Vol. 43, No. 5 ● October 24, 1994

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 May 1994

Births

According to provisional reports, an estimated 329,000 births occurred in the United States during May 1994. This was a 2-percent decrease from the provisional number of births reported for May 1993 (335,000). The birth rate, 14.9 live births per 1,000 population, was 3 percent lower than the rate of 15.3 for May 1993. The fertility rate, 65.4 live births per 1,000 women aged 15–44 years, was 2 percent lower than the comparable rate for May 1993 (66.8). The seasonally adjusted fertility rate (65.8) was 3 percent lower than the comparable rate for May 1993 (67.7).

During the first 5 months of 1994, an estimated 1,629,000 births occurred, a 2-percent decrease from the 1,655,000 reported for the first 5 months of 1993. The birth rate for this period decreased by 3 percent from 15.6 in 1993 to 15.2 in 1994. The fertility rate for the first 5 months of 1994 was 66.5, 2 percent lower than the rate for the first 5 months of 1993 (67.7).

An estimated 4,013,000 live births occurred in the 12-month period ending with May 1994, a decline of 1 percent from the 4,050,000 births reported for the same period a year earlier. The birth rate of 15.5 was 2 percent lower than the rate of 15.8 for the preceding 12 months. The

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	May				January–May				12 months ending with May				
	Number		Rate		Number		Rate		Number		Rate		
	1994	1993	1994	1993	1994	1993	1994	1993	1994	1993	1994	1993	1992
Live births	329,000	335,000	14.9	15.3	1,629,000	1,655,000	15.2	15.6	4,013,000	4,050,000	15.5	15.8	16.3
Fertility rate	...	...	65.4	66.8	...	...	66.5	67.7	...	...	67.8	68.6	69.8
Deaths	186,000	185,000	8.4	8.5	996,000	983,000	9.3	9.2	2,281,000	2,217,000	8.8	8.6	8.6
Infant deaths	2,800	2,900	8.3	8.8	13,400	14,400	8.2	8.6	32,300	33,800	8.1	8.4	8.7
Natural increase	143,000	150,000	6.5	6.8	633,000	672,000	5.9	6.4	1,732,000	1,833,000	6.7	7.2	7.7
Marriages	230,000	221,000	10.4	10.1	814,000	809,000	7.7	7.6	2,339,000	2,341,000	9.0	9.1	9.4
Divorces	104,000	103,000	4.7	4.7	493,000	492,000	4.6	4.6	1,188,000	1,204,000	4.6	4.7	4.7
Population base (in millions)	...	...	260.2	257.4	...	...	...	...	...	...	259.2	256.3	253.4

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

CENTERS FOR DISEASE CONTROL AND PREVENTION

fertility rate for the most recent 12-month period was 67.8, 1 percent lower than the rate for the 12 months ending with May 1993 (68.6). These lower rates continue 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 6.5 persons per 1,000 population were added to the population during May 1994.

For the 12-month period ending with May 1994, 1,732,000 persons were added to the population. This represented a rate of natural increase of 6.7, 7 percent lower than the rate of 7.2 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

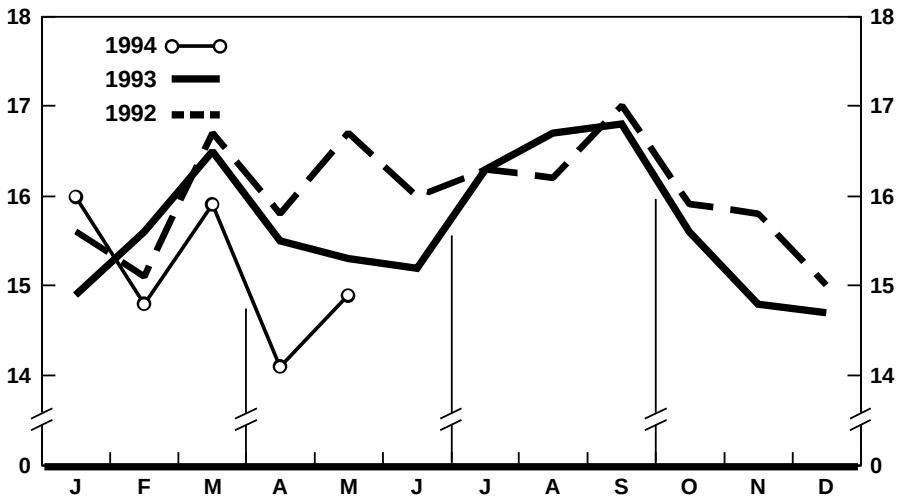
An estimated 230,000 couples married in May 1994, a 4-percent increase over the number for May a year earlier (221,000). The marriage rate per 1,000 population for May was 3 percent higher in 1994 (10.4) than in 1993 (10.1).

For the first 5 months of 1994, the number of marriages and the marriage rate were 1 percent higher than for the same period in 1993. The number of marriages for the period increased from 809,000 in 1993 to 814,000 in 1994 while the marriage rate increased from 7.6 to 7.7.

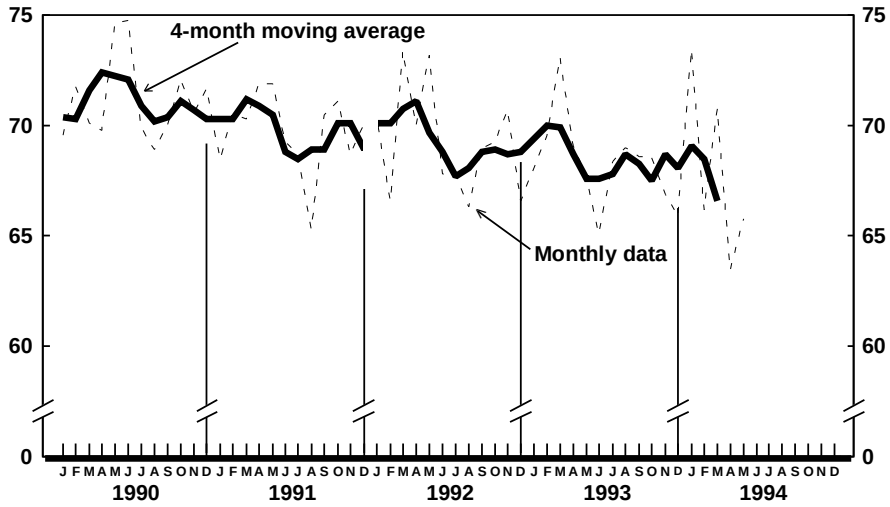
The number of marriages performed during the 12-month period ending with May 1994 (2,339,000) was slightly lower than for the same period a year earlier (2,341,000). The marriage rate for the current 12-month period was 9.0, 1 percent lower than the rate for the 12-month period ending with May 1993 (9.1).

Divorces

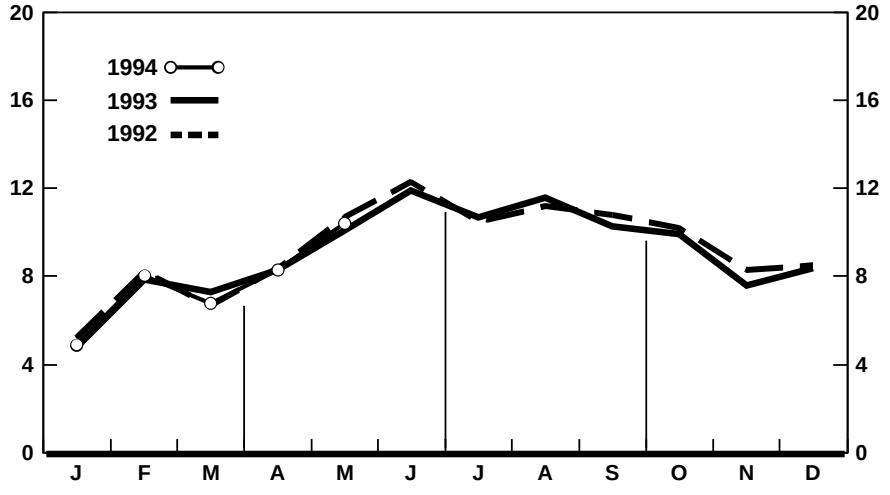
There were an estimated 104,000 divorces granted in May 1994, 1 percent more than in May 1993 (103,000). Despite the slight increase in the number, the divorce rate per 1,000 population for May was 4.7 both years.



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

The cumulative number of divorces for January–May 1994 was 493,000, a slight increase over the number for the same period of the previous year (492,000). The marriage rate for the 5-month period was 4.6 in 1993 and 1994.

Divorces granted during the 12-month period ending with May 1994 (1,188,000) numbered 1 percent fewer than for the same period a year earlier (1,204,000). The divorce rate for the current period was 4.6, a 2-percent decline compared with the rate for the 12-month period ending with May 1993 (4.7).

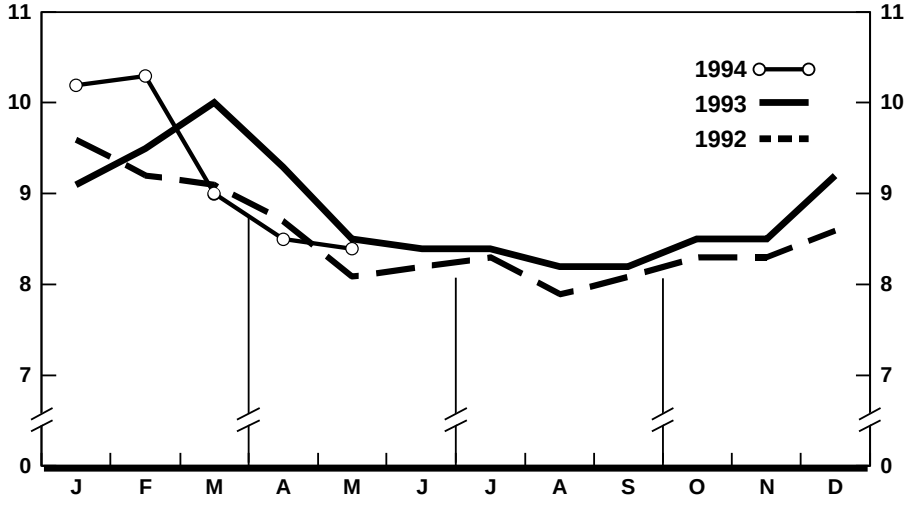
Deaths

For May 1994 there were an estimated 186,000 deaths in the United States. The death rate was 8.4 deaths per 1,000 population, 1 percent lower than the rate of 8.5 for May a year earlier. Among the 186,000 deaths for May 1994 were 2,800 deaths at ages under 1 year.

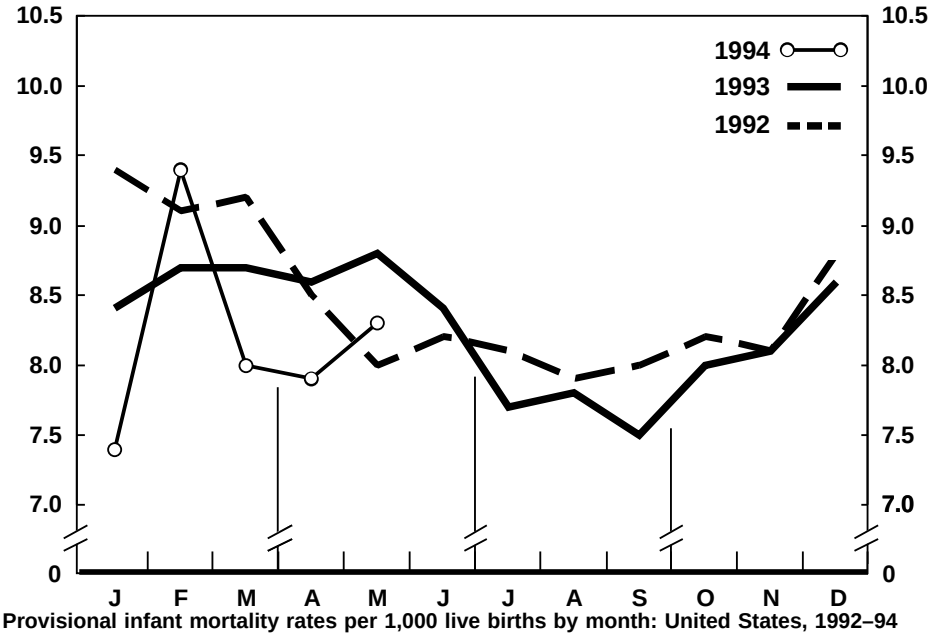
According to provisional statistics, there were 996,000 deaths during the first 5 months of 1994, 1 percent higher than estimated for the first 5 months of 1993 (983,000). The death rate, 9.3 per 1,000 population, was 1 percent higher than the January to May 1993 rate of 9.2. Among the 996,000 deaths for the first 5 months of 1994 were 13,400 deaths at ages under 1 year, yielding an infant mortality rate of 8.2 per 1,000 live births. This rate was 5 percent lower than the rate of 8.6 for the comparable period in 1993.

The death rate for the 12 months ending with May 1994 was 8.8 deaths per 1,000 population, 2 percent higher than the rate of 8.6 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 May 1993.

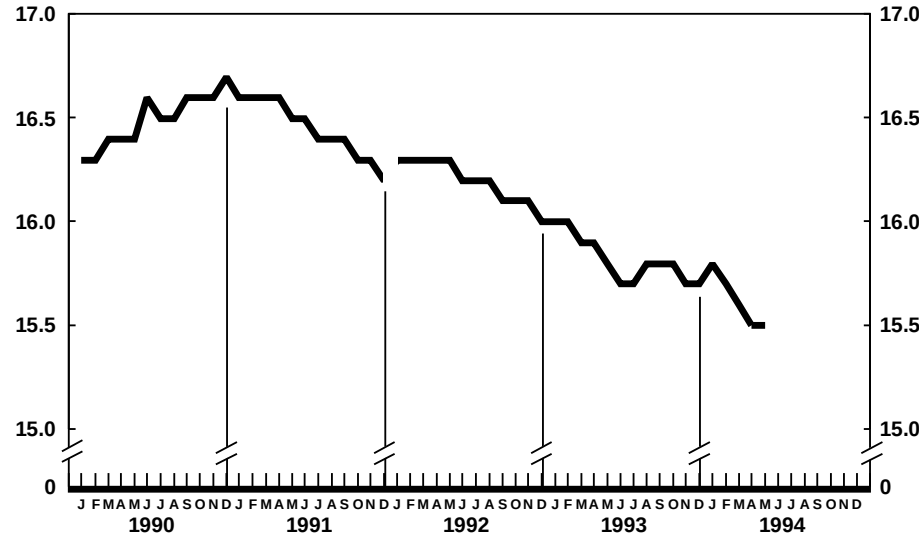
Current Mortality Sample, 12 months ending with April 1994—The provisional death rate for the 12 months ending with April 1994 was 880.5 per 100,000 population, 2 percent higher than the rate of 861.8 for the 12-month period ending April 1993. The increase



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



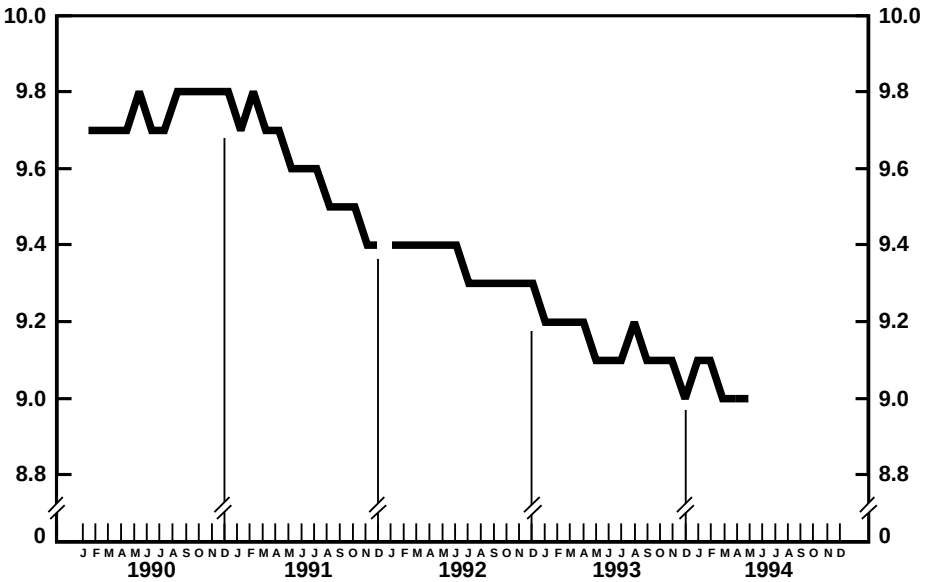
Provisional birth rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1990–94

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 April 1994 was 512.4 per 100,000 U.S. standard million population, 1 percent higher than the rate of 506.6 for the 12-month period ending with April 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 rates increased for white males and black males. By age the death rate for the total population increased for the following age groups: 25–34 years, 45–54 years, 75–84 years, and 85 years and over.

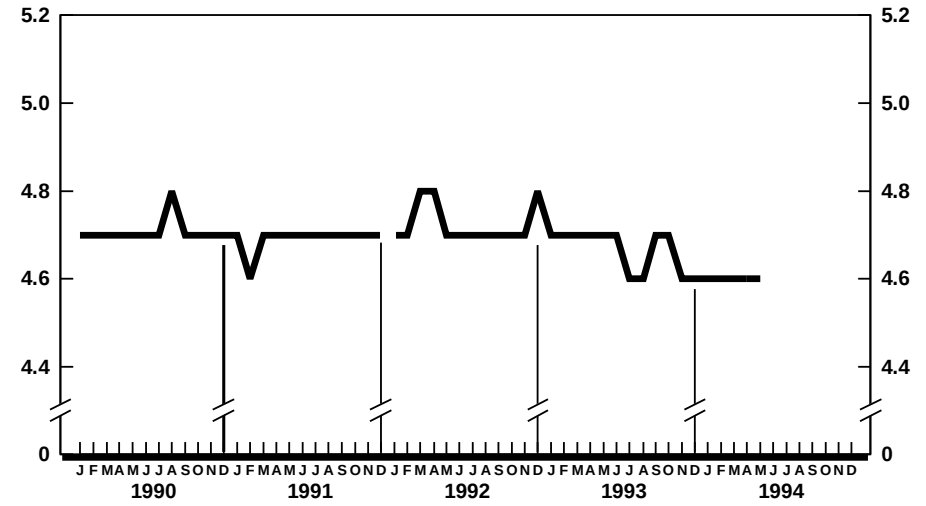
Among the major causes of death, the estimated death rate increased between the two successive 12-month periods for Cerebrovascular diseases, Accidents and adverse effects, Chronic obstructive pulmonary diseases and allied conditions, Pneumonia and influenza, Diabetes mellitus, and Human immunodeficiency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

The death rate for injury by firearms for the 12 months ending with April 1994 was 15.1 per 100,000 population, 5 percent higher than the rate of 14.4 for the comparable 12-month period a year earlier.

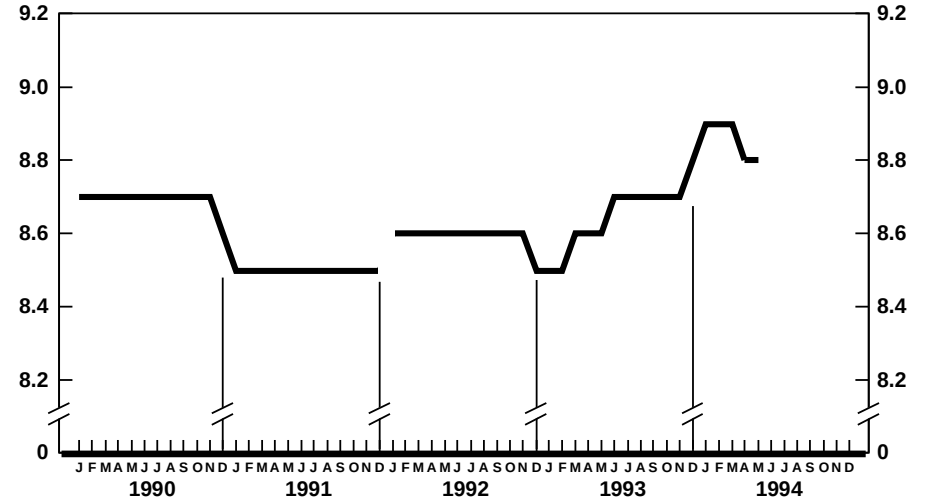
The infant mortality rate for the 12 months ending with April 1994 was 815.2 per 100,000 live births, 2 percent lower than the rate of 832.1 for the same 12-month period a year earlier. For infants under 28 days, the 12-month rate ending with April 1994 was 526.3 compared with a rate of 523.8 for the 12-month period a year earlier. The infant mortality rate for infants 28 days to 11 months was 288.8 compared with a rate of 308.4 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.



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

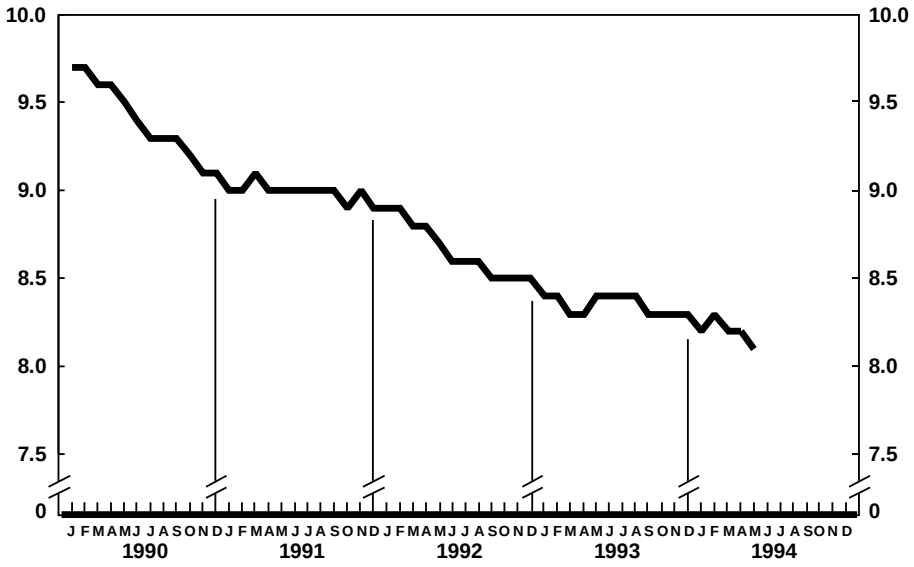
Mortality Surveillance System

Discussed this month are recent trends in death rates for Diseases of heart for the black and white populations by sex for ages 45–74 years. In this issue final mortality data are analyzed for data year 1991 and provisional data from January 1985 to December 1993.

In 1991, the latest year for which final mortality data are available, Diseases of heart was the leading cause of death among black women aged 45–74 years and accounted for 16,144 deaths or 32 percent of all deaths for this age-race-sex group. Among white women aged 45–74 years, Diseases of heart was the second leading cause of death, after Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (cancer). It accounted for 75,293 deaths or 26 percent of all deaths for this age-race-sex group.

Among black men aged 45–74 years, Diseases of heart was the leading cause of death and accounted for 21,337 deaths or 31 percent of all deaths for this age-race-sex group. Among white men in this same age group, Diseases of heart was also the leading cause of death. It accounted for 148,381 deaths or 35 percent of all deaths for this age-race-sex group.

Based on 1991 final data, the death rate for Diseases of heart for black men aged 45–74 years was 1.4 times the rate for white men and 1.7 times the rate for black women in this age group. For black women aged 45–74 years, the death rate was 1.8 times the rate for white women in this age group. The rate for white men was 2.2 times the rate for white women. Trends based on provisional data for Diseases of heart for these demographic groups are presented in the Mortality Surveillance System charts and accompanying text that follow.

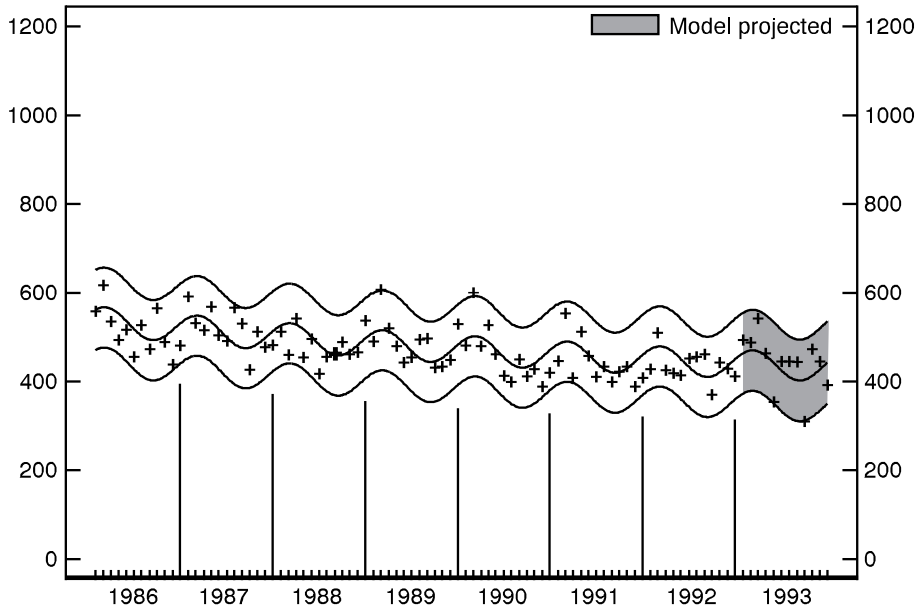


Provisional infant mortality rates per 1,000 live births for successive 12-month periods ending with month indicated: United States, 1990–94

Mortality Surveillance System charts

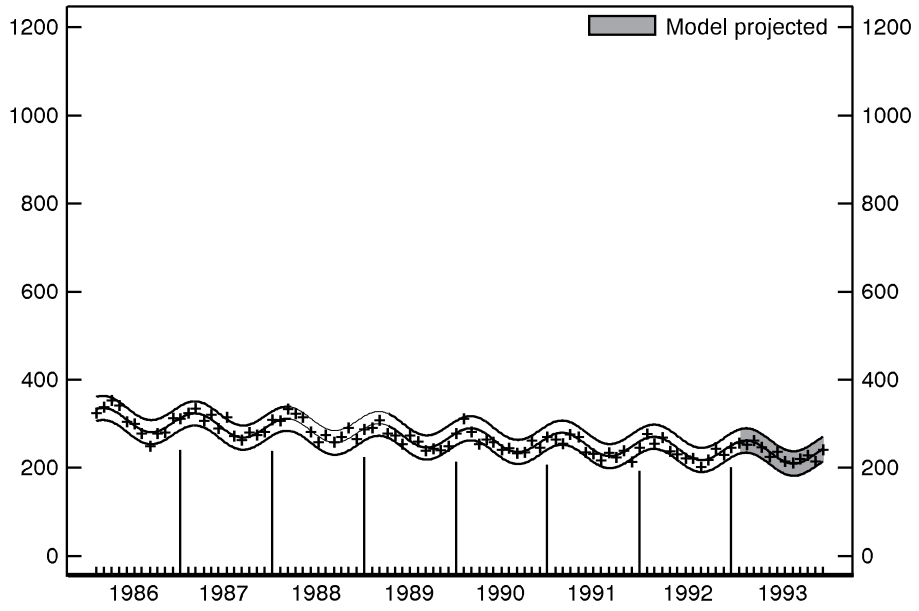
[Observed and fitted provisional monthly death rates and 95-percent prediction intervals. Model fitted using death rates for January 1985–December 1992; projected for January 1993–December 1993. See Technical notes]

Trends in mortality from Diseases of heart (including coronary heart disease) are presented in the charts below. Reduction of mortality from coronary heart disease is addressed in *Healthy People 2000* (objectives 1.1, 2.1, 3.1, and 15.1) (2).



Provisional death rates per 100,000 black females 45–74 years of age for Diseases of heart by month: United States, 1986–93

- For the modeled period, provisional death rates decreased.
- 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.



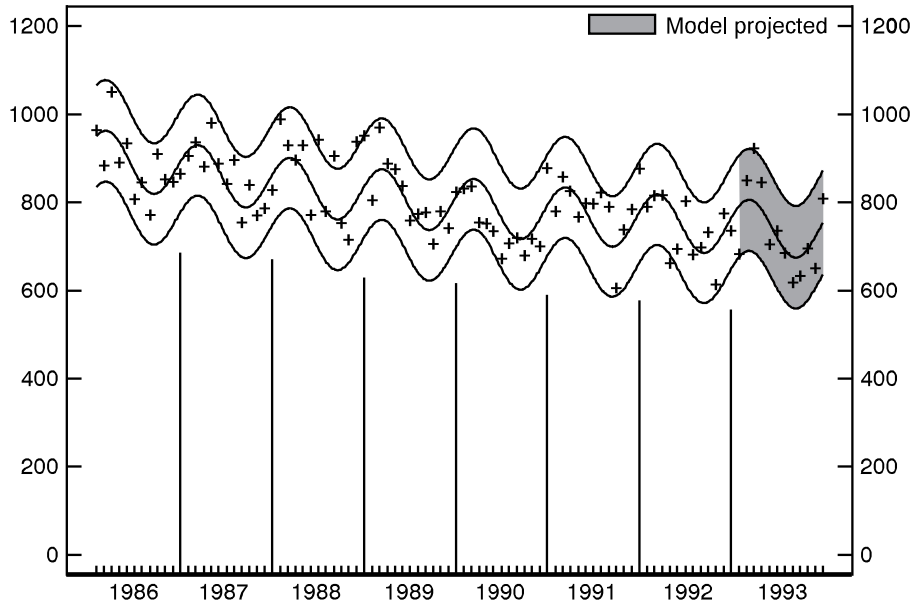
Provisional death rates per 100,000 white females 45–74 years of age for Diseases of heart by month: United States, 1986–93

- For the modeled period, provisional death rates decreased.
- 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.

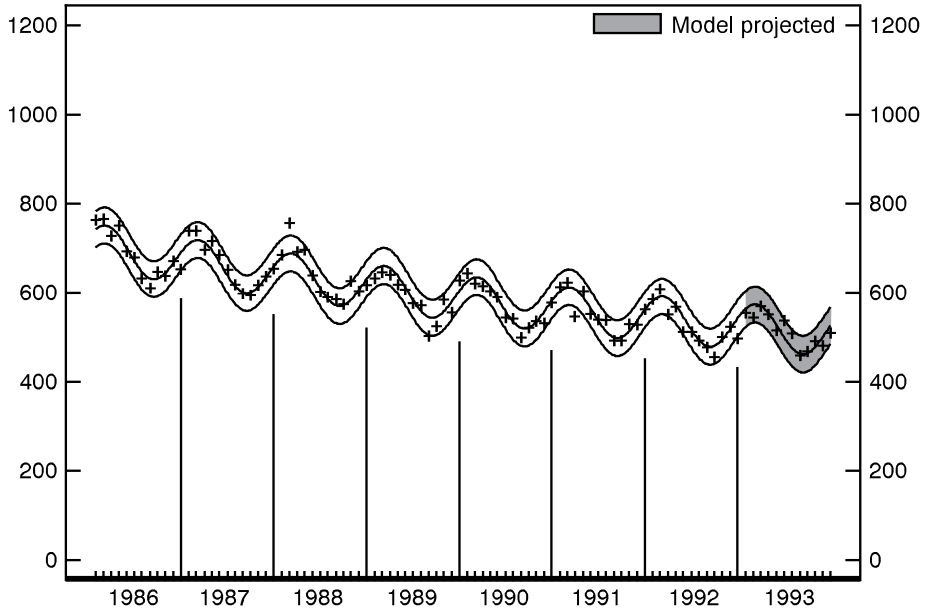
[Observed and fitted provisional monthly death rates and 95-percent prediction intervals. Model fitted using death rates for January 1985–December 1992; projected for January 1993–December 1993. See Technical notes]

Trends in mortality from Diseases of heart (including coronary heart disease) are presented in the charts below. Reduction of mortality from coronary heart disease is addressed in *Healthy People 2000* (objectives 1.1, 2.1, 3.1, and 15.1) (2).



Provisional death rates per 100,000 black males 45–74 years of age for Diseases of heart by month: United States, 1986–93

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

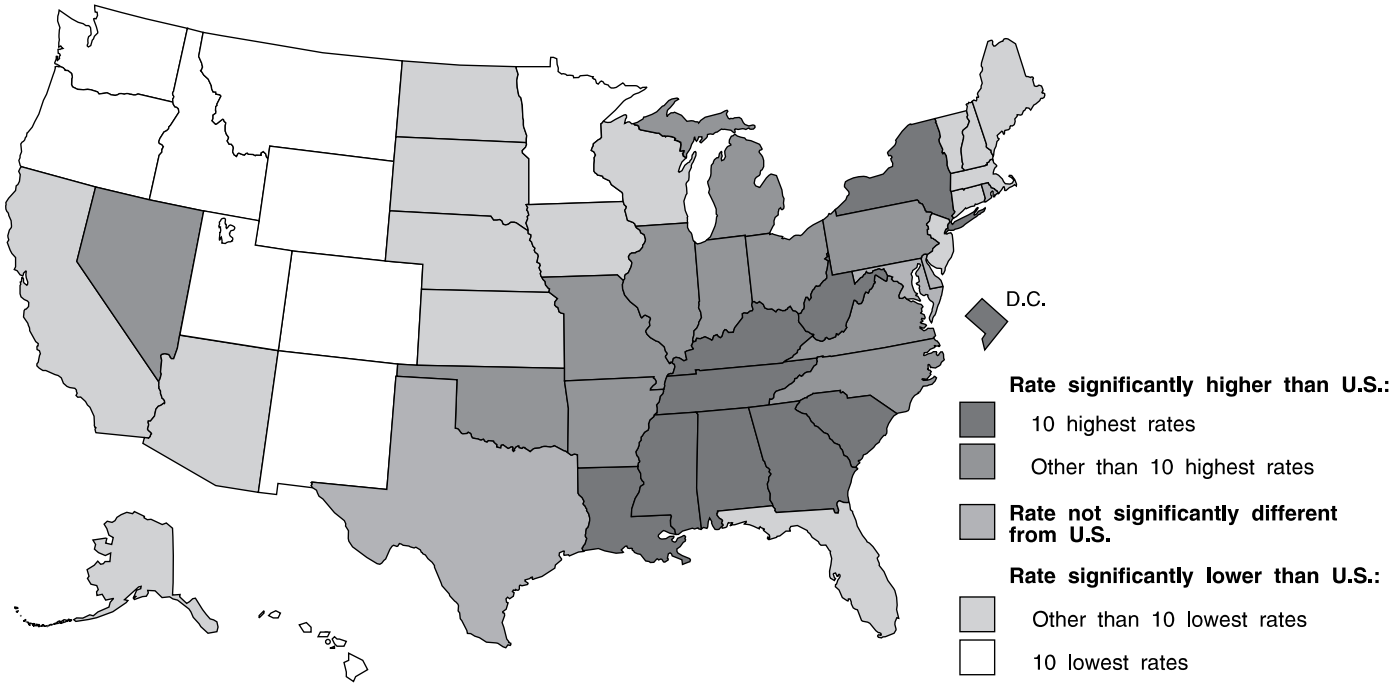


Provisional death rates per 100,000 white males 45–74 years of age for Diseases of heart by month: United States, 1986–93

- For the modeled period, provisional death rates decreased.
- 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 Diseases of heart for males: United States and each State, 1989–91

[Data are final by State of residence]



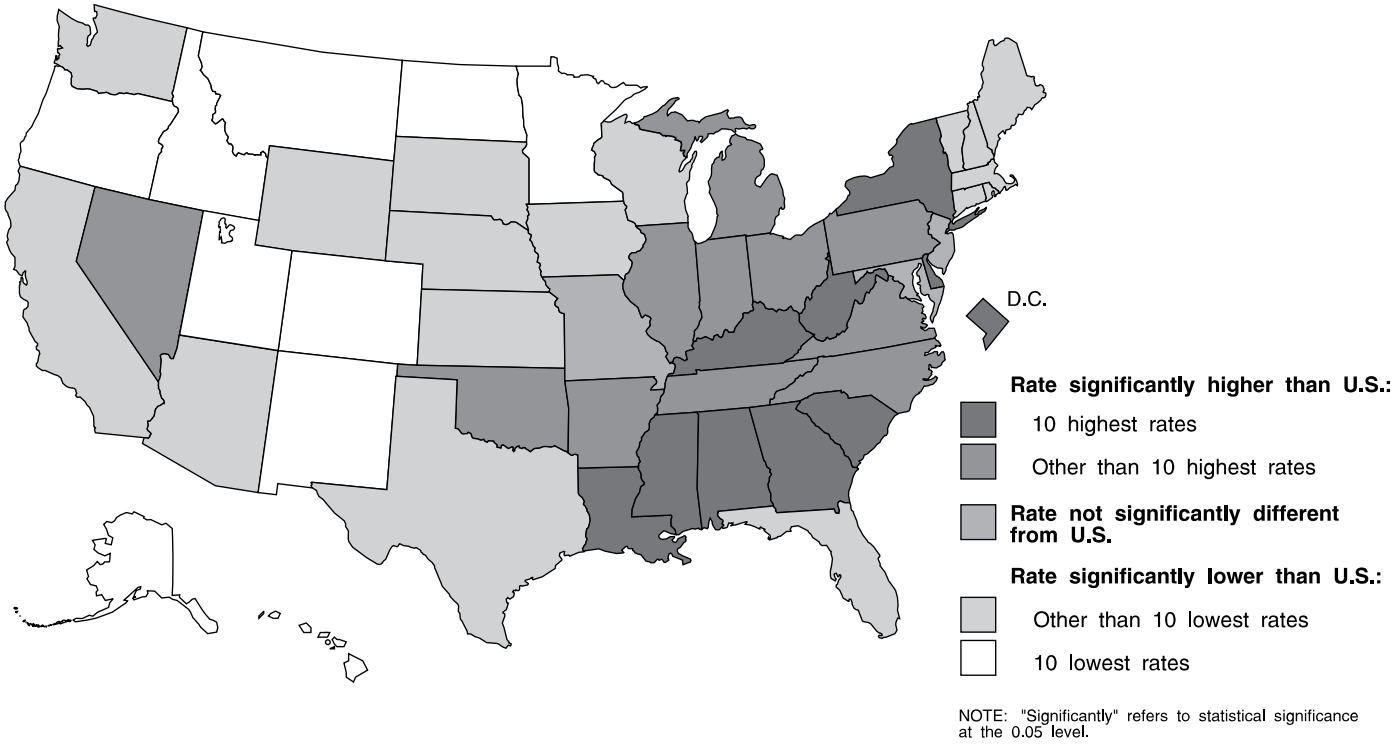
NOTE: "Significantly" refers to statistical significance at the 0.05 level.

Area	Deaths, 3-year total (final)	Age-adjusted rate (final)	95-percent confidence limits	
			Lower	Upper
United States	1,088,804	208.0	207.6	208.4
New England				
Maine	5,569	††200.7	195.2	206.2
New Hampshire	4,156	††194.6	188.5	200.7
Vermont	2,135	††186.0	177.8	194.2
Massachusetts	24,847	††191.6	189.1	194.1
Rhode Island	4,793	202.7	196.6	208.8
Connecticut	14,173	††189.5	186.3	192.7
Middle Atlantic				
New York	90,649	††231.1	229.5	232.7
New Jersey	34,858	††203.6	201.4	205.8
Pennsylvania	64,266	††223.6	221.8	225.4
East North Central				
Ohio	51,666	††224.3	222.3	226.3
Indiana	25,035	††215.8	213.0	218.6
Illinois	52,447	††221.5	219.5	223.5
Michigan	41,755	††222.6	220.4	224.8
Wisconsin	22,178	††192.1	189.4	194.8
West North Central				
Minnesota	16,933	††171.4	168.6	174.2
Iowa	13,987	††192.0	188.5	195.5
Missouri	26,073	††218.4	215.6	221.2
North Dakota	3,081	††185.6	178.3	192.9
South Dakota	3,723	†199.6	192.5	206.7
Nebraska	7,530	††190.7	186.0	195.4
Kansas	11,173	††187.9	184.1	191.7
South Atlantic				
Delaware	2,800	210.2	202.3	218.1
Maryland	17,795	205.3	202.3	208.3
District of Columbia	2,801	††249.2	239.6	258.8
Virginia	23,645	††213.3	210.6	216.0
South Atlantic—Con.				
West Virginia	11,038	††256.9	251.9	261.9
North Carolina	29,004	††227.9	225.2	230.6
South Carolina	14,592	††236.8	232.9	240.7
Georgia	24,921	††235.4	232.5	238.3
Florida	73,419	††188.2	186.7	189.7
East South Central				
Kentucky	18,451	††240.3	236.7	243.9
Tennessee	23,740	††236.5	233.4	239.6
Alabama	19,919	††240.9	237.4	244.4
Mississippi	14,105	††276.1	271.3	280.9
West South Central				
Arkansas	12,605	††219.9	215.8	224.0
Louisiana	18,766	††247.7	244.1	251.3
Oklahoma	16,330	††230.0	226.3	233.7
Texas	61,350	206.6	204.9	208.3
Mountain				
Montana	3,269	††170.1	163.9	176.3
Idaho	3,725	††166.7	161.0	172.4
Wyoming	1,516	††174.1	165.1	183.1
Colorado	9,398	††157.7	154.4	161.0
New Mexico	4,862	††163.5	158.7	168.3
Arizona	14,333	††176.5	173.4	179.6
Utah	4,356	††153.1	148.4	157.8
Nevada	5,098	††220.4	214.4	226.4
Pacific				
Washington	17,432	††169.6	167.0	172.2
Oregon	11,737	††171.4	168.1	174.7
California	102,312	††184.2	183.0	185.4
Alaska	931	††175.2	163.8	186.6
Hawaii	3,527	††145.7	140.6	150.8.

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 Diseases of heart for females: 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	
			Lower	Upper
United States	1,085,983	109.6	109.4	109.8
New England				
Maine	5,644	††100.1	96.9	103.3
New Hampshire	4,177	††98.1	94.5	101.7
Vermont	2,233	††92.8	88.0	97.6
Massachusetts	27,858	††96.7	95.3	98.1
Rhode Island	5,308	††100.6	97.2	104.0
Connecticut	14,815	††98.2	96.3	100.1
Middle Atlantic				
New York	101,571	††128.3	127.3	129.3
New Jersey	36,484	109.2	107.9	110.5
Pennsylvania	67,767	††118.6	117.5	119.7
East North Central				
Ohio	53,350	††120.7	119.5	121.9
Indiana	25,841	††113.5	111.8	115.2
Illinois	55,226	††118.5	117.3	119.7
Michigan	41,577	††120.9	119.5	122.3
Wisconsin	21,667	††95.3	93.7	96.9
West North Central				
Minnesota	15,403	††78.5	76.9	80.1
Iowa	14,942	††93.2	91.2	95.2
Missouri	27,238	111.1	109.4	112.8
North Dakota	2,555	††82.0	77.8	86.2
South Dakota	3,336	††89.1	85.0	93.2
Nebraska	7,773	††95.7	92.9	98.5
Kansas	11,745	††95.6	93.3	97.9
South Atlantic				
Delaware	2,981	††122.3	117.2	127.4
Maryland	17,954	111.4	109.5	113.3
District of Columbia	2,924	††134.0	128.2	139.8
Virginia	23,248	††113.4	111.7	115.1
South Atlantic—Con.				
West Virginia	10,468	††130.0	127.0	133.0
North Carolina	27,495	††114.2	112.6	115.8
South Carolina	13,822	††125.0	122.7	127.3
Georgia	24,690	††123.2	121.4	125.0
Florida	64,954	††93.7	92.8	94.6
East South Central				
Kentucky	17,625	††121.4	119.3	123.5
Tennessee	22,720	††119.4	117.6	121.2
Alabama	19,332	††123.8	121.7	125.9
Mississippi	14,373	††151.6	148.6	154.6
West South Central				
Arkansas	11,934	†112.4	109.9	114.9
Louisiana	18,850	††137.1	134.8	139.4
Oklahoma	16,058	††117.9	115.6	120.2
Texas	57,818	††107.2	106.2	108.2
Mountain				
Montana	2,694	††79.6	75.9	83.3
Idaho	3,140	††84.0	80.5	87.5
Wyoming	1,334	††89.8	84.2	95.4
Colorado	8,985	††81.4	79.4	83.4
New Mexico	4,249	††86.4	83.4	89.4
Arizona	12,032	††89.6	87.8	91.4
Utah	3,894	††82.6	79.6	85.6
Nevada	3,702	††116.6	112.6	120.6
Pacific				
Washington	16,198	††87.5	85.9	89.1
Oregon	10,651	††85.6	83.6	87.6
California	102,306	††101.1	100.4	101.8
Alaska	459	††79.4	72.0	86.8
Hawaii	2,583	††80.7	77.2	84.2

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–May 1994

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

Period	Live births				Marriages		Divorces		Deaths		Infant deaths	
			Rate per 1,000 women aged 15–44 years									
	Number	Rate per 1,000 population	Unadjusted	Seasonally adjusted[1]	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
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	90,000	4.5	204,000	10.3	2,800	9.4
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	230,000	10.4	104,000	4.7	186,000	8.4	2,800	8.3

[1]The 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 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, May 1993 and 1994, and cumulative figures, 1992–94

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

Area	Live births					Deaths				
	May		January–May			May		January–May		
	1994	1993	1994	1993	1992	1994	1993	1994	1993	1992
New England	16,791	15,766	72,649	74,423	81,729	11,006	9,774	51,255	52,300	49,323
Maine	1,511	1,344	5,837	5,986	6,205	794	1,099	4,825	4,589	4,569
New Hampshire	1,721	1,439	6,047	5,975	6,301	841	647	3,870	3,652	3,459
Vermont	641	716	2,588	3,044	3,195	363	444	1,977	2,116	2,120
Massachusetts	8,164	7,328	34,904	37,667	41,330	5,973	4,669	24,212	25,954	23,011
Rhode Island	1,195	1,736	5,300	5,898	6,130	808	769	4,026	4,273	3,960
Connecticut	3,559	3,203	17,973	15,853	18,568	2,227	2,146	12,345	11,716	12,204
Middle Atlantic	45,724	44,148	224,533	230,393	232,477	27,695	28,828	159,979	162,681	155,028
New York	23,324	20,382	115,914	113,755	118,227	11,315	12,442	72,368	75,656	71,247
New Jersey	9,208	9,212	43,710	48,962	44,989	6,267	5,723	31,404	31,686	30,647
Pennsylvania	13,192	14,554	64,909	67,676	69,261	10,113	10,663	56,207	55,339	53,134
East North Central	54,639	52,857	266,551	269,531	270,050	31,604	31,146	172,518	165,077	158,606
Ohio	14,030	13,664	68,797	67,260	71,745	8,376	8,307	47,443	43,445	42,461
Indiana	6,656	6,872	33,226	34,585	34,119	4,445	3,895	22,981	22,104	21,683
Illinois	15,845	15,891	76,506	77,449	76,104	8,598	8,613	46,505	45,575	43,550
Michigan	12,355	10,162	57,684	60,739	58,858	6,511	6,458	35,796	35,085	33,695
Wisconsin	5,753	6,268	30,338	29,498	29,224	3,674	3,873	19,793	18,868	17,217
West North Central	21,658	21,104	104,633	107,372	110,359	14,359	13,985	74,901	75,026	68,693
Minnesota	5,624	5,530	26,817	26,573	27,176	2,976	2,865	15,719	15,409	14,837
Iowa	3,558	3,114	14,437	15,721	15,878	2,288	2,348	11,581	12,937	11,699
Missouri	6,651	6,495	31,633	32,426	32,830	5,052	4,956	25,166	24,856	20,901
North Dakota	707	742	3,481	3,597	3,704	499	470	2,520	2,445	2,377
South Dakota	818	930	4,303	4,406	4,730	515	520	2,936	2,920	3,028
Nebraska	1,867	2,089	9,294	9,626	9,998	1,189	1,144	6,359	6,367	6,445
Kansas	2,433	2,204	14,668	15,023	16,043	1,840	1,682	10,620	10,092	9,406
South Atlantic	53,252	54,301	267,880	275,474	276,187	36,545	35,881	188,304	186,402	176,372
Delaware	834	811	4,204	4,425	4,439	501	502	2,626	2,599	2,529
Maryland	5,632	5,535	26,282	30,139	29,524	3,219	2,952	16,175	18,587	15,378
District of Columbia	838	828	3,776	4,133	4,203	706	601	2,682	2,877	2,882
Virginia	8,398	8,982	38,336	39,446	40,440	5,311	4,260	24,174	22,497	21,336
West Virginia	1,997	1,581	9,592	9,641	9,326	1,631	1,565	9,085	8,707	9,108
North Carolina	7,814	8,173	40,875	41,128	42,100	5,330	5,113	28,605	27,747	25,647
South Carolina	3,841	4,844	21,315	22,199	22,972	3,113	2,824	13,745	13,628	12,996
Georgia	8,879	9,336	44,626	46,490	45,407	4,823	5,168	25,380	24,194	23,116
Florida	15,019	14,211	78,874	77,873	77,776	11,911	12,896	65,832	65,566	63,380
East South Central	17,306	17,206	94,665	93,150	95,194	12,138	11,677	69,013	67,432	64,829
Kentucky	4,182	4,324	21,257	21,324	22,365	3,058	3,034	16,894	16,278	15,371
Tennessee	4,797	5,484	30,455	29,258	30,063	3,465	3,579	20,595	21,511	20,791
Alabama	5,439	4,246	25,703	25,839	25,822	3,454	3,018	19,575	18,214	17,753
Mississippi	2,888	3,152	17,250	16,729	16,944	2,161	2,046	11,949	11,429	10,914
West South Central	38,722	41,156	196,768	201,775	205,486	18,442	19,648	106,611	103,900	100,599
Arkansas	2,612	2,966	14,008	13,934	14,206	2,197	2,157	12,121	11,681	11,052
Louisiana	5,603	5,250	29,208	30,619	33,173	3,188	3,027	18,558	18,641	17,920
Oklahoma	3,467	3,531	18,795	18,858	19,823	2,757	2,377	14,298	13,910	13,164
Texas[1]	27,040	29,409	134,757	138,364	138,284	10,300	12,087	61,634	59,668	58,463
Mountain	22,310	21,529	99,603	103,366	101,172	9,309	9,445	46,560	47,784	44,974
Montana	1,026	1,002	4,476	4,675	4,920	615	562	3,091	3,207	3,071
Idaho	1,338	1,387	7,197	7,187	7,024	687	684	3,596	3,508	3,357
Wyoming	602	609	2,630	2,707	2,773	294	310	1,448	1,459	1,388
Colorado	5,022	5,055	22,614	23,043	22,969	2,213	2,106	10,518	10,132	9,594
New Mexico	2,427	2,081	11,552	11,436	11,120	945	1,094	5,319	5,347	5,299
Arizona	7,960	6,196	26,367	30,194	27,430	2,922	2,967	13,170	15,290	13,686
Utah	3,299	3,177	15,938	15,129	15,721	690	860	4,377	4,271	4,180
Nevada	636	2,022	8,829	8,995	9,215	943	862	5,041	4,570	4,399
Pacific	62,372	57,870	297,509	300,870	319,911	24,934	24,611	126,694	122,238	123,885
Washington	7,797	4,964	31,498	25,369	29,295	1,887	3,452	15,480	15,695	16,150
Oregon	2,900	3,816	17,673	17,695	17,415	1,983	2,148	11,948	11,310	10,594
California[1]	48,655	46,467	234,182	245,610	260,056	20,313	18,230	95,260	91,271	93,374
Alaska	1,281	890	6,200	3,997	4,784	142	195	930	822	826
Hawaii	1,739	1,733	7,956	8,199	8,361	609	586	3,076	3,140	2,941

[1]Figures 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, May 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				
	May		January–May			May		January–May		
	1994	1993	1994	1993	1992	1994	1993	1994	1993	1992
New England	[1]4,141	5,210	[1]25,117	21,843	31,192	[1]2,440	3,994	[1]12,487	18,265	17,302
Maine	780	893	2,416	2,385	2,883	626	599	1,948	2,337	2,449
New Hampshire	1,030	685	2,786	2,077	2,728	380	424	1,999	1,930	2,128
Vermont	283	269	1,257	1,416	1,349	136	179	1,053	1,120	1,306
Massachusetts	1,313	971	16,633	8,579	14,821	957	1,673	6,105	6,958	5,189
Rhode Island	735	809	2,025	2,083	2,142	341	293	1,382	1,494	1,441
Connecticut	- - -	1,583	- - -	5,303	7,269	- - -	826	- - -	4,426	4,789
Middle Atlantic	26,578	25,770	83,478	89,095	92,723	10,731	10,150	48,594	48,996	51,756
New York[2]	12,808	12,057	44,587	48,153	49,956	4,643	4,692	22,955	22,464	24,342
New Jersey	5,641	5,794	16,283	17,248	18,252	2,343	2,205	9,889	10,540	11,153
Pennsylvania	8,129	7,919	22,608	23,694	24,515	3,745	3,253	15,750	15,992	16,261
East North Central	29,832	30,353	101,631	105,333	112,589	[1]13,581	[1]12,895	[1]61,281	[1]62,183	[1]62,363
Ohio	7,290	7,816	27,251	27,929	30,540	4,555	4,577	20,420	20,346	21,621
Indiana	4,386	4,056	15,592	15,701	17,072	- - -	- - -	- - -	- - -	- - -
Illinois	8,151	8,006	28,536	28,614	30,144	3,835	3,912	16,980	18,046	17,647
Michigan	6,523	5,721	20,240	19,953	21,140	3,869	3,085	16,727	16,472	15,509
Wisconsin	3,482	4,754	10,012	13,136	13,693	1,322	1,321	7,154	7,319	7,586
West North Central	12,765	11,765	44,461	46,541	46,641	6,176	6,651	32,706	32,222	32,805
Minnesota	2,846	2,910	8,777	8,664	9,162	1,348	1,312	6,815	7,121	6,254
Iowa	1,875	1,853	6,264	8,620	6,778	993	950	4,860	4,519	4,695
Missouri	4,202	3,376	14,312	14,470	15,161	2,670	2,727	11,562	11,003	11,139
North Dakota	400	387	1,270	1,319	1,332	208	198	914	898	961
South Dakota	616	578	2,127	2,193	2,317	223	231	1,146	1,210	1,181
Nebraska	1,467	1,164	4,294	4,132	4,610	504	570	2,800	2,653	2,740
Kansas	1,359	1,497	7,417	7,143	7,281	230	663	4,609	4,818	5,835
South Atlantic	39,344	39,069	165,868	166,473	163,619	20,407	20,268	95,712	97,655	95,053
Delaware	495	564	1,661	1,766	1,781	377	263	1,382	1,307	1,268
Maryland	3,706	3,765	13,904	13,937	14,723	1,525	1,472	6,601	7,042	7,172
District of Columbia	128	129	557	514	882	241	162	813	694	1,052
Virginia	6,888	6,820	24,971	25,094	25,297	2,589	2,748	11,827	11,871	11,813
West Virginia	632	1,272	3,142	5,230	3,905	771	940	3,709	3,998	4,084
North Carolina	5,112	5,299	17,401	17,162	18,105	3,262	3,096	14,734	14,532	15,011
South Carolina	4,660	4,931	20,150	20,236	21,357	1,511	1,439	6,318	6,340	6,885
Georgia	4,877	5,061	23,456	23,728	19,629	3,027	3,105	14,946	15,571	13,476
Florida	12,846	11,228	60,626	58,806	57,940	7,104	7,043	35,382	36,300	34,292
East South Central	15,701	15,645	66,891	67,290	68,374	9,435	8,572	40,928	39,205	42,411
Kentucky	3,563	4,100	16,525	15,865	18,036	1,831	1,952	9,640	8,984	10,290
Tennessee	7,483	5,771	27,498	27,180	26,711	2,920	2,808	13,805	13,530	14,119
Alabama	2,473	3,399	14,506	15,237	14,897	2,341	2,659	10,953	11,572	11,354
Mississippi	2,182	2,375	8,362	9,008	8,730	2,343	1,153	6,530	5,119	6,648
West South Central	28,950	24,875	124,768	114,594	115,274	[1]11,596	[1]13,132	[1]60,063	[1]60,254	[1]62,713
Arkansas	3,040	3,463	14,502	13,927	13,632	1,326	1,497	7,759	7,100	7,538
Louisiana	4,127	2,443	16,547	11,541	11,711	- - -	- - -	- - -	- - -	- - -
Oklahoma	3,062	2,882	11,155	11,183	12,172	1,850	1,846	8,869	8,768	10,788
Texas[3]	18,721	16,087	82,564	77,943	77,759	8,420	9,789	43,435	44,386	44,387
Mountain	22,315	22,787	101,316	96,677	91,517	[1]6,460	[1]6,446	[1]31,456	[1]31,931	[1]32,414
Montana	473	515	1,786	1,916	2,003	373	356	1,736	1,727	1,808
Idaho	806	731	5,254	4,357	4,816	453	545	2,952	2,867	2,827
Wyoming	442	421	1,413	1,394	1,544	222	220	1,203	1,227	1,270
Colorado	2,243	3,201	10,471	11,183	11,188	1,706	1,556	8,033	7,931	7,869
New Mexico[4,5]	1,321	1,186	4,632	4,659	4,932	960	870	4,086	4,213	4,023
Arizona[2]	3,013	3,519	15,026	16,912	14,540	1,967	2,067	9,578	10,158	10,656
Utah	1,550	1,252	7,205	6,907	6,916	779	832	3,868	3,808	3,961
Nevada	12,467	11,962	55,529	49,349	45,578	- - -	- - -	- - -	- - -	- - -
Pacific	27,639	23,449	103,495	105,795	120,477	[1]5,144	[1]3,363	[1]22,723	[1]18,814	[1]21,261
Washington	3,161	1,697	13,218	10,167	14,143	3,032	1,225	12,538	9,035	11,268
Oregon	2,500	2,121	8,011	7,682	6,938	1,250	1,347	7,094	6,567	6,347
California	19,822	17,604	73,327	79,305	90,191	- - -	- - -	- - -	- - -	- - -
Alaska	394	387	1,833	1,637	1,988	254	262	1,351	1,133	1,526
Hawaii	1,762	1,640	7,106	7,004	7,217	608	529	1,740	2,079	2,120

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

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

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

[4]Figures for marriages are marriage licenses issued.

[5]Figures 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 May 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 May			
	1994		1993	
	Number	Rate	Number	Rate
New England	[1]773	[1]5.8	1,191	6.5
Maine	93	6.3	71	4.6
New Hampshire	92	6.1	76	4.9
Vermont	33	4.8	46	6.2
Massachusetts	453	5.4	557	6.6
Rhode Island	102	7.5	131	9.0
Connecticut	- - -	- - -	310	6.9
Middle Atlantic	[1]2,285	[1]8.3	4,853	8.5
New York	- - -	- - -	2,451	8.7
New Jersey	984	8.4	977	7.9
Pennsylvania	1,301	8.3	1,425	8.7
East North Central	5,830	9.1	6,038	9.2
Ohio	1,483	9.4	1,367	8.3
Indiana	725	8.7	826	9.8
Illinois	1,842	9.7	1,927	9.9
Michigan	1,249	8.9	1,398	9.9
Wisconsin	531	7.6	520	7.4
West North Central	2,036	8.0	2,016	7.9
Minnesota	483	7.5	457	7.0
Iowa	233	6.5	247	6.5
Missouri	626	8.2	684	9.1
North Dakota	62	7.2	54	6.1
South Dakota	114	10.6	113	10.3
Nebraska	184	8.2	161	7.1
Kansas	334	8.9	300	8.2
South Atlantic	6,058	9.1	6,635	9.8
Delaware	88	8.5	108	9.9
Maryland	676	9.4	705	9.2
District of Columbia	170	18.0	185	18.5
Virginia	748	8.0	939	9.7
West Virginia	170	7.7	220	9.8
North Carolina	1,010	10.1	1,070	10.5
South Carolina	475	8.9	564	10.1
Georgia	1,149	10.4	1,134	10.1
Florida	1,572	8.1	1,710	8.9
East South Central	2,116	9.1	2,334	10.0
Kentucky	428	8.2	472	8.9
Tennessee	618	8.3	699	9.5
Alabama	623	9.9	650	10.3
Mississippi	447	10.5	513	11.9
West South Central	3,843	8.1	3,819	8.0
Arkansas	311	9.1	322	9.3
Louisiana	629	9.2	674	9.7
Oklahoma	449	9.6	437	9.3
Texas[2]	2,454	7.5	2,386	7.3
Mountain	1,720	7.1	1,886	7.6
Montana	88	7.8	85	7.5
Idaho	130	7.6	154	8.7
Wyoming	31	4.7	69	10.2
Colorado	371	6.8	412	7.5
New Mexico	270	9.7	210	7.3
Arizona	488	7.3	571	8.2
Utah	205	5.5	245	6.7
Nevada	137	6.5	140	6.3
Pacific	[1]4,371	[1]6.7	5,033	6.8
Washington	- - -	- - -	475	6.3
Oregon	290	6.9	314	7.5
California[2]	3,876	6.7	4,026	6.8
Alaska	76	6.0	85	7.8
Hawaii	129	6.7	133	6.7

[1]Excludes figures for State shown below as not available.

[2]Figures 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, April 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with April 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]

	April				*January–April*				*12 months ending with April*			
	1994		*1993*		*1994*		*1993*		*1994*		*1993*	
Age, race, and sex	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*
All races, both sexes[1]												
All ages	182,000	853.5	196,000	926.6	810,000	948.7	798,000	944.8	2,280,000	880.5	2,207,000	861.8
Under 1 year					10,600	[2]814.1	11,500	[2]880.3	32,400	[2]823.0	33,700	[2]850.4
1–4 years	3,510	74.6	4,270	91.9	2,460	47.2	2,650	51.4	6,840	43.2	6,990	44.7
5–14 years					2,380	19.4	2,720	22.4	8,410	22.6	8,130	22.2
15–24 years	2,790	94.4	2,740	92.5	11,340	95.8	10,950	92.5	35,510	98.6	35,010	97.0
25–34 years	4,680	137.2	4,880	141.3	18,920	138.4	19,360	139.9	59,500	142.7	57,830	136.9
35–44 years	7,560	221.6	7,870	236.0	32,410	238.1	31,930	239.8	97,030	235.9	94,420	234.7
45–54 years	10,650	437.3	10,580	452.9	45,570	470.1	43,820	471.5	135,240	464.1	125,980	451.2
55–64 years	18,800	1,088.9	20,620	1,199.8	82,400	1,193.7	84,230	1,225.1	240,480	1,147.3	241,380	1,154.1
65–74 years	39,680	2,579.9	41,820	2,732.0	172,320	2,801.8	173,050	2,829.2	489,630	2,620.0	482,510	2,601.3
75–84 years	51,180	5,696.5	55,710	6,316.9	231,740	6,461.6	227,060	6,449.3	642,400	5,920.2	620,020	5,821.2
85 years and over	43,480	15,364.7	47,310	17,156.6	199,480	17,665.0	190,370	17,308.3	531,560	15,583.7	500,540	15,099.2
Not stated	60	. . .	70	. . .	200	. . .	260	. . .	820	. . .	820	. . .
Age-adjusted rate[3]	. . .	492.4	. . .	532.4	. . .	539.5	. . .	544.0	. . .	512.4	. . .	506.6
All races, male[1]												
All ages	92,540	886.9	99,960	968.7	410,300	984.4	405,100	982.7	1,171,370	926.6	1,131,780	905.3
Under 1 year					6,300	[2]949.4	6,490	[2]974.2	19,140	[2]951.3	18,430	[2]908.8
1–4 years	2,140	88.8	2,290	96.3	1,510	56.6	1,510	57.2	3,980	49.2	3,900	48.8
5–14 years					1,300	20.8	1,540	24.7	4,950	25.9	4,930	26.3
15–24 years	2,250	149.0	2,160	142.6	8,880	146.9	8,270	136.3	27,020	146.8	26,330	142.7
25–34 years	3,360	196.9	3,570	206.6	13,510	197.8	14,040	202.9	43,820	210.1	42,420	200.7
35–44 years	5,050	298.4	5,120	309.7	22,530	333.9	21,890	331.7	67,290	329.9	65,110	326.5
45–54 years	6,390	536.8	6,640	581.6	28,640	604.5	27,700	609.7	85,420	599.7	79,350	581.4
55–64 years	11,690	1,425.0	12,750	1,564.7	50,610	1,543.6	50,730	1,556.7	146,790	1,474.8	144,960	1,462.3
65–74 years	22,800	3,351.5	24,360	3,607.3	99,440	3,656.1	99,280	3,680.3	281,100	3,403.6	276,090	3,377.7
75–84 years	24,710	7,170.0	27,800	8,273.8	113,130	8,229.1	111,780	8,336.8	317,880	7,654.2	305,700	7,546.3
85 years and over	14,110	17,679.9	15,220	19,741.6	64,350	20,214.6	61,710	20,079.8	173,480	18,089.7	164,050	17,735.1
Not stated	40	. . .	30	. . .	90	. . .	150	. . .	490	. . .	520	. . .
Age-adjusted rate[3]	. . .	634.0	. . .	691.3	. . .	697.6	. . .	701.6	. . .	665.3	. . .	654.7
All races, female[1]												
All ages	89,850	821.7	95,910	886.5	399,500	914.5	392,750	908.7	1,108,440	836.5	1,075,550	820.4
Under 1 year					4,280	[2]672.7	4,960	[2]780.4	13,260	[2]688.5	15,270	[2]789.1
1–4 years	1,370	59.6	1,980	87.3	950	37.3	1,140	45.3	2,850	36.9	3,090	40.5
5–14 years					1,080	18.0	1,180	19.8	3,460	19.0	3,200	17.9
15–24 years	540	37.3	570	39.4	2,460	42.7	2,690	46.3	8,480	48.1	8,680	49.2
25–34 years	1,320	77.4	1,320	76.5	5,410	79.2	5,320	77.1	15,680	75.2	15,410	73.0
35–44 years	2,510	146.0	2,750	163.5	9,880	143.9	10,040	149.7	29,750	143.5	29,310	144.4
45–54 years	4,260	342.1	3,940	329.9	16,920	341.4	16,110	339.3	49,810	334.4	46,640	326.7
55–64 years	7,120	785.7	7,870	870.9	31,790	877.4	33,500	926.6	93,680	851.1	96,420	876.3
65–74 years	16,880	1,968.1	17,460	2,041.0	72,880	2,124.6	73,770	2,157.5	208,530	1,999.5	206,430	1,989.7
75–84 years	26,470	4,779.6	27,910	5,112.5	118,610	5,364.0	115,280	5,288.1	324,510	4,844.9	314,320	4,762.4
85 years and over	29,370	14,455.3	32,090	16,146.7	135,130	16,656.1	128,660	16,233.3	358,070	14,609.1	336,490	14,090.9
Not stated	20	. . .	40	. . .	110	. . .	110	. . .	330	. . .	300	. . .
Age-adjusted rate[3]	. . .	374.9	. . .	403.0	. . .	408.9	. . .	415.3	. . .	386.0	. . .	385.3
White												
All ages	157,590	887.3	168,900	959.1	698,030	983.4	687,750	977.2	1,960,280	909.9	1,896,940	888.1
Under 1 year					6,870	[2]673.4	7,630	[2]745.2	20,880	[2]675.7	21,740	[2]697.2
1–4 years	2,430	65.1	2,900	78.5	1,670	40.3	1,820	44.6	4,760	38.0	4,930	39.8
5–14 years					1,680	17.1	2,010	20.8	6,160	20.8	5,910	20.2
15–24 years	1,980	83.7	1,950	82.0	7,860	83.0	7,460	78.4	24,760	85.8	24,480	84.4
25–34 years	3,310	118.4	3,580	126.1	13,020	116.2	13,970	122.8	42,270	123.6	41,110	118.3
35–44 years	5,420	190.6	5,440	195.1	22,620	199.3	22,500	202.2	68,740	200.2	67,710	201.0
45–54 years	8,250	395.2	8,160	406.5	35,190	423.4	33,670	421.3	104,190	416.6	97,560	406.3
55–64 years	15,380	1,028.0	16,920	1,133.2	67,410	1,126.8	68,860	1,152.5	196,530	1,080.9	197,420	1,085.0
65–74 years	34,850	2,549.5	36,340	2,665.6	149,570	2,735.8	149,670	2,746.5	423,860	2,549.5	417,580	2,525.4
75–84 years	45,930	5,641.2	50,110	6,267.8	208,040	6,401.0	204,260	6,399.7	578,230	5,878.1	557,510	5,772.5
85 years and over	40,000	15,474.3	43,440	17,266.3	184,000	17,845.9	175,730	17,508.4	489,370	15,710.1	460,400	15,214.8
Not stated	30	. . .	50	. . .	110	. . .	170	. . .	530	. . .	590	. . .
Age-adjusted rate[3]	. . .	469.0	. . .	504.9	. . .	510.5	. . .	514.6	. . .	484.4	. . .	478.5

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, April 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with April 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]

	April				January–April				12 months ending with April			
	1994		1993		1994		1993		1994		1993	
Age, race, and sex	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
White male												
All ages	78,890	905.7	85,500	990.4	348,890	1,002.4	345,850	1,002.5	995,380	942.3	963,810	920.6
Under 1 year					4,020	[2]766.8	4,310	[2]821.4	12,160	[2]768.6	12,050	[2]753.1
1–4 years	1,540	80.3	1,510	79.7	1,050	49.7	1,060	50.1	2,820	43.9	2,820	44.4
5–14 years					920	18.3	1,170	23.6	3,690	24.2	3,580	23.9
15–24 years	1,610	132.7	1,610	131.9	6,110	125.8	5,600	114.6	18,510	125.1	18,240	122.5
25–34 years	2,360	167.2	2,670	186.2	9,460	167.2	10,380	180.6	31,440	181.9	30,790	175.3
35–44 years	3,580	251.1	3,700	264.8	15,760	276.9	15,880	284.7	48,300	280.7	47,800	283.2
45–54 years	4,890	474.4	5,080	512.7	22,260	542.5	21,430	543.5	66,490	538.6	61,970	523.0
55–64 years	9,600	1,335.9	10,610	1,482.7	41,860	1,457.1	42,010	1,467.7	121,000	1,386.5	120,240	1,379.7
65–74 years	20,180	3,315.6	21,390	3,534.5	86,670	3,561.5	86,800	3,589.3	245,670	3,322.1	240,850	3,285.4
75–84 years	22,300	7,121.2	25,150	8,243.3	101,890	8,158.2	100,890	8,288.2	286,880	7,601.5	275,870	7,498.5
85 years and over	12,810	17,730.9	13,750	19,751.1	58,840	20,447.6	56,230	20,248.6	158,100	18,214.3	149,250	17,831.5
Not stated	20	. . .	20	. . .	60	. . .	90	. . .	320	. . .	350	. . .
Age-adjusted rate[3]	. . .	600.8	. . .	657.5	. . .	657.8	. . .	664.8	. . .	627.7	. . .	619.2
White female												
All ages	78,700	869.5	83,400	929.0	349,140	965.2	341,900	952.9	964,910	878.8	933,130	856.9
Under 1 year					2,850	[2]571.5	3,320	[2]666.9	8,720	[2]578.2	9,690	[2]638.3
1–4 years	890	48.9	1,390	77.3	620	30.8	760	38.2	1,940	31.8	2,110	35.0
5–14 years					760	16.0	830	17.7	2,470	17.1	2,340	16.4
15–24 years	370	32.1	340	29.4	1,750	37.8	1,860	40.0	6,250	44.5	6,240	44.2
25–34 years	960	69.4	920	65.5	3,560	64.4	3,590	63.8	10,830	64.0	10,320	60.0
35–44 years	1,840	129.7	1,730	124.3	6,850	121.0	6,620	119.2	20,440	119.3	19,910	118.4
45–54 years	3,350	317.0	3,080	302.9	12,930	306.9	12,240	302.5	37,700	297.7	35,590	292.6
55–64 years	5,790	744.7	6,310	811.5	25,560	822.0	26,850	862.8	75,530	798.8	77,180	814.1
65–74 years	14,670	1,934.6	14,950	1,971.9	62,900	2,074.0	62,880	2,074.1	178,190	1,930.6	176,720	1,920.0
75–84 years	23,630	4,716.2	24,960	5,048.7	106,140	5,303.8	103,370	5,235.7	291,360	4,805.5	281,650	4,710.7
85 years and over	27,190	14,598.9	29,690	16,315.6	125,160	16,838.6	119,500	16,459.2	331,270	14,742.8	311,150	14,214.3
Not stated	10	. . .	30	. . .	50	. . .	80	. . .	210	. . .	240	. . .
Age-adjusted rate[3]	. . .	359.4	. . .	380.0	. . .	388.6	. . .	391.5	. . .	365.6	. . .	362.8
Black												
All ages	22,160	828.2	24,030	912.6	99,350	930.0	98,010	932.3	283,400	876.0	275,360	865.1
Under 1 year					3,320	[2]1,589.9	3,530	[2]1,671.1	10,480	[2]1,655.6	10,780	[2]1,684.4
1–4 years	950	129.7	1,240	171.8	640	77.6	760	91.7	1,680	67.1	1,770	71.5
5–14 years					600	31.2	580	31.9	1,910	33.4	1,870	33.4
15–24 years	760	171.7	620	141.4	3,090	175.3	3,030	172.1	9,510	177.2	9,050	169.7
25–34 years	1,230	274.1	1,210	268.4	5,200	289.5	4,880	270.6	15,210	277.9	15,040	273.7
35–44 years	1,980	481.5	2,240	563.2	9,140	557.7	8,570	540.4	26,040	527.1	24,110	504.8
45–54 years	2,210	882.2	2,130	893.9	9,320	935.3	9,110	960.8	27,900	935.0	25,330	891.0
55–64 years	2,990	1,746.4	3,210	1,897.7	13,190	1,929.5	13,640	2,017.7	38,790	1,870.3	39,040	1,905.3
65–74 years	4,290	3,262.2	4,880	3,757.8	20,240	3,848.4	20,680	3,987.2	58,390	3,663.1	57,400	3,653.7
75–84 years	4,660	6,889.0	5,000	7,510.3	20,940	7,762.6	20,150	7,573.1	56,210	6,888.5	55,350	6,858.7
85 years and over	3,060	15,195.9	3,480	17,352.5	13,570	16,913.0	12,990	16,222.9	36,980	15,155.7	35,370	14,676.3
Not stated	30	. . .	20	. . .	90	. . .	90	. . .	290	. . .	230	. . .
Age-adjusted rate[3]	. . .	735.6	. . .	802.9	. . .	823.8	. . .	831.6	. . .	784.9	. . .	775.8
Black male												
All ages	12,060	950.1	12,740	1,020.7	54,290	1,071.4	52,520	1,054.0	155,290	1,012.0	148,200	982.4
Under 1 year					2,080	[2]1,970.9	2,010	[2]1,881.1	6,380	[2]1,987.5	5,810	[2]1,793.2
1–4 years	540	145.4	720	196.9	350	83.7	420	101.4	920	72.6	920	73.4
5–14 years					330	34.4	300	30.9	1,050	36.2	1,130	39.9
15–24 years	600	271.4	410	187.2	2,480	280.7	2,310	263.6	7,670	286.1	7,010	263.2
25–34 years	920	433.2	830	389.4	3,580	421.2	3,320	390.6	10,900	421.0	10,500	404.2
35–44 years	1,350	704.0	1,300	702.0	6,330	828.4	5,500	745.4	17,570	763.2	15,750	708.8
45–54 years	1,340	1,179.7	1,360	1,259.2	5,690	1,260.7	5,690	1,322.9	17,030	1,258.7	15,480	1,200.9
55–64 years	1,830	2,452.1	1,870	2,539.2	7,710	2,584.9	7,810	2,655.5	22,800	2,522.1	21,940	2,456.9
65–74 years	2,330	4,269.3	2,670	4,967.1	11,350	5,212.3	11,030	5,141.4	31,550	4,780.3	31,200	4,807.4
75–84 years	2,050	8,426.2	2,310	9,658.1	9,810	10,117.2	9,400	9,844.0	26,450	9,027.3	25,780	8,889.7
85 years and over	1,080	18,507.0	1,270	21,460.6	4,550	19,492.4	4,650	19,644.1	12,810	18,042.3	12,520	17,885.7
Not stated	20	. . .	10	. . .	30	. . .	60	. . .	170	. . .	170	. . .
Age-adjusted rate[3]	. . .	989.5	. . .	1,057.3	. . .	1,113.6	. . .	1,098.4	. . .	1,056.3	. . .	1,026.0

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, April 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with April 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]

	April				*January–April*				*12 months ending with April*			
	1994		*1993*		*1994*		*1993*		*1994*		*1993*	
Age, race, and sex	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*
Black female												
All ages	10,100	718.2	11,300	816.0	45,050	802.4	45,500	822.9	128,110	753.2	127,160	759.5
Under 1 year					1,230	[2]1,207.8	1,520	[2]1,456.1	4,100	[2]1,314.1	4,970	[2]1,572.8
1–4 years	410	113.6	520	145.9	300	73.7	340	84.2	760	61.5	840	68.7
5–14 years					270	30.0	280	31.7	870	30.8	750	27.2
15–24 years	150	67.7	210	95.7	610	67.8	720	82.0	1,840	68.5	2,050	76.8
25–34 years	310	131.2	380	159.9	1,620	171.2	1,560	163.0	4,310	149.4	4,550	157.1
35–44 years	630	287.1	940	442.2	2,810	322.4	3,070	362.1	8,470	321.1	8,360	327.3
45–54 years	870	635.3	770	591.1	3,620	665.3	3,420	658.7	10,860	665.8	9,850	633.8
55–64 years	1,160	1,201.1	1,340	1,403.0	5,490	1,422.9	5,830	1,528.1	16,000	1,367.5	17,100	1,479.2
65–74 years	1,960	2,547.7	2,210	2,903.7	8,880	2,885.7	9,650	3,173.0	26,840	2,873.7	26,200	2,841.6
75–84 years	2,620	6,048.7	2,690	6,306.0	11,130	6,451.8	10,750	6,299.8	29,750	5,688.3	29,580	5,721.5
85 years and over	1,970	13,774.9	2,210	15,632.7	9,020	15,838.9	8,340	14,769.9	24,170	13,971.1	22,860	13,368.4
Not stated	10	. . .	10	. . .	60	. . .	30	. . .	120	. . .	60	. . .
Age-adjusted rate[3]	. . .	537.8	. . .	612.9	. . .	601.2	. . .	628.8	. . .	575.3	. . .	585.3

[1]Includes races other than white and black.

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

[3]For 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, April 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with April 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)	April				January–April				12 months ending with April			
	1994		1993		1994		1993		1994		1993	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All causes	182,000	853.5	196,000	926.6	810,000	948.7	798,000	944.8	2,280,000	880.5	2,207,000	861.8
Shigellosis and amebiasis .004,006	–	*	–	*	10	*	–	*	10	*	–	*
Certain other intestinal infections .007–009	90	*	60	*	320	0.4	230	0.3	670	0.3	690	0.3
Tuberculosis .010–018	110	0.5	190	0.9	490	0.6	580	0.7	1,440	0.6	1,510	0.6
Tuberculosis of respiratory system .010–012	110	0.5	170	0.8	400	0.5	480	0.6	1,150	0.4	1,210	0.5
Other tuberculosis .013–018	10	*	20	*	90	*	100	*	290	0.1	300	0.1
Whooping cough .033	–	*	–	*	20	*	10	*	20	*	20	*
Streptococcal sore throat, scarlatina, and erysipelas .034–035	–	*	–	*	–	*	–	*	–	*	–	*
Meningococcal infection .036	20	*	40	*	110	0.1	130	0.1	260	0.1	280	0.1
Septicemia .038	1,710	8.0	1,830	8.7	7,660	9.0	7,320	8.7	20,730	8.0	20,010	7.8
Acute poliomyelitis .045	–	*	–	*	–	*	–	*	–	*	–	*
Measles .055	–	*	–	*	–	*	–	*	–	*	–	*
Viral hepatitis .070	180	0.8	220	1.0	910	1.0	820	1.0	2,600	1.0	2,090	0.8
Syphilis .090–097	–	*	–	*	60	*	10	*	150	0.1	40	*
All other infectious and parasitic diseases[1] .001–003,005,020–032,037,039–041,*042–*044,046–054,056–066,071–088,098–139	3,470	16.2	3,590	17.0	15,110	17.7	14,280	16.9	44,970	17.4	40,250	15.7
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues .140–208	41,820	195.7	43,270	204.7	178,350	208.9	177,900	210.7	531,720	205.4	526,140	205.4
Malignant neoplasms of lip, oral cavity, and pharynx .140–149	550	2.6	690	3.3	2,540	3.0	2,700	3.2	8,000	3.1	8,110	3.2
Malignant neoplasms of digestive organs and peritoneum .150–159	9,940	46.5	9,970	47.2	41,740	48.9	39,960	47.3	125,240	48.4	121,720	47.5
Malignant neoplasms of respiratory and intrathoracic organs .160–165	11,800	55.2	12,580	59.5	50,570	59.2	52,230	61.9	152,270	58.8	153,110	59.8
Malignant neoplasm of breast .174–175	3,500	16.4	3,800	18.0	14,570	17.1	15,220	18.0	44,060	17.0	43,780	17.1
Malignant neoplasms of genital organs .179–187	4,750	22.2	4,940	23.4	20,370	23.9	20,820	24.7	60,290	23.3	59,830	23.4
Malignant neoplasms of urinary organs .188–189	1,790	8.4	1,940	9.2	7,690	9.0	7,750	9.2	22,070	8.5	22,690	8.9
Malignant neoplasms of all other and unspecified sites .170–173,190–199	5,160	24.1	5,150	24.4	22,250	26.1	21,750	25.8	66,880	25.8	64,550	25.2
Leukemia .204–208	1,630	7.6	1,520	7.2	6,990	8.2	6,620	7.8	19,320	7.5	19,830	7.7
Other malignant neoplasms of lymphatic and hematopoietic tissues .200–203	2,700	12.6	2,680	12.7	11,620	13.6	10,840	12.8	33,610	13.0	32,510	12.7
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature .210–239	610	2.8	610	2.9	2,640	3.1	2,580	3.1	8,110	3.1	7,440	2.9
Diabetes mellitus .250	4,250	19.9	4,700	22.2	19,430	22.7	19,610	23.2	54,850	21.2	51,380	20.1
Nutritional deficiencies .260–269	250	1.2	220	1.0	1,150	1.3	1,040	1.2	3,440	1.3	3,110	1.2
Anemias .280–285	410	1.9	360	1.7	1,420	1.7	1,560	1.8	4,390	1.7	4,280	1.7
Meningitis .320–322	40	*	40	*	370	0.4	330	0.4	860	0.3	770	0.3
Major cardiovascular diseases .390–448	76,480	357.9	83,210	393.6	340,020	398.3	339,950	402.5	940,560	363.3	925,320	361.3
Diseases of heart .390–398,402,404–429	59,650	279.1	65,460	309.7	264,400	309.7	266,060	315.1	735,330	284.0	727,310	284.0
Rheumatic fever and rheumatic heart disease .390–398	540	2.5	540	2.5	1,970	2.3	1,990	2.4	5,560	2.1	5,770	2.3
Hypertensive heart disease .402	1,930	9.0	2,010	9.5	8,440	9.9	8,590	10.2	23,120	8.9	23,260	9.1
Hypertensive heart and renal disease .404	220	1.0	230	1.1	680	0.8	790	0.9	2,170	0.8	2,340	0.9
Ischemic heart disease .410–414	39,500	184.8	43,290	204.8	174,520	204.4	175,920	208.3	484,120	187.0	482,250	188.3
Acute myocardial infarction .410	18,540	86.8	20,090	95.0	81,850	95.9	81,300	96.3	227,230	87.8	227,410	88.8
Other acute and subacute forms of ischemic heart disease .411	190	0.9	190	0.9	980	1.1	990	1.2	2,950	1.1	2,810	1.1
Angina pectoris .413	100	*	80	*	360	0.4	270	0.3	820	0.3	910	0.4
Old myocardial infarction and other forms of chronic ischemic heart disease .412,414	20,680	96.8	22,940	108.5	91,330	107.0	93,350	110.5	253,110	97.8	251,120	98.0
Other diseases of endocardium .424	1,040	4.9	1,330	6.3	5,090	6.0	5,150	6.1	14,420	5.6	14,690	5.7
All other forms of heart disease .415–423,425–429	16,420	76.8	18,060	85.4	73,710	86.3	73,620	87.2	205,950	79.5	198,990	77.7
Hypertension with or without renal disease .401,403	860	4.0	920	4.3	4,170	4.9	3,730	4.4	10,970	4.2	10,240	4.0
Cerebrovascular diseases .430–438	12,390	58.0	13,050	61.7	55,150	64.6	54,050	64.0	150,600	58.2	146,030	57.0
Intracerebral and other intracranial hemorrhage .431–432	1,840	8.6	1,890	8.9	7,480	8.8	8,020	9.5	20,730	8.0	21,510	8.4
Cerebral thrombosis and unspecified occlusion of cerebral arteries .434.0,434.9	1,310	6.1	1,320	6.2	5,400	6.3	5,620	6.7	15,590	6.0	15,560	6.1

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, April 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with April 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)	April				January–April				12 months ending with April			
	1994		1993		1994		1993		1994		1993	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Cerebral embolism .434.1	70	*	20	*	340	0.4	180	0.2	650	0.3	580	0.2
All other and late effects of cerebrovascular diseases .430,433,435–438	9,170	42.9	9,830	46.5	41,940	49.1	40,220	47.6	113,630	43.9	108,390	42.3
Atherosclerosis .440	1,400	6.5	1,450	6.8	6,710	7.9	6,530	7.7	17,230	6.7	17,000	6.6
Other diseases of arteries, arterioles, and capillaries .441–448	2,180	10.2	2,340	11.1	9,580	11.2	9,570	11.3	26,430	10.2	24,740	9.7
Acute bronchitis and bronchiolitis .466	40	*	40	*	340	0.4	310	0.3	590	0.2	580	0.2
Pneumonia and influenza .480–487	6,220	29.1	8,180	38.7	36,050	42.2	32,660	38.7	83,110	32.1	76,520	29.9
Pneumonia .480–486	6,190	29.0	8,040	38.0	34,870	40.8	32,030	37.9	81,630	31.5	75,780	29.6
Influenza .487	30	*	140	0.7	1,180	1.4	630	0.8	1,470	0.6	730	0.3
Chronic obstructive pulmonary diseases and allied conditions .490–496	8,250	38.6	9,660	45.7	39,880	46.7	37,990	45.0	102,510	39.6	93,330	36.4
Bronchitis, chronic and unspecified .490–491	220	1.0	270	1.3	1,460	1.7	1,500	1.8	3,550	1.4	3,660	1.4
Emphysema .492	1,370	6.4	1,680	7.9	6,440	7.5	6,880	8.1	17,540	6.8	17,380	6.8
Asthma .493	370	1.7	460	2.2	2,100	2.4	1,740	2.1	5,220	2.0	4,530	1.8
Other chronic obstructive pulmonary diseases and allied conditions .494–496	6,280	29.4	7,260	34.3	29,880	35.0	27,860	33.0	76,190	29.4	67,770	26.5
Ulcer of stomach and duodenum .531–533	630	2.9	530	2.5	2,210	2.6	2,110	2.5	5,640	2.2	5,790	2.3
Appendicitis .540–543	10	*	40	*	80	*	160	0.2	370	0.1	320	0.1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia .550–553,560	450	2.1	430	2.0	2,070	2.4	1,870	2.2	5,980	2.3	5,730	2.2
Chronic liver disease and cirrhosis .571	2,110	9.9	2,150	10.2	8,610	10.1	8,440	10.0	24,840	9.6	24,740	9.7
Cholelithiasis and other disorders of gallbladder .574–575	280	1.3	190	0.9	940	1.1	960	1.1	2,650	1.0	2,860	1.1
Nephritis and nephrotic syndrome, and nephrosis .580–589	2,180	10.2	2,110	10.0	8,910	10.4	9,280	11.0	24,300	9.4	24,020	9.4
Acute glomerulonephritis and nephrotic syndrome .580–581	30	*	20	*	110	0.1	110	0.1	330	0.1	280	0.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified .582–583,587	150	0.7	140	0.7	520	0.6	510	0.6	1,580	0.6	1,480	0.6
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause .584–586,588–589	2,000	9.4	1,960	9.3	8,280	9.7	8,650	10.2	22,390	8.6	22,260	8.7
Infections of kidney .590	80	*	110	0.5	410	0.5	350	0.4	1,050	0.4	1,050	0.4
Hyperplasia of prostate .600	30	*	50	*	140	0.2	150	0.2	440	0.2	370	0.1
Complications of pregnancy, childbirth, and the puerperium .630–676	20	*	30	*	90	*	140	0.2	250	0.1	370	0.1
Pregnancy with abortive outcome .630–638	–	*	–	*	30	*	30	*	60	*	60	*
Other complications of pregnancy, childbirth, and the puerperium .640–676	20	*	30	*	60	*	110	0.1	190	0.1	310	0.1
Congenital anomalies .740–759	770	3.6	860	4.1	3,720	4.4	3,820	4.5	11,520	4.4	11,990	4.7
Certain conditions originating in the perinatal period .760–779	1,000	4.7	1,330	6.3	4,520	5.3	4,930	5.8	15,200	5.9	15,350	6.0
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome .767–769	140	0.6	320	1.5	850	1.0	980	1.2	2,790	1.1	3,090	1.2
Other conditions originating in the perinatal period .760–766,770–779	860	4.0	1,000	4.7	3,670	4.3	3,950	4.7	12,410	4.8	12,250	4.8
Symptoms, signs, and ill–defined conditions .780–799	2,990	14.0	3,830	18.1	13,680	16.0	13,840	16.4	39,140	15.1	36,890	14.4
All other diseases .Residual	16,180	75.7	16,980	80.3	73,710	86.3	70,540	83.5	200,630	77.5	185,170	72.3
Accidents and adverse effects .E800–E949	7,030	32.9	6,560	31.0	27,740	32.5	25,720	30.4	89,040	34.4	83,480	32.6
Motor vehicle accidents .E810–E825	3,430	16.0	3,100	14.7	12,380	14.5	11,620	13.8	41,540	16.0	40,540	15.8
All other accidents and adverse effects .E800–E807,E826–E949	3,600	16.8	3,470	16.4	15,350	18.0	14,090	16.7	47,490	18.3	42,950	16.8
Suicide .E950–E959	2,730	12.8	2,320	11.0	10,120	11.8	9,520	11.3	30,600	11.8	28,380	11.1
Homicide and legal intervention .E960–E978	1,680	7.9	1,890	8.9	7,760	9.1	7,720	9.1	24,820	9.6	24,660	9.6
All other external causes .E980–E999	260	1.2	210	1.0	770	0.9	990	1.2	2,380	0.9	2,410	0.9
Human immunodeficiency virus infection[2] .*042–*044	3,010	14.1	2,900	13.7	12,830	15.0	11,780	13.9	38,020	14.7	33,470	13.1

[1]Includes data for deaths due to Human immunodeficiency virus infection (category nos. *042–*044) shown separately below; see Technical notes.
[2]Included 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, April 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with April 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)	April				January–April				12 months ending with April			
	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[1] .140–208	41,820	195.7	43,270	204.7	178,350	208.9	177,900	210.7	531,720	205.4	526,140	205.4
Malignant neoplasm of esophagus .150	1,010	4.7	790	3.7	3,850	4.5	3,140	3.7	10,940	4.2	10,440	4.1
Malignant neoplasm of stomach .151	970	4.5	1,330	6.3	4,230	4.9	4,550	5.4	13,520	5.2	13,070	5.1
Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus .153,154	4,470	20.9	4,680	22.1	19,340	22.6	18,010	21.3	57,900	22.4	55,880	21.8
Malignant neoplasm of pancreas .157	2,100	9.8	2,040	9.6	8,920	10.4	9,030	10.7	26,470	10.2	26,750	10.4
Malignant neoplasms of trachea, bronchus, and lung .162	11,350	53.1	12,140	57.4	48,850	57.2	50,660	60.0	147,070	56.8	148,230	57.9
Malignant melanoma of skin .172	740	3.5	540	2.5	2,380	2.8	2,280	2.7	6,880	2.7	6,890	2.7
Malignant neoplasm of cervix uteri .180	400	1.9	380	1.8	1,510	1.8	1,690	2.0	4,630	1.8	4,550	1.8
Malignant neoplasms of body of uterus and of uterus, part unspecified .179,182	530	2.5	350	1.7	1,950	2.3	2,020	2.4	5,920	2.3	6,170	2.4
Malignant neoplasm of ovary .183.0	930	4.3	1,030	4.9	4,160	4.9	4,400	5.2	12,510	4.8	12,990	5.1
Malignant neoplasm of prostate .185	2,720	12.7	3,020	14.3	11,960	14.0	12,170	14.4	35,130	13.6	34,380	13.4
Malignant neoplasm of bladder .188	900	4.2	880	4.2	3,800	4.4	3,920	4.6	10,900	4.2	11,270	4.4
Malignant neoplasms of kidney and other and unspecified urinary organs .189	890	4.2	1,060	5.0	3,890	4.6	3,830	4.5	11,170	4.3	11,420	4.5
Malignant neoplasms of brain and other and unspecified parts of nervous system .191,192	920	4.3	850	4.0	3,840	4.5	3,720	4.4	11,270	4.4	11,020	4.3
Hodgkin's disease .201	130	0.6	170	0.8	530	0.6	600	0.7	1,540	0.6	1,760	0.7
Malignant lymphoma other than Hodgkin's disease .200,202	1,820	8.5	1,770	8.4	7,490	8.8	6,870	8.1	21,960	8.5	21,090	8.2
Multiple myeloma and other immunoproliferative neoplasms .203	750	3.5	740	3.5	3,600	4.2	3,370	4.0	10,110	3.9	9,660	3.8

[1]Includes 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, April 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with April 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)	April				January–April				12 months ending with April			
	1994		1993		1994		1993		1994		1993	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Injury by firearms .E922,E955.0–E955.4,E965.0–965.4,E970,E985.0–E985.4	3,050	14.3	3,130	14.8	12,530	14.7	12,150	14.4	39,170	15.1	36,790	14.4
Accident caused by firearm missile .E922	130	0.6	180	0.8	430	0.5	590	0.7	1,520	0.6	1,720	0.7
Suicide by firearms .E955.0–E955.4	1,630	7.6	1,490	7.0	6,430	7.5	5,870	6.9	19,370	7.5	17,670	6.9
Homicide and legal intervention by firearms .E965.0–E965.4,E970	1,250	5.8	1,430	6.8	5,600	6.6	5,550	6.6	18,000	7.0	17,060	6.7
Injury by firearms, undetermined whether accidentally or purposely inflicted .E985.0–E985.4	30	*	30	*	70	*	150	0.2	290	0.1	340	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, April 1993 and 1994, cumulative figures 1993 and 1994, and 12 months ending with April 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)	April				January–April				12 months ending with April			
	1994		1993		1994		1993		1994		1993	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Total, under 1 year	2,500	792.2	2,800	861.9	10,600	814.9	11,500	860.8	32,400	815.2	33,700	832.1
Under 28 days	1,450	466.4	1,830	555.9	6,280	483.1	6,760	508.1	20,920	526.3	21,210	523.8
28 days to 11 months	1,000	321.6	1,000	303.8	4,300	330.8	4,690	352.5	11,480	288.8	12,490	308.4
Certain gastrointestinal diseases .008–009,535,555–558	20	*	30	*	80	*	80	*	200	5.0	310	7.7
Pneumonia and influenza .480–487	60	*	40	*	240	18.5	210	15.8	490	12.3	560	13.8
Congenital anomalies .740–759	540	173.7	470	142.8	2,220	170.8	2,170	163.1	6,770	170.3	7,110	175.6
Disorders relating to short gestation and unspecified low birthweight .765	330	106.1	340	103.3	1,220	93.8	1,300	97.7	4,010	100.9	3,840	94.8
Birth trauma .767	20	*	30	*	90	*	50	*	180	4.5	160	4.0
Intrauterine hypoxia and birth asphyxia .768	10	*	80	*	170	13.1	240	18.0	580	14.6	750	18.5
Respiratory distress syndrome .769	110	35.4	210	63.8	570	43.8	680	51.1	1,970	49.6	2,150	53.1
Other conditions originating in the perinatal period .760–764,766,770–779	530	170.5	630	191.4	2,350	180.8	2,610	196.2	8,160	205.3	8,290	204.7
Sudden infant death syndrome .798.0	270	86.8	450	136.7	1,310	100.8	1,690	127.0	3,920	98.6	4,190	103.5
All other causes .Residual	570	183.3	560	170.1	2,330	179.2	2,420	181.9	6,110	153.7	6,350	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. $N - 2\sqrt{N}$ and $N + 2\sqrt{N}$

covers the "true" number of events.

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

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 of the 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.

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

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:

$$Y(t) = A_0 + A_1 t + A_2 t^2 + C \cos(2\pi t/12) + S \sin(2\pi t/12) + \epsilon_t$$

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

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:

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

where

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

$P_{x(s)}$ = population in the x^{th} 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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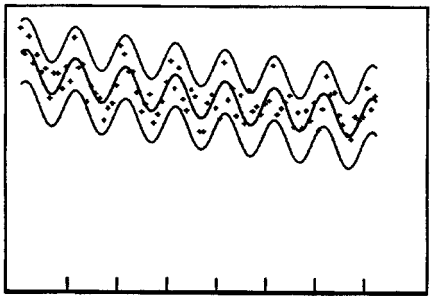
Mortality Surveillance System topics

MVSR issue	*Cause-of-death*	*Healthy People 2000 Objective Number*
Vol. 42 No. 6	Malignant neoplasms including neoplasms of lymphatic and hematopoietic tissues	2.2 (16.1)
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)

[1]No *Healthy People 2000* objective addresses mortality from Malignant neoplasm of prostate.
[2]No *Healthy People 2000* objective addresses mortality from Legal intervention.
[3]No *Healthy People 2000* objective addresses mortality from Sudden infant death syndrome.
[4]No *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.



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