Random variation.

Age-adjusted death rates are used to compare relative mortality risks across groups and over time. However, they should be viewed as constructs or indexes rather than as direct or actual measures of mortality risk. Statistically, they are weighted averages of the age-specific death rates, where the weights represent the fixed population proportions by age. See chapter 5 of an earlier report (3). The age-adjusted death rates presented in this report were computed by the direct method, that is, by applying age-specific death rates to the U.S. standard million population (4). See also chapter 10 of an earlier report (3). Age groups in table 5 were used to compute the age-adjusted

rates shown in that table. The age-adjusted death rates on which the State maps are based and which are shown with the State maps were computed from average annual age-specific death rates in 10-year age groups for the specified 3-year period. The average annual age-specific death rates were computed by dividing the number of deaths in an age group for the 3-year period by three times the population in that age group estimated at the midpoint of the period (5). It is important not to compare age-adjusted rates with crude rates.

Current Mortality Sample

The Current Mortality Sample (CMS) is a 10-percent systematic sample of death certificates drawn each month after the certificates are counted in the State registration offices. Deaths and death rates for the United States by age, race, sex, and cause are estimated based on the sample. Because of the additional time required to select and process the certificates, data based on the CMS are published 1 month after publication of the U.S. and State counts. Complete information concerning the underlying cause of death sometimes is not available when the sample is drawn. As a result, estimates based on sample counts for certain causes are biased. Correction for bias is not made in this report but is made in the annual summary (issue number 13 in this series) each year.

Estimated numbers of deaths based on the sample were proportionately adjusted to be consistent with estimates based on the count of death certificates received in State registration offices.

HIV infection—Beginning with data for 1987, the National Center for Health Statistics introduced category numbers *042–*044 for classifying and coding Human immunodeficiency virus infection. The asterisk before the category numbers indicates that these codes are not part of the *Ninth Revision, International Classification of Diseases*. Deaths classified to these categories are included in All other infectious and parasitic diseases in the List of 72 Selected Causes of Death and are also shown separately at the bottom of table 6.

Sampling variability—Because the estimates of deaths and death rates presented in this report (with the exception of total deaths and deaths under 1 year) are based on a sample of death certificates, they are subject to sampling variability. The estimated relative standard error shown in the following table is a measure of the sampling error of the estimated number of deaths (or of the estimated death rate) expressed as a percent of the estimate. The first column refers to monthly estimates; the second, to annual; cumulative year-to-date totals fall between the two.

The chances are about 2 in 3 that the percent difference between an estimate and the result of a complete count is less than the percent shown. The chances are about 19 in 20 that the percent difference is less than twice the percent shown. A figure based on 100 or fewer estimated deaths has a relative standard error of 30 percent or more and is, therefore, considered unreliable. A rate based on 100 or fewer estimated deaths has been replaced by an asterisk.

Unless otherwise specified, comparisons made in the text between death rates based on the CMS were 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.

Mortality Surveillance System—The Mortality Surveillance System (MSS) charts are based entirely on monthly provisional data from the CMS. Where sample size permits, age-race-sex comparisons are made for the causes of death. Where sample size is too small, only age-sex comparisons are made. A time series regression model of the following form was used:

$$Y(t) = A_0 + A_1t + A_2t^2 + C \cos(2\pi t/12) + S \sin(2\pi t/12) + \epsilon_t$$

where

$Y(t)$ = monthly death rate at time t

t = month number

A_0 = coefficient, which, together with C determines the Y -intercept

A_1 = coefficient of t

A_2 = coefficient of t^2

C, S = coefficients of the harmonic terms

ϵ_t = error terms, assumed to be independent and normally distributed with means 0 and constant variances,

and $\cos(2\pi t/12)$ and $\sin(2\pi t/12)$ are 12-month period harmonic functions.

The coefficients of this model were estimated using provisional monthly death rates for January 1985 through the month that is 12 months prior to the latest month shown in the chart. The graph of the estimated equation and 95-percent prediction intervals is shown for January 1986 through the month that is 12 months prior to the latest month shown in the chart; the graph for the subsequent 12 months is projected (6). Symbols in each chart represent actual monthly death rates based on the CMS. In some cases the data are converted by the natural logarithm before fitting the model. For graphical purposes the data are converted back to rates by the inverse of the natural logarithm. This procedure has the advantage of avoiding negative prediction intervals for the model. The models, parameter estimates, and statistical tests for lack of fit are available on request for the charts published in the MSS. Time series

Relative standard errors for estimated numbers of deaths from the Current Mortality Sample expressed as a percent of the estimate

Estimated number of deaths	Relative standard error of estimate (as percent)	
	170,000 estimated deaths each month	2,000,000 estimated deaths each year
10	94.9	94.9
20	67.1	67.1
50	42.4	42.4
100	30.0	30.0
200	21.2	21.2
500	13.4	13.4
1,000	9.5	9.5
2,000	6.7	6.7
5,000	4.2	4.2
10,000	2.9	3.0
20,000	2.0	2.1
50,000	1.1	1.3
100,000	0.6	0.9
200,000 . . . . .	...	0.6
500,000 . . . . .	...	0.4
1,000,000 . . . . .	...	0.2

regression models have been used previously to describe trends in mortality data (7-9). A list of MSS cause-of-death topics and comparable *Healthy People 2000* (2) objectives is presented on the back of this report.

State maps

Unlike other data presented in this report, the State maps are based on final data instead of provisional data. The age-adjusted death rates used to produce the State maps were computed by using a 3-year total number of deaths for 1989-91 and the 1990 census population enumerated as of April 1, 1990 (5). Assigning the States into the given categories on the maps was carried out in two steps: a) determining whether the State age-adjusted death rate differed significantly from the corresponding U.S. rate at the 0.05 level of significance; b) then grouping the State rates found to be significantly different from the U.S. rate into the four categories: 10 highest State rates of those significantly greater than the U.S. rate, remaining State rates significantly greater than the U.S. rate, 10 lowest State rates of those significantly lower than the U.S. rate, and remaining State rates significantly lower than the U.S. rate. Age-adjusted death rates and the corresponding 95-percent confidence intervals are shown in the tables. The symbols † and †† in the tables are used to denote State rates that differ significantly from the U.S. rate at the 0.05 and 0.01 levels of significance, respectively. Different procedures were used to determine tests of statistical significance and confidence intervals, depending on the number of deaths.

For 50 deaths or more, the standard normal Z statistic was used to perform the significance test:

$$Z = (R'_s - R'_{us}) / \sqrt{S^2(R'_s) + S^2(R'_{us})}$$

where

R'_s = age-adjusted rate for

1989-91 for the given State per 100,000 U.S. standard million population

R'_{us} = age-adjusted rate for 1989-91 for the United States per 100,000 U.S. standard million population

$S^2(R'_s)$ = estimated variance of the age-adjusted death rate for 1989-91 for the State

$S^2(R'_{us})$ = estimated variance of the age-adjusted death rate for 1989-91 for the United States

The variance of the age-adjusted death rate was computed in terms of the variances of age-specific death rates (10) under the assumption that the age-specific death rates are binomial proportions (11). The 95-percent confidence limits were estimated as follows:

$$\text{Lower limit} = R'_s - 1.96 \cdot S(R'_s)$$

and

$$\text{Upper limit} = R'_s + 1.96 \cdot S(R'_s)$$

For 1-49 deaths the lower and upper 95-percent confidence limits were estimated as described elsewhere (12). The difference between the State and U.S. age-adjusted rates was determined to be statistically significant at the 0.05 or 0.01 level if the rates' respective 95-percent or 99-percent confidence limits did not overlap.

For zero deaths, the following test statistic (λ) was used to perform the significance test:

$$\lambda = \left[\sum_{x=1}^n M_{x(us)} \cdot P_{x(s)} \right] / 100,000$$

where

$M_{x(us)}$ = age-specific death rate per 100,000 population in the xth age group for the United States

$P_{x(s)}$ = population in the xth age group for the given State

n = number of age groups = 11.

The difference between the State and U.S. age-adjusted rates was determined to be statistically significant at the 0.05 level

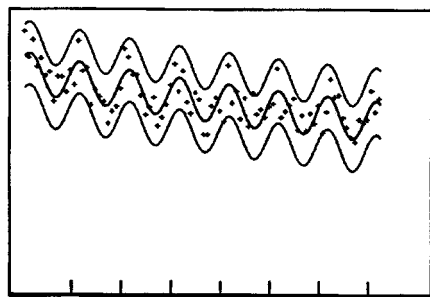
if $3.00 \leq \lambda < 4.61$. The difference between the State and U.S. age-adjusted rates was determined to be statistically significant at 0.01 level if $\lambda \geq 4.61$ (13). For zero deaths, confidence limits for the age-adjusted death rates are not applicable.

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Mortality Surveillance System topics

<i>MVSR issue</i>	<i>Cause-of-death</i>	<i>Healthy People 2000 Objective Number</i>
Vol. 42 No. 7	Malignant neoplasms of trachea, bronchus, and lung	3.2 (16.2)
Vol. 42 No. 8	Malignant neoplasm of prostate, Malignant neoplasm of breast	(¹), 16.3
Vol. 42 No. 9	Motor vehicle accidents	9.3
Vol. 42 No. 10	Suicide	6.1 (7.2)
Vol. 42 No. 11	Accidents and adverse effects, Homicide and legal intervention	9.1, 7.1 (²)
Vol. 42 No. 12	Infant mortality, Neonatal mortality, Postneonatal mortality, and Sudden infant death syndrome	14.1 (³)
Vol. 43 No. 1	Human immunodeficiency virus infection	(⁴)
Vol. 43 No. 2	Cerebrovascular diseases	15.2
Vol. 43 No. 3	Chronic obstructive pulmonary diseases and allied conditions	3.3
Vol. 43 No. 4	Diabetes mellitus	17.9
Vol. 43 No. 5	Diseases of heart	1.1 (2.1, 3.1, 15.1)
Vol. 43 No. 6	Malignant neoplasms including neoplasms of lymphatic and hematopoietic tissues	2.2 (16.1)



¹No *Healthy People 2000* objective addresses mortality from Malignant neoplasm of prostate.
²No *Healthy People 2000* objective addresses mortality from Legal intervention.
³No *Healthy People 2000* objective addresses mortality from Sudden infant death syndrome.
⁴No *Healthy People 2000* objective addresses mortality from this cause. See Chapter 18 for objectives related to Human immunodeficiency virus infection.

NOTE: The cause-of-death categories used in *Healthy People 2000* objective(s) may differ from those used in NCHS Mortality Tabulation Lists.

National Center for Health Statistics

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Deputy Director
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Associate Director for
 Vital and Health Statistics Systems
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Division of Vital Statistics

Acting Director
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DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service
 Centers for Disease Control and Prevention
 National Center for Health Statistics
 6525 Belcrest Road
 Hyattsville, Maryland 20782

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