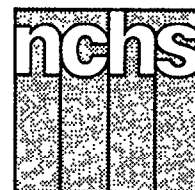


Monthly Vital Statistics Report



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

Births, Marriages, Divorces, and Deaths for 1992

Mortality Surveillance System

pages 4-7

Infant mortality, Neonatal mortality, Postneonatal mortality, and Sudden infant death syndrome

State Maps

pages 8-9

Infant mortality and Postneonatal mortality

Provisional data for the United States for 1992 show that the birth rate per 1,000 population declined from the previous year, while the death rate remained steady. Between 1991 and 1992, a decrease was observed in the infant mortality rate per 1,000 live births. The marriage rate per 1,000 population decreased from the rate for 1991 and the divorce rate was unchanged.

Births

According to provisional reports, an estimated 325,000 births occurred in the United States during December

1992. This was a decrease of 5 percent from the provisional number of births reported for the previous December (342,000). The birth rate, 14.9 live births per 1,000 population, was 6 percent lower than the rate of 15.8 for December 1991. The fertility rate, 65.1 live births per 1,000 women aged 15-44 years, was 5 percent lower than the comparable rate for December 1991 (68.3). The seasonally adjusted fertility rate (66.8) also was 5 percent lower than the comparable rate a year earlier (70.1).

An estimated 4,084,000 live births occurred in 1992, a decline of 1 percent from the 4,111,000 births

Provisional Vital Statistics for the United States

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

Item	December				January-December					
	Number		Rate		Number		Rate			
	1992	1991	1992	1991	1992	1991	1992	1991	1990	1989
Live births	325,000	342,000	14.9	15.8	4,084,000	4,111,000	15.9	16.2	16.7	16.2
Fertility rate . . . . .	...	...	65.1	68.3	...	...	69.3	69.6	71.1	68.8
Deaths	186,000	191,000	8.5	8.8	2,177,000	2,165,000	8.5	8.5	8.6	8.7
Infant deaths	2,900	2,900	8.8	8.6	34,400	36,500	8.5	8.9	9.1	9.7
Natural increase	139,000	151,000	6.4	7.0	1,907,000	1,946,000	7.4	7.7	8.1	7.5
Marriages	184,000	180,000	8.4	8.3	2,362,000	2,371,000	9.2	9.4	9.8	9.7
Divorces	105,000	99,000	4.8	4.6	1,215,000	1,187,000	4.7	4.7	4.7	4.7

NOTE: 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.



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



reported for the previous year. The birth rate of 15.9 was 2 percent lower than the rate of 16.2 for 1991. The fertility rate for 1992 was 69.3, slightly lower than the rate for 1991 (69.6). 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 139,000 people, or 6.4 persons per 1,000 population, were added to the population during December 1992.

During 1992, 1,907,000 persons were added to the population. This represents a rate of natural increase of 7.4, 4 percent lower than the rate of 7.7 for 1991. The decline in the rate of natural increase is due entirely to a decrease in the birth rate because the death rate remained steady.

Marriages

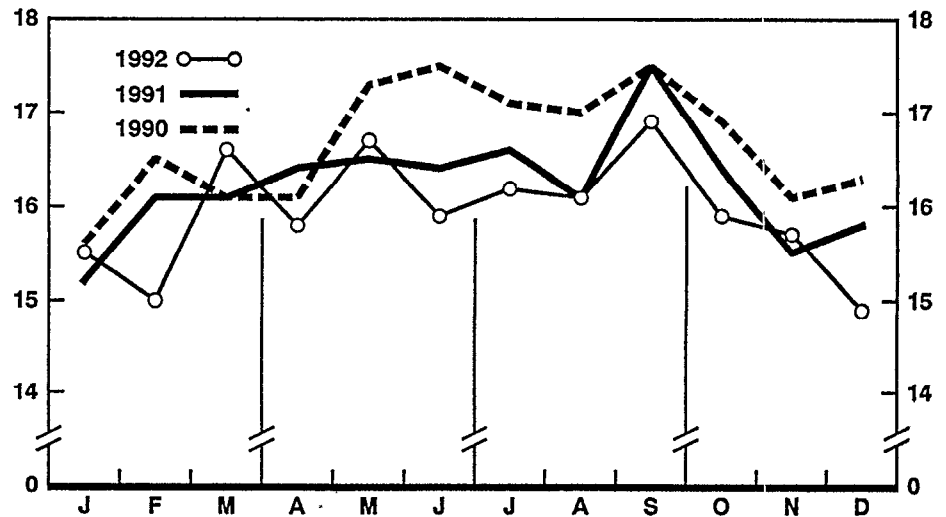
Marriages performed in December 1992 numbered 184,000, a 2-percent increase over the number for December a year earlier (180,000). The marriage rate per 1,000 population for December was 8.4 in 1992, 1 percent higher than for the previous year (8.3).

The provisional number of marriages for January–December 1992 was 2,362,000, a slight decline from the previous year (2,371,000). Despite the small change in the number of marriages, the marriage rate for 1992 (9.2) was 2 percent lower than for 1991 (9.4) because of the increase in the population.

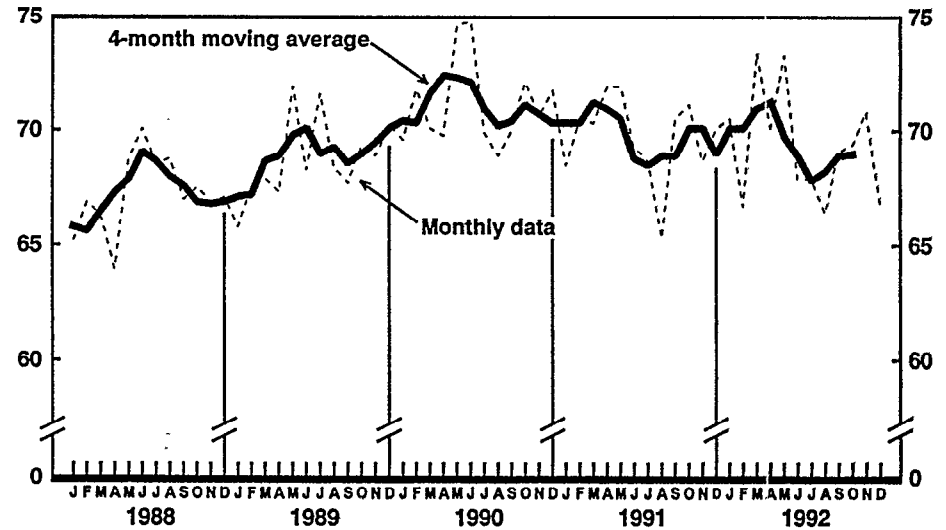
Divorces

Divorces granted in December 1992 numbered 105,000, 6 percent higher than for December of the previous year (99,000). The divorce rate per 1,000 population for December increased 4 percent from 1991 (4.6) to 1992 (4.8).

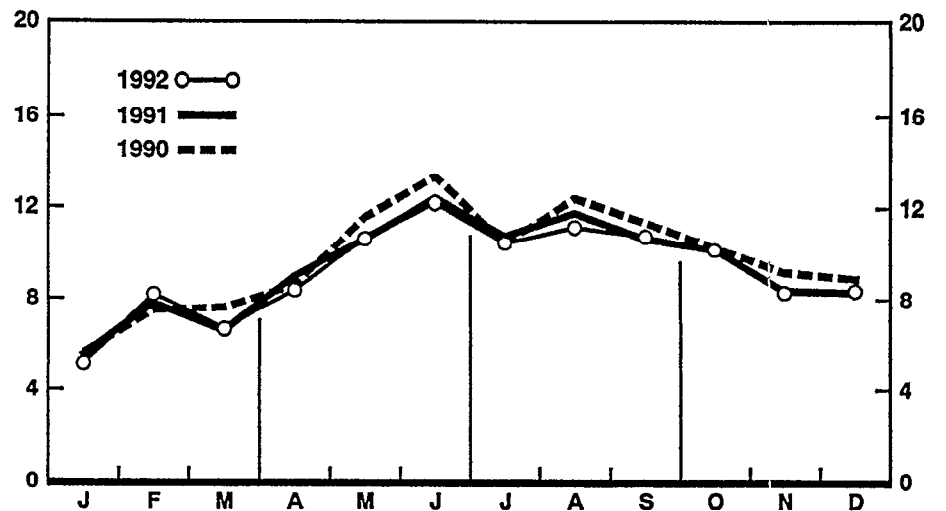
In 1992 there were 1,215,000 divorces, a 2-percent increase over the number for 1991 (1,187,000). The increase in the number of divorces



Provisional birth rates per 1,000 population by month: United States, 1990-92



Provisional seasonally adjusted fertility rates per 1,000 women aged 15-44: United States, 1988-92



Provisional marriage rates per 1,000 population by month: United States, 1990-92

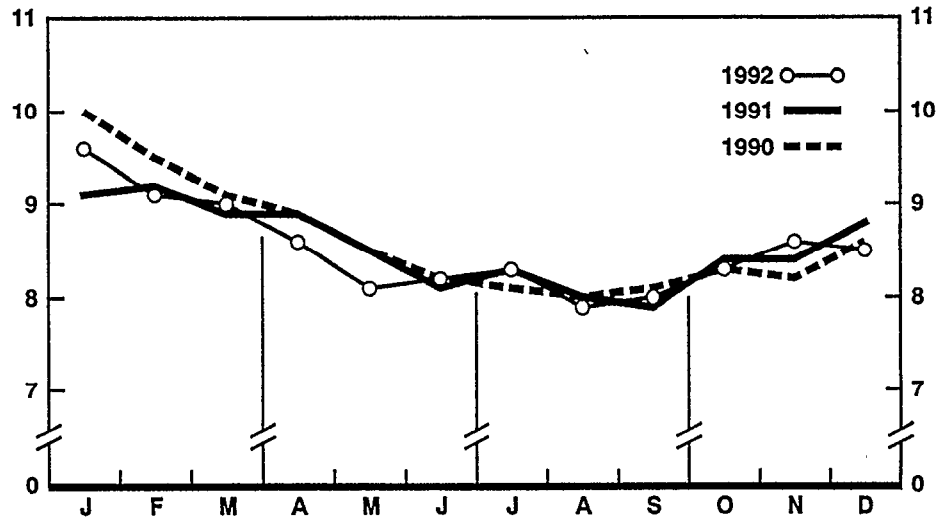
matched the increase in the population, so the divorce rate remained steady at 4.7.

Deaths

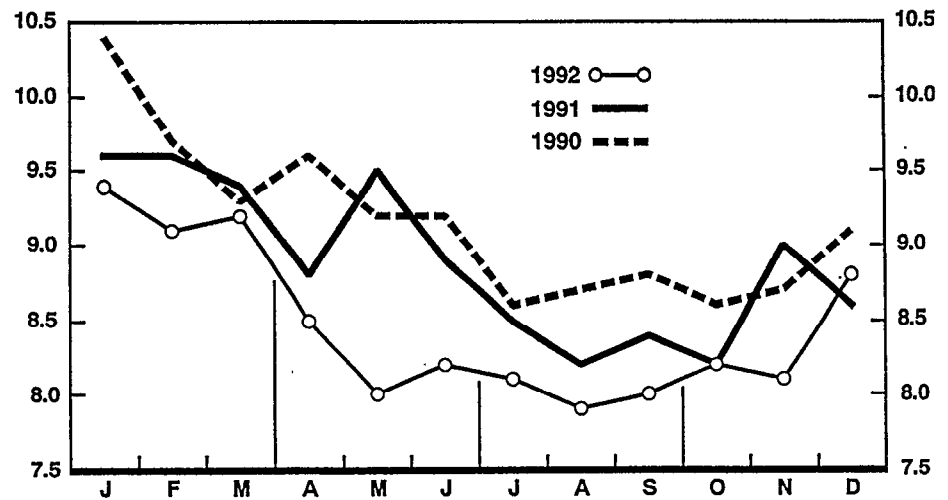
The provisional count of deaths estimated for the United States during 1992 totaled 2,177,000, about 12,000 more than in the previous year. The death rate of 8.5 per 1,000 population was the same as the rate for 1991. Approximately 34,400 of these deaths were to infants under 1 year of age. The infant mortality rate was 8.5 per 1,000 live births, 4 percent lower than the rate of 8.9 for 1991.

Current Mortality Sample, 12 months ending with November 1992— The provisional death rate for the 12 months ending with November 1992 was 854.6 deaths per 100,000 population compared with a rate of 853.2 for the 12-month period ending with November 1991. The change in the death rate was not statistically significant. The provisional age-adjusted death rate for the 12-month period ending with November 1992 was 503.4 deaths per 100,000 population, 1 percent lower than the rate of 507.1 for the 12-month period ending with November 1991. 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 decreased for white males and white females. By age, the death rate for the total population decreased for the age groups under 1 year and 85 years and over but increased for the age group 35–44 years.

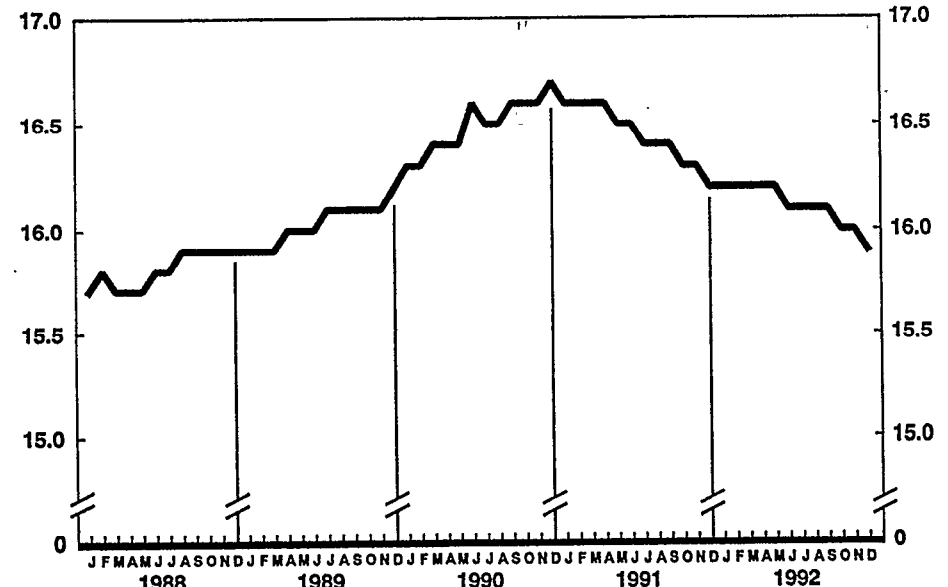
Among the major causes of death, the estimated death rate increased between the two successive 12-month periods for Chronic obstructive pulmonary diseases and Human immunodeficiency virus infection. The death rate decreased between the two successive 12-month periods for Motor vehicle accidents.



Provisional death rates per 1,000 population by month: United States, 1990-92



Provisional infant mortality rates per 1,000 live births by month: United States, 1990-92



Provisional birth rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1988-92

The infant mortality rate for the 12 months ending with November 1992 was 845.5 per 100,000 live births, 6 percent lower than the rate of 897.3 for the same 12-month period a year earlier. For infants under 28 days, the 12-month rate ending with November 1992 was 532.9 compared with a rate of 560.8 for the 12-month period a year earlier. The infant mortality rate for infants 28 days to 11 months was 313.3 compared with a rate of 336.3 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. Among causes of infant death, the infant mortality rate decreased between the two successive 12-month periods for Disorders relating to short gestation and unspecified low birthweight.

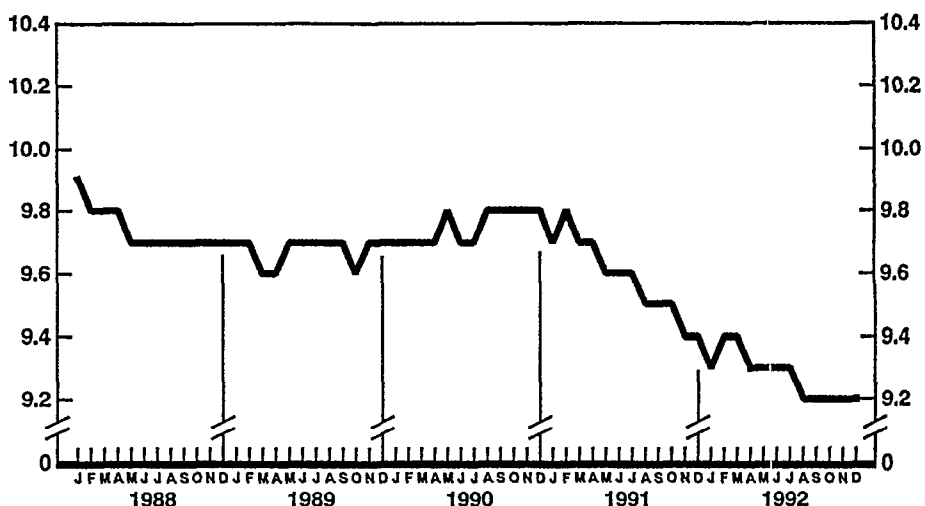
Mortality Surveillance System

Discussed this month are recent trends in infant mortality rates (deaths to infants under 1 year of age per 100,000 live births), neonatal mortality rates (under 28 days), postneonatal mortality rates (28 days to 11 months), and trends in infant mortality rates for Sudden infant death syndrome. In this issue, final mortality data are analyzed for data year 1990 and provisional data from January 1982–April 1992.

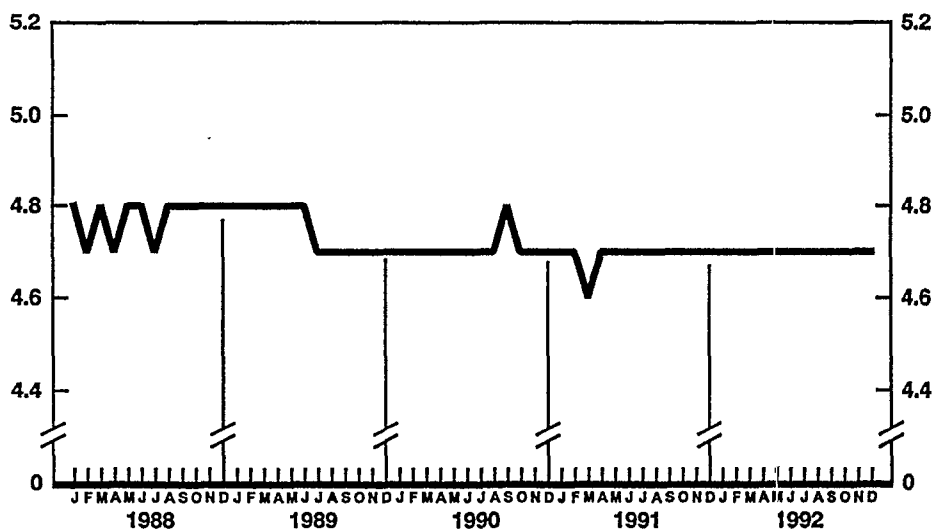
In 1990, the latest year for which final mortality data are available, a total of 38,351 deaths occurred to infants under 1 year. Of these, 24,309 deaths or 63 percent of all infant deaths were to infants under 28 days and 14,042 deaths or 37 percent of all infant deaths were to infants 28 days to 11 months.

Based on 1990 final data, the infant mortality rate was 922.3 infant deaths per 100,000 live births. The neonatal mortality rate was 584.6 per 100,000 live births, 1.7 times the postneonatal mortality rate of 337.7. Infant mortality rates, neonatal mortality rates, and postneonatal mortality rates have been generally decreasing since the early 1960's.

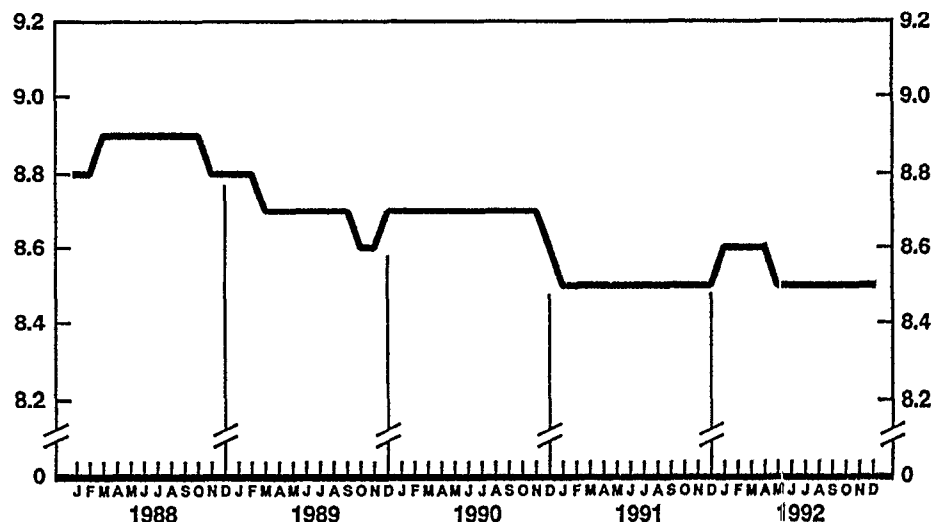
In 1990, Sudden infant death syndrome accounted for 5,417 deaths, or 14 percent of all deaths to infants



Provisional marriage rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1988-92



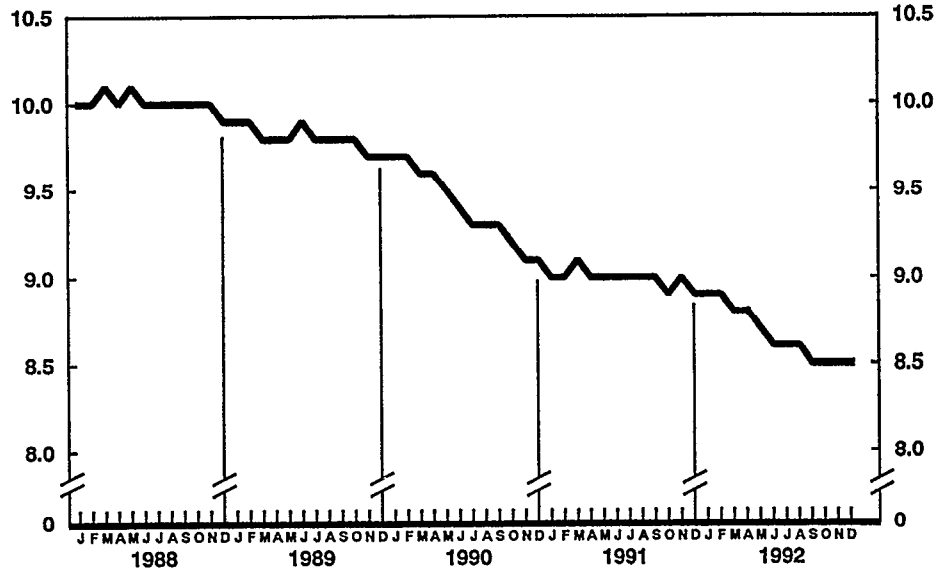
Provisional divorce rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1988-92



Provisional death rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1988-92

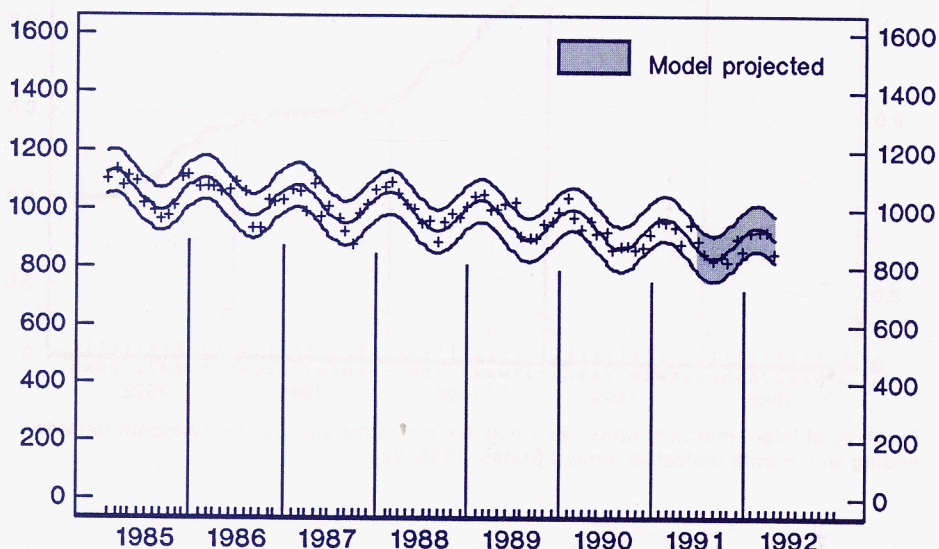
under 1 year and was the second leading cause of infant death (after Congenital anomalies) in that year.

Trends based on provisional data for these age groups and cause of infant death are presented in the Mortality Surveillance System charts and accompanying text that follows.



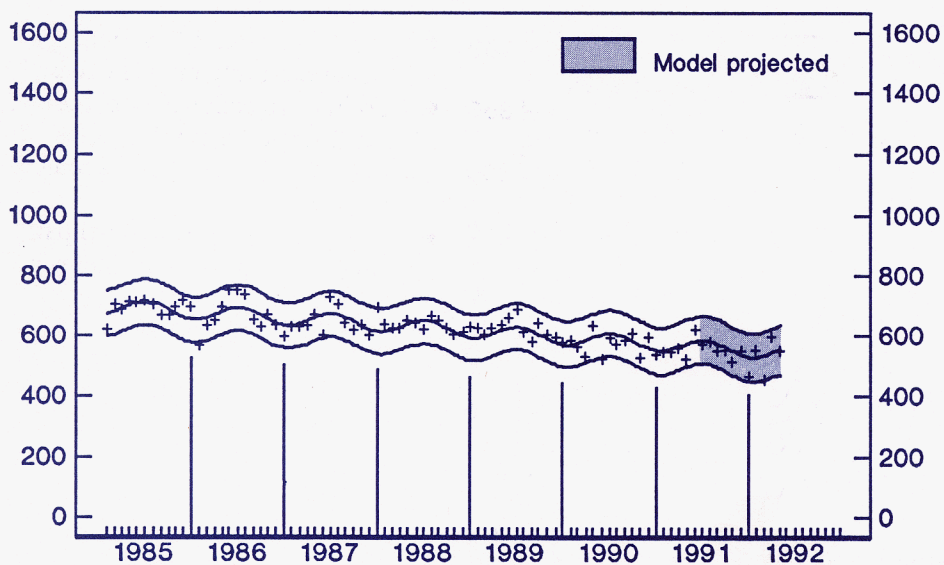
Mortality Surveillance System Charts

[Observed and fitted provisional monthly death rates and 95-percent prediction intervals. Model fitted using death rates for January 1982–April 1991; projected for May 1991–April 1992. See Technical notes]



Provisional infant mortality rates per 100,000 live births, by month: United States, 1985–92

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

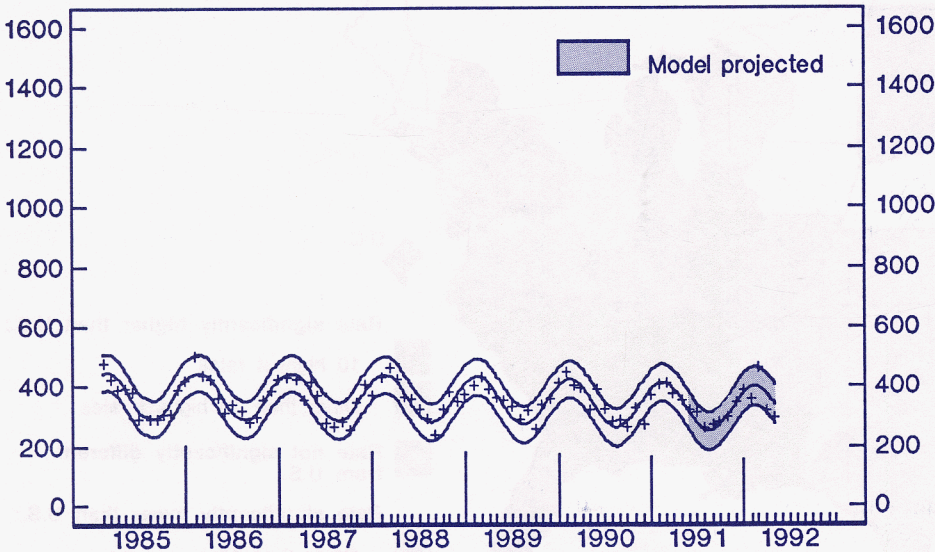


Provisional neonatal mortality rates per 100,000 live births, by month: United States, 1985–92

- For the modeled period, provisional neonatal mortality rates decreased.
- For the projection period, observed provisional monthly rates fell within 95-percent prediction intervals.
- Mortality shows a seasonal pattern with neonatal mortality rates higher in the early summer.

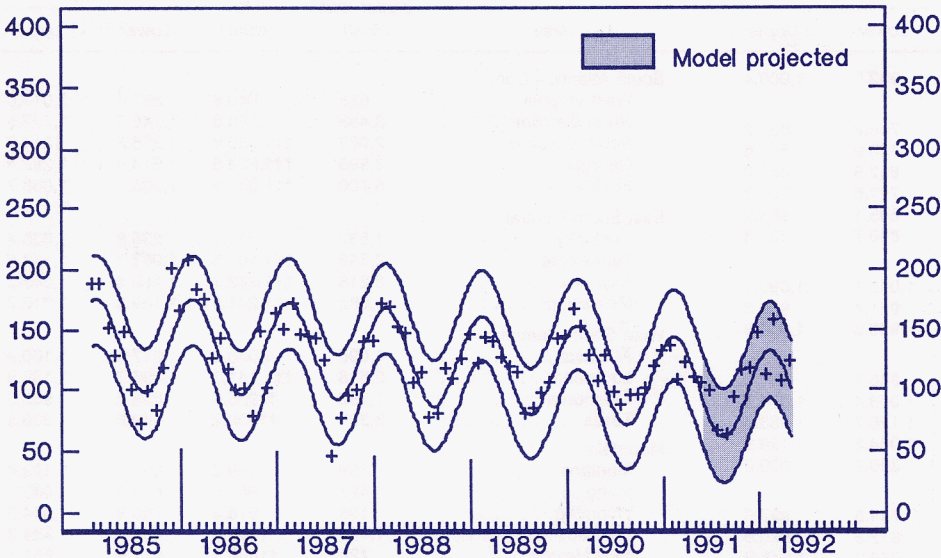
Mortality Surveillance System Charts – Con.

[Observed and fitted provisional monthly death rates and 95-percent prediction intervals. Model fitted using death rates for January 1982–April 1991; projected for May 1991–April 1992. See Technical notes]



Provisional postneonatal mortality rates per 100,000 live births, by month: United States, 1985–92

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

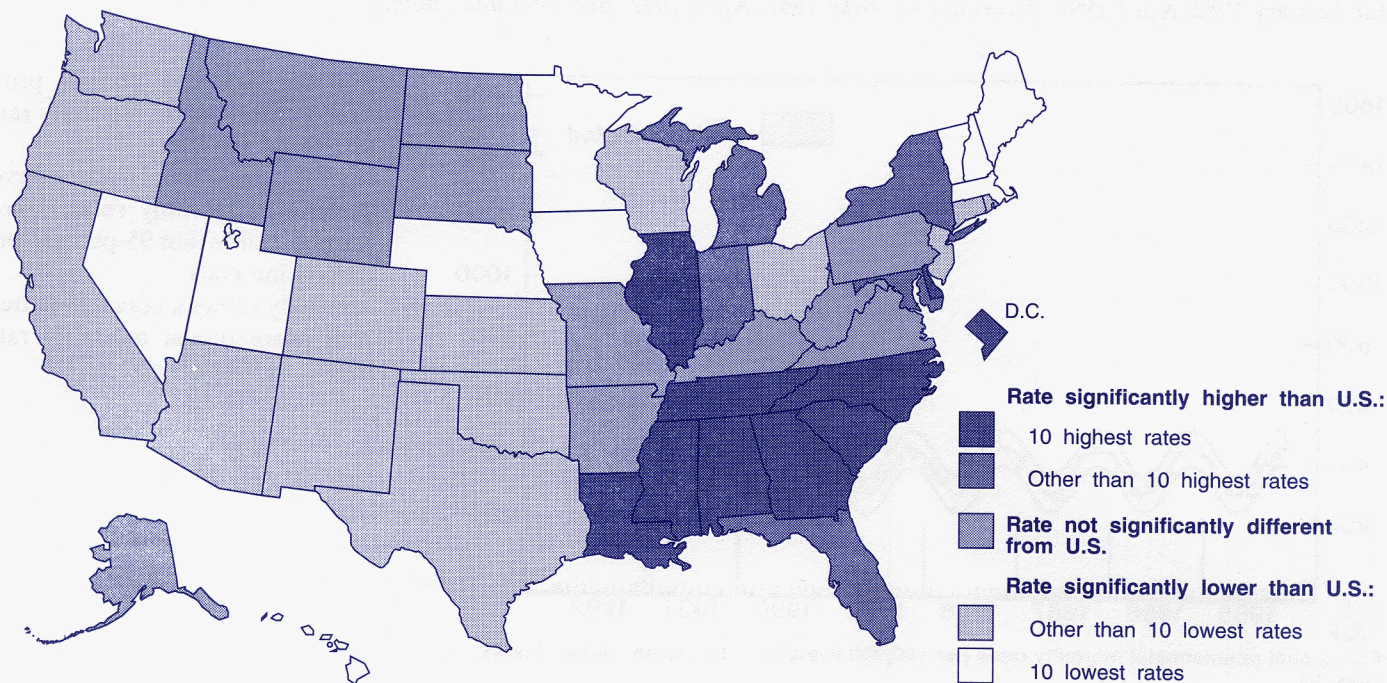


Provisional mortality rates per 100,000 live births for Sudden Infant Death Syndrome, by month: United States, 1985–92

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

Final 3-year total number of infant deaths and average annual infant mortality rates and 95-percent confidence limits: United States and each State, 1987-89

[Data are final by State of residence]



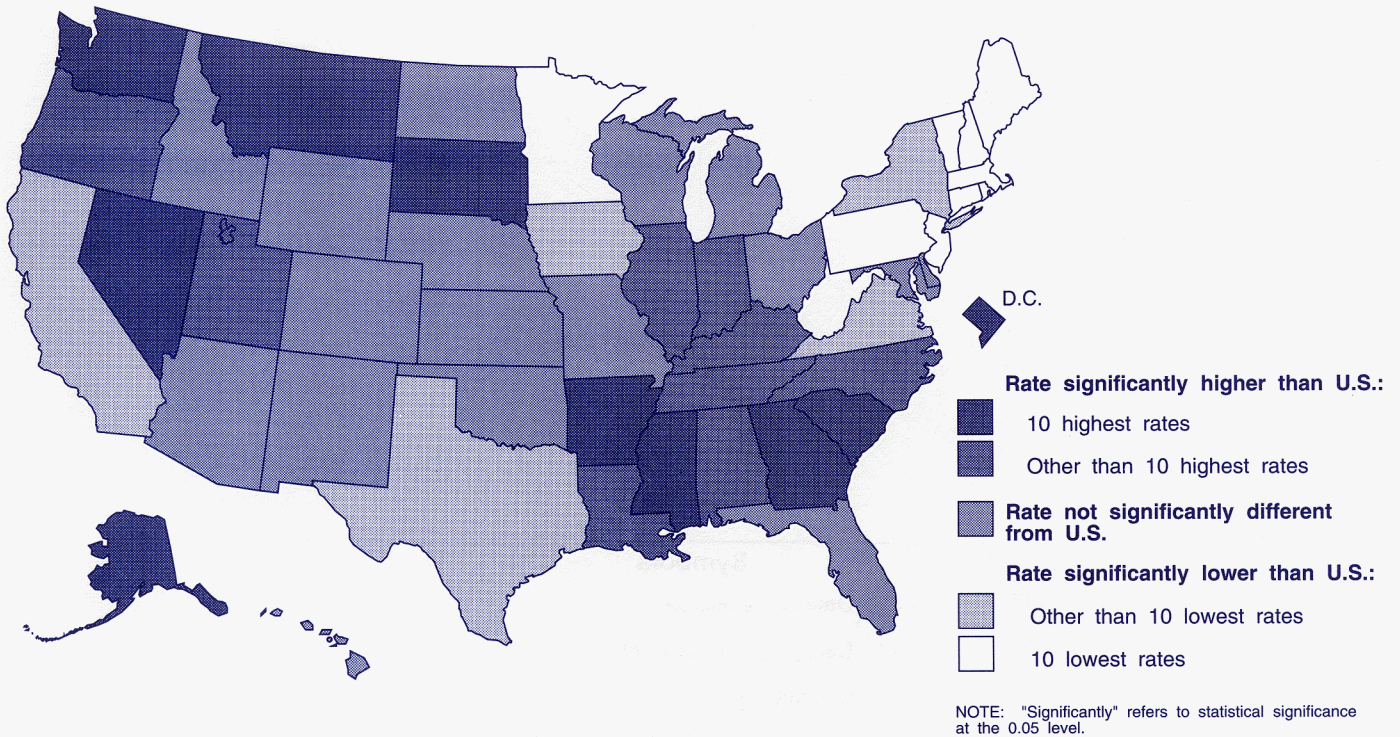
NOTE: "Significantly" refers to statistical significance at the 0.05 level.

Area	Infant deaths 3-year total (final)	Infant mortality rate (final)	95-percent confidence limits		Area	Infant deaths 3-year total (final)	Infant mortality rate (final)	95-percent confidence limits	
			Lower	Upper				Lower	Upper
United States	116,973	994.7	989.0	1,000.4	South Atlantic—Con.				
New England					West Virginia	625	940.8	867.0	1,014.6
Maine	404	††784.7	708.2	861.2	North Carolina	3,483	††1,188.0	1,148.5	1,227.5
New Hampshire	418	††800.7	723.9	877.5	South Carolina	2,083	††1,260.6	1,206.5	1,314.7
Vermont	183	††739.8	632.6	847.0	Georgia	3,995	††1,253.5	1,214.6	1,292.4
Massachusetts	2,010	††760.9	727.6	794.2	Florida	5,700	††1,031.9	1,005.1	1,058.7
Rhode Island	385	†894.5	805.1	983.9	East South Central				
Connecticut	1,270	††879.0	830.7	927.3	Kentucky	1,537	986.1	936.8	1,035.4
Middle Atlantic					Tennessee	2,346	††1,107.5	1,062.7	1,152.3
New York	9,017	††1,068.1	1,046.1	1,090.1	Alabama	2,218	††1,212.7	1,162.2	1,263.2
New Jersey	3,366	†953.6	921.4	985.8	Mississippi	1,582	††1,251.5	1,189.8	1,313.2
Pennsylvania	5,042	1,014.3	986.3	1,042.3	West South Central				
East North Central					Arkansas	1,096	1,038.8	977.3	1,100.3
Ohio	4,650	†964.1	936.4	991.8	Louisiana	2,518	††1,141.3	1,096.7	1,185.9
Indiana	2,544	†1,044.0	1,003.4	1,084.6	Oklahoma	1,292	††905.6	856.2	955.0
Illinois	6,420	††1,155.0	1,126.7	1,183.3	Texas	8,301	††909.2	889.6	928.8
Michigan	4,698	††1,095.6	1,064.3	1,126.9	Mountain				
Wisconsin	1,859	††869.7	830.2	909.2	Montana	356	999.6	895.8	1,103.4
West North Central					Idaho	457	961.0	872.9	1,049.1
Minnesota	1,563	††783.7	744.8	822.6	Wyoming	198	916.6	788.9	1,044.3
Iowa	997	††866.7	812.9	920.5	Colorado	1,498	†936.9	889.5	984.3
Missouri	2,313	1,007.8	966.7	1,048.9	New Mexico	724	††886.5	821.9	951.1
North Dakota	273	910.8	802.8	1,018.8	Arizona	1,858	†947.1	904.0	990.2
South Dakota	333	986.0	880.1	1,091.9	Utah	884	††826.6	772.1	881.1
Nebraska	611	††849.3	782.0	916.6	Nevada	471	††867.7	789.3	946.1
Kansas	1,014	††873.9	820.1	927.7	Pacific				
South Atlantic					Washington	2,027	††928.9	888.5	969.3
Delaware	366	††1,179.7	1,058.8	1,300.6	Oregon	1,114	†928.1	873.6	982.6
Maryland	2,494	††1,100.7	1,057.5	1,143.9	California	13,988	††870.7	856.3	885.1
District of Columbia	712	††2,188.3	2,027.6	2,349.0	Alaska	358	1,035.4	928.1	1,142.7
Virginia	2,859	1,020.1	982.7	1,057.5	Hawaii	463	††812.1	738.1	886.1

NOTE: Data are final. Rates are infant (under 1 year) deaths per 100,000 live births in specified group. 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 postneonatal deaths and average annual postneonatal mortality rates and 95-percent confidence limits: United States and each State, 1987-89

[Data are final by State of residence]



Area	Postneonatal deaths 3-year total (final)	Postneonatal mortality rate (final)	95-percent confidence limits		Area	Postneonatal deaths 3-year total (final)	Postneonatal mortality rate (final)	95-percent confidence limits	
			Lower	Upper				Lower	Upper
United States	42,488	361.3	357.9	364.7	South Atlantic—Con.				
New England					West Virginia	207	†311.6	269.2	354.0
Maine	142	††275.8	230.4	321.2	North Carolina	1,177	††401.5	378.6	424.4
New Hampshire	145	††277.8	232.6	323.0	South Carolina	711	††430.3	398.7	461.9
Vermont	66	††266.8	202.4	331.2	Georgia	1,363	††427.7	405.0	450.4
Massachusetts	613	††232.0	213.6	250.4	Florida	2,000	362.1	346.2	378.0
Rhode Island	98	††227.7	182.6	272.8	East South Central				
Connecticut	363	††251.2	225.4	277.0	Kentucky	629	††403.6	372.1	435.1
Middle Atlantic					Tennessee	871	††411.2	383.9	438.5
New York	2,854	††338.1	325.7	350.5	Alabama	745	††407.3	378.1	436.5
New Jersey	1,101	††311.9	293.5	330.3	Mississippi	590	††466.7	429.0	504.4
Pennsylvania	1,561	††314.0	298.4	329.6	West South Central				
East North Central					Arkansas	452	††428.4	388.9	467.9
Ohio	1,726	357.9	341.0	374.8	Louisiana	897	††406.6	380.0	433.2
Indiana	974	††399.7	374.6	424.8	Oklahoma	541	379.2	347.2	411.2
Illinois	2,248	††404.4	387.7	421.1	Texas	3,158	†345.9	333.8	358.0
Michigan	1,540	359.1	341.2	377.0	Mountain				
Wisconsin	749	350.4	325.3	375.5	Montana	182	††511.0	436.8	585.2
West North Central					Idaho	199	418.5	360.4	476.6
Minnesota	635	††318.4	293.6	343.2	Wyoming	85	393.5	309.8	477.2
Iowa	367	†319.0	286.4	351.6	Colorado	605	378.4	348.2	408.6
Missouri	886	386.0	360.6	411.4	New Mexico	274	335.5	295.8	375.2
North Dakota	121	403.7	331.8	475.6	Arizona	722	368.0	341.2	394.8
South Dakota	164	††485.6	411.3	559.9	Utah	442	††413.3	374.8	451.8
Nebraska	264	366.9	322.6	411.2	Nevada	243	††447.7	391.4	504.0
Kansas	424	365.4	330.6	400.2	Pacific				
South Atlantic					Washington	947	††434.0	406.4	461.6
Delaware	100	322.3	259.1	385.5	Oregon	509	††424.1	387.3	460.9
Maryland	809	357.1	332.5	381.7	California	5,500	††342.3	333.3	351.3
District of Columbia	192	††590.1	506.6	673.6	Alaska	187	††540.9	463.4	618.4
Virginia	929	††331.5	310.2	352.8	Hawaii	181	317.5	271.2	363.8

NOTE: Data are final. Rates are postneonatal (28 days-11 months) deaths per 100,000 live births in specified group. 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.

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 1. Provisional number of live births, marriages, deaths, infant deaths, and rates, by month: United States, January 1991–December 1992

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

Period	Live births				Marriages		Deaths		Infant deaths	
	Number	Rate per 1,000 population	Rate per 1,000 women 15–44 years		Number	Rate per 1,000 population	Number	Rate per 1,000 population	Number	Rate per 1,000 live births
			Unadjusted	Seasonally adjusted ¹						
1991:										
January	325,000	15.2	65.0	68.5	120,000	5.6	195,000	9.1	3,300	9.6
February	312,000	16.1	68.9	70.5	151,000	7.8	179,000	9.2	3,100	9.6
March	346,000	16.1	69.0	70.3	140,000	6.6	191,000	8.9	3,200	9.4
April	340,000	16.4	70.2	71.9	186,000	9.0	185,000	8.9	3,000	8.8
May	355,000	16.5	70.9	71.9	230,000	10.7	183,000	8.5	3,300	9.5
June	342,000	16.4	70.4	69.3	258,000	12.4	168,000	8.1	3,000	8.9
July	358,000	16.6	71.4	68.7	233,000	10.8	178,000	8.3	3,000	8.5
August	346,000	16.1	69.1	65.3	253,000	11.8	172,000	8.0	2,800	8.2
September	365,000	17.5	75.3	70.5	223,000	10.7	165,000	7.9	2,900	8.4
October	355,000	16.4	70.9	71.1	221,000	10.2	180,000	8.4	2,900	8.2
November	324,000	15.5	66.8	68.7	177,000	8.4	176,000	8.4	3,000	9.0
December	342,000	15.8	68.3	70.1	180,000	8.3	191,000	8.8	2,900	8.6
1992:										
January	334,000	15.5	66.9	70.5	112,000	5.2	207,000	9.6	3,200	9.4
February	304,000	15.0	65.1	66.7	166,000	8.2	185,000	9.1	2,900	9.1
March	360,000	16.6	72.0	73.4	145,000	6.7	195,000	9.0	3,200	9.2
April	330,000	15.8	68.4	70.1	175,000	8.4	181,000	8.6	2,800	8.5
May	361,000	16.7	72.3	73.3	231,000	10.7	175,000	8.1	2,800	8.0
June	333,000	15.9	69.0	67.9	256,000	12.2	172,000	8.2	2,700	8.2
July	352,000	16.2	70.6	67.9	228,000	10.5	180,000	8.3	2,800	8.1
August	350,000	16.1	70.2	66.4	242,000	11.2	172,000	7.9	2,700	7.9
September	357,000	16.9	73.8	69.1	227,000	10.8	169,000	8.0	2,700	8.0
October	345,000	15.9	69.2	69.4	221,000	10.2	181,000	8.3	2,900	8.2
November	332,000	15.7	68.8	70.8	174,000	8.3	182,000	8.6	2,700	8.1
December	325,000	14.9	65.1	66.8	184,000	8.4	186,000	8.5	2,900	8.8

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.

Table 2. Provisional number of live births and deaths: each division and State, December 1991 and 1992, and cumulative figures, 1990-92

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

Area	Live births					Deaths				
	December		January-December			December		January-December		
	1992	1991	1992	1991	1990	1992	1991	1992	1991	1990
New England	10,202	14,303	1141,941	189,547	202,889	9,655	9,592	116,218	112,411	115,615
Maine	2,338	1,669	15,623	16,581	16,908	1,039	1,127	10,900	10,952	11,160
New Hampshire	1,270	1,216	15,719	16,060	17,199	809	770	8,555	8,513	8,447
Vermont	720	465	7,625	7,712	8,282	443	339	4,732	4,541	4,601
Massachusetts	4,467	5,012	88,185	86,321	93,222	3,753	3,988	54,292	51,366	55,092
Rhode Island	1,407	1,181	14,789	14,591	14,963	904	845	9,444	9,294	9,380
Connecticut	---	4,760	---	48,282	52,315	2,707	2,523	28,295	27,745	26,935
Middle Atlantic	46,055	44,523	570,302	578,773	596,179	31,712	31,792	359,395	360,314	361,378
New York	21,870	20,912	285,568	292,400	301,209	14,013	14,040	164,869	166,795	168,004
New Jersey	11,754	11,553	119,528	117,789	124,082	6,601	6,241	71,201	69,983	70,446
Pennsylvania	12,431	12,058	165,206	168,584	170,888	11,098	11,511	123,325	123,536	122,928
East North Central	53,267	57,163	654,228	662,427	678,268	33,124	37,981	372,449	379,282	374,190
Ohio	12,348	14,290	169,067	158,638	164,619	8,667	9,998	99,601	99,104	99,049
Indiana	6,341	6,280	83,832	84,707	85,227	4,422	5,132	50,144	51,780	49,940
Illinois	17,244	18,819	192,483	193,987	196,107	8,971	10,470	101,590	104,677	103,478
Michigan	11,882	11,710	138,968	153,359	159,346	7,148	7,684	79,307	79,972	78,979
Wisconsin	5,452	6,064	69,878	71,736	72,969	3,916	4,697	41,807	43,749	42,744
West North Central	18,810	22,496	259,737	262,368	273,175	14,314	16,343	162,094	164,055	163,764
Minnesota	4,966	5,519	65,477	67,020	68,378	3,016	3,267	34,909	35,270	34,802
Iowa	3,196	3,343	38,120	36,011	39,127	2,492	2,187	27,002	25,906	28,220
Missouri	4,553	7,108	75,437	77,991	81,157	4,185	6,409	50,447	53,461	51,558
North Dakota	701	704	8,935	9,071	9,517	502	543	5,797	5,648	5,657
South Dakota	936	813	11,281	11,042	10,912	642	545	6,927	6,594	6,394
Nebraska	1,755	1,782	23,003	23,933	24,010	1,300	1,367	14,852	14,665	14,785
Kansas	2,703	3,227	37,484	37,300	40,074	2,177	2,025	22,160	22,511	22,348
South Atlantic	57,099	62,446	681,213	689,068	704,348	134,949	36,049	1397,167	396,655	394,868
Delaware	886	886	10,902	11,175	11,282	554	564	5,937	5,880	5,803
Maryland	6,779	10,293	76,173	84,452	83,664	3,679	4,307	37,806	37,982	39,132
District of Columbia	790	650	10,052	9,971	10,928	---	534	---	6,961	7,518
Virginia	7,348	7,479	98,593	96,610	99,942	4,349	4,650	49,541	49,151	48,374
West Virginia	1,544	1,475	22,123	22,195	22,202	1,718	1,667	20,107	19,801	19,502
North Carolina	9,651	8,876	103,047	102,442	104,715	5,640	5,492	59,478	53,909	57,532
South Carolina	4,698	5,440	56,635	57,742	59,075	2,556	2,965	30,609	23,983	29,891
Georgia	8,275	9,789	111,397	110,024	112,899	4,899	4,472	53,288	52,708	52,617
Florida	17,128	17,558	192,291	194,457	199,641	11,554	11,398	140,401	135,280	134,499
East South Central	19,952	19,135	234,462	232,052	242,587	12,710	13,091	147,410	144,284	147,315
Kentucky	4,343	4,420	53,906	54,913	57,791	2,995	3,325	35,341	35,281	35,544
Tennessee	6,698	6,873	74,048	73,104	72,747	3,892	4,064	47,149	45,351	45,228
Alabama	4,847	4,446	63,021	60,513	68,200	3,579	3,439	39,630	38,027	41,289
Mississippi	4,064	3,396	43,487	43,522	43,849	2,244	2,263	25,290	25,625	25,254
West South Central	37,639	41,899	479,421	482,024	480,815	17,570	17,743	224,221	221,795	218,824
Arkansas	2,692	2,810	34,967	34,588	36,109	2,114	2,252	25,202	24,230	24,922
Louisiana	4,850	5,571	71,743	74,562	71,704	1,975	3,569	37,446	38,290	36,832
Oklahoma	3,823	3,637	47,850	47,312	47,250	2,919	2,639	30,626	30,349	30,314
Texas ²	26,274	29,881	324,861	325,562	325,752	10,562	9,283	130,947	128,926	126,756
Mountain	18,126	20,102	245,352	243,405	243,123	8,907	8,298	103,301	99,248	97,162
Montana	879	857	11,551	11,544	11,758	615	572	7,151	7,071	6,964
Idaho	1,367	1,235	17,475	17,233	16,594	722	662	8,063	7,789	7,603
Wyoming	542	597	6,823	6,801	6,984	315	295	3,333	3,167	3,248
Colorado	4,239	3,873	54,586	53,968	52,913	2,225	1,915	22,528	22,334	21,545
New Mexico	2,257	2,179	28,463	28,160	28,654	814	730	11,561	11,116	10,934
Arizona	4,915	5,371	66,698	67,656	68,749	2,447	2,453	30,659	29,329	28,653
Utah	2,751	2,842	37,411	35,070	36,216	904	815	9,904	9,199	9,325
Nevada	1,176	3,148	22,345	22,973	21,255	865	856	10,102	9,243	8,890
Pacific	150,130	62,133	1674,164	759,966	774,327	22,806	22,239	287,495	290,482	286,425
Washington	---	5,266	---	75,734	78,106	3,253	3,509	37,272	37,682	36,525
Oregon	2,996	3,725	41,606	42,807	44,408	2,772	2,420	25,862	25,205	25,725
California ³	44,535	50,244	600,942	610,166	619,753	16,044	15,591	215,227	218,735	215,236
Alaska	1,032	1,061	11,706	11,245	11,647	161	161	2,225	2,145	2,198
Hawaii	1,567	1,837	19,910	20,014	20,413	576	558	6,909	6,715	6,741

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

²Beginning with data for February 1991, figures include adjustments for varying length of reporting periods; see Technical notes.

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

NOTE: 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, December 1991 and 1992, and cumulative figures, 1990-92

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

Area	Marriages					Divorces				
	December		January-December			December		January-December		
	1992	1991	1992	1991	1990	1992	1991	1992	1991	1990
New England	16,156	9,513	175,454	102,752	112,240	3,272	3,189	44,674	43,477	44,006
Maine	871	1,509	11,215	11,077	11,773	522	529	5,877	5,816	5,275
New Hampshire	628	667	8,832	9,805	10,582	466	368	5,520	4,927	5,279
Vermont	492	288	5,901	5,998	6,144	258	179	2,955	2,716	2,616
Massachusetts	3,779	5,326	42,219	43,429	47,822	1,221	464	16,650	13,547	16,781
Rhode Island	386	379	7,287	7,496	8,113	290	229	3,591	3,314	3,754
Connecticut	---	1,344	---	24,947	27,806	515	1,420	10,081	13,157	10,301
Middle Atlantic	21,152	23,551	292,003	297,201	314,070	10,757	10,190	122,307	121,378	121,598
New York ²	11,775	11,768	156,252	160,086	169,264	5,101	4,004	57,038	55,610	57,863
New Jersey	3,739	3,981	55,327	55,833	58,012	2,135	2,006	25,405	25,686	23,612
Pennsylvania	5,638	7,802	80,424	81,282	86,794	3,521	4,180	39,864	40,082	40,123
East North Central	23,385	25,763	343,866	351,411	364,501	14,765	14,899	1154,915	1158,321	1153,299
Ohio	6,225	7,691	92,156	97,364	95,827	5,366	5,391	53,535	54,265	50,989
Indiana	3,674	3,622	50,372	50,649	54,295	---	---	---	---	---
Illinois	7,039	7,988	93,500	92,086	97,082	4,479	4,096	43,612	45,824	44,259
Michigan	4,745	4,618	70,700	73,593	76,137	3,470	3,691	39,424	39,770	40,219
Wisconsin	1,702	1,844	37,138	37,719	41,160	1,450	1,661	18,344	18,462	17,832
West North Central	9,783	10,542	146,733	149,929	156,134	6,698	8,479	77,899	80,132	76,917
Minnesota	2,014	1,924	32,299	32,848	33,695	1,783	1,990	16,295	15,968	15,421
Iowa	1,681	1,541	22,088	23,794	24,813	944	1,053	10,956	12,212	11,060
Missouri	2,969	3,833	45,428	46,393	49,251	1,992	2,517	25,653	26,620	26,351
North Dakota	353	356	4,809	4,719	4,779	183	174	2,305	2,167	2,326
South Dakota	556	505	7,559	7,406	7,727	273	263	2,926	2,772	2,648
Nebraska	843	925	12,847	12,695	12,484	540	613	6,566	6,496	6,488
Kansas	1,367	1,458	21,703	22,074	23,385	983	1,198	13,198	13,897	12,623
South Atlantic	37,608	34,813	438,125	445,786	455,406	21,267	19,608	238,886	233,338	226,074
Delaware	309	324	5,059	5,340	5,628	307	320	3,400	3,007	2,985
Maryland	4,067	3,405	44,083	44,399	46,081	1,582	1,830	17,570	16,576	16,055
District of Columbia	1,480	646	3,973	5,031	4,716	248	133	2,655	2,290	2,686
Virginia	5,779	5,662	69,694	68,771	71,257	3,082	2,584	29,655	28,160	27,266
West Virginia	779	1,142	12,264	12,585	13,166	809	853	9,867	10,148	9,658
North Carolina	3,789	3,842	48,202	48,966	52,070	3,124	2,909	36,159	33,763	34,017
South Carolina	4,268	4,311	53,304	53,289	55,837	1,465	1,299	15,920	14,677	16,080
Georgia	5,430	3,877	63,417	70,517	64,359	3,400	2,337	39,586	41,975	35,672
Florida	11,707	11,604	138,129	136,888	142,292	7,250	7,343	84,074	82,742	81,655
East South Central	16,803	15,599	184,086	182,085	185,473	8,916	7,742	99,766	94,720	93,809
Kentucky	5,064	3,506	49,922	47,280	51,291	2,632	1,600	24,185	22,299	21,790
Tennessee	6,101	5,687	70,905	68,790	66,597	3,157	2,653	33,939	32,482	32,295
Alabama	3,469	4,134	40,486	42,657	43,263	2,062	2,554	27,009	27,069	25,280
Mississippi	2,169	2,272	22,773	23,358	24,322	1,065	935	14,633	12,870	14,444
West South Central	23,636	23,711	287,492	291,917	292,857	19,899	18,687	1140,812	1148,809	1136,425
Arkansas	3,340	3,192	37,326	38,052	35,703	1,496	1,686	18,405	18,859	16,765
Louisiana	2,491	3,718	35,386	36,762	41,161	---	---	---	---	---
Oklahoma	2,853	2,963	31,783	32,602	33,162	1,734	1,834	23,447	23,596	24,919
Texas ³	14,952	13,838	182,997	184,501	182,831	6,669	5,167	98,960	106,354	94,741
Mountain	16,382	18,793	210,046	243,529	250,907	15,013	16,572	159,252	175,209	87,031
Montana	566	500	7,221	7,175	7,025	365	380	4,258	4,385	4,093
Idaho	909	995	14,457	14,406	14,977	423	611	6,700	6,544	6,634
Wyoming	504	457	4,900	4,825	4,843	291	274	3,227	3,239	3,095
Colorado	---	2,595	---	33,619	31,512	---	1,702	---	19,105	18,385
New Mexico ^{4,5}	1,007	1,062	12,984	13,056	13,175	825	679	9,737	8,749	7,652
Arizona ²	3,735	3,779	36,366	37,395	37,007	2,209	2,175	25,645	24,780	25,096
Utah	1,443	1,249	19,895	18,788	19,012	900	751	9,685	8,407	8,786
Nevada	8,218	8,156	114,223	114,265	123,356	---	---	---	---	13,290
Pacific	14,615	16,942	147,677	197,846	334,420	12,462	14,310	124,595	153,269	180,713
Washington	---	2,891	---	49,873	48,642	---	2,604	---	29,465	28,773
Oregon	2,956	2,290	24,299	24,266	25,211	1,787	895	15,905	15,283	15,884
California	---	---	---	---	236,693	---	---	---	---	127,967
Alaska	475	461	5,735	6,038	5,730	332	382	3,678	3,387	2,921
Hawaii	1,184	1,300	17,643	17,669	18,144	343	429	5,012	5,134	5,168

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

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

³Beginning with data for February 1991, figures 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.

NOTE: 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 December 1991 and 1992

[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 December			
	1992		1991	
	Number	Rate	Number	Rate
New England	1,944	16.7	1,324	7.0
Maine	89	5.7	105	6.3
New Hampshire	85	5.4	105	6.5
Vermont	52	6.8	47	6.1
Massachusetts	601	6.8	591	6.8
Rhode Island	117	7.9	114	7.8
Connecticut	---	---	362	7.5
Middle Atlantic	4,877	8.6	5,229	9.0
New York	2,419	8.5	2,629	9.0
New Jersey	1,030	8.6	1,013	8.6
Pennsylvania	1,428	8.6	1,587	9.4
East North Central	6,147	9.4	6,405	9.7
Ohio	1,474	8.7	1,500	9.5
Indiana	796	9.5	794	9.4
Illinois	1,922	10.0	2,006	10.3
Michigan	1,459	10.5	1,521	9.9
Wisconsin	496	7.1	584	8.1
West North Central	2,084	8.0	2,279	8.7
Minnesota	458	7.0	491	7.3
Iowa	296	7.8	279	7.7
Missouri	680	9.0	799	10.2
North Dakota	70	7.8	82	9.0
South Dakota	113	10.0	99	9.0
Nebraska	154	6.7	177	7.4
Kansas	313	8.4	352	9.4
South Atlantic	14,858	19.8	6,988	10.1
Delaware	106	9.7	142	12.7
Maryland	---	---	684	8.1
District of Columbia	---	---	199	20.0
Virginia	---	---	938	9.7
West Virginia	202	9.1	199	9.0
North Carolina	1,052	10.2	1,123	11.0
South Carolina	592	10.5	617	10.7
Georgia	1,163	10.4	1,364	12.4
Florida	1,743	9.1	1,722	8.9
East South Central	2,362	10.1	2,332	10.0
Kentucky	469	8.7	452	8.2
Tennessee	705	9.5	709	9.7
Alabama	683	10.8	681	11.3
Mississippi	505	11.6	490	11.3
West South Central	3,973	8.3	4,054	8.4
Arkansas	342	9.8	361	10.4
Louisiana	687	9.6	716	9.6
Oklahoma	438	9.2	467	9.9
Texas ²	2,506	7.7	2,510	7.7
Mountain	1,880	7.7	1,937	8.0
Montana	98	8.5	88	7.6
Idaho	144	8.2	150	8.7
Wyoming	60	8.8	49	7.2
Colorado	396	7.3	446	8.3
New Mexico	235	8.3	239	8.5
Arizona	566	8.5	588	8.7
Utah	233	6.2	210	6.0
Nevada	148	6.6	167	7.3
Pacific	14,706	17.0	5,883	7.7
Washington	---	---	564	7.4
Oregon	306	7.4	326	7.6
California ³	4,168	6.9	4,761	7.8
Alaska	100	8.5	101	9.0
Hawaii	132	6.6	131	6.5

¹Excludes figures for State(s) shown below as not available.²Beginning with data for February 1991, figures include adjustments for varying length of reporting periods; see Technical notes.³Figures for all years include adjustments for varying length of reporting periods; see Technical notes.

NOTE: 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, November 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with November 1991 and 1992

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population in specified group. 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	November				January–November				12 months ending with November			
	1992		1991		1992		1991		1992		1991	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All races, both sexes¹												
All ages	182,000	861.2	176,000	842.2	1,997,000	852.1	1,973,000	851.6	2,189,000	854.6	2,161,000	853.2
Under 1 year					31,500	² 836.6	33,500	² 895.5	34,500	² 842.2	36,700	² 903.1
1–4 years	3,890	83.4	4,160	90.3	6,500	45.7	6,700	47.9	7,040	45.3	7,150	46.8
5–14 years					7,690	22.8	7,990	24.1	8,410	22.8	8,660	23.9
15–24 years	3,190	110.3	2,980	102.4	32,580	100.8	34,380	105.9	35,640	101.0	37,130	104.7
25–34 years	4,740	135.7	4,680	131.7	53,050	135.2	54,750	137.9	57,830	134.9	59,970	138.1
35–44 years	7,610	230.6	7,330	225.3	85,380	233.6	80,130	223.5	93,160	233.4	87,650	223.3
45–54 years	10,530	456.4	10,140	463.0	113,880	451.6	109,250	457.0	124,410	451.0	119,400	458.3
55–64 years	19,840	1,140.5	19,670	1,123.9	223,110	1,147.5	226,000	1,157.7	245,120	1,154.4	247,320	1,159.5
65–74 years	40,200	2,598.6	37,880	2,462.8	437,600	2,542.3	437,260	2,564.9	479,450	2,549.7	478,310	2,567.1
75–84 years	51,460	5,975.7	49,180	5,823.4	561,440	5,897.3	550,150	5,909.1	615,900	5,922.7	602,100	5,917.4
85 years and over	40,190	13,933.4	40,090	14,529.7	443,970	14,087.0	432,450	14,375.0	486,440	14,132.5	473,210	14,396.4
Not stated	40	...	90	...	720	...	850	...	860	...	950	...
Age-adjusted rate ³ . . . . .	...	505.8	...	496.4	...	502.0	...	506.7	...	503.4	...	507.1
All races, male¹												
All ages	93,660	909.3	91,850	899.8	1,031,100	901.2	1,023,150	905.3	1,131,330	905.2	1,118,910	905.8
Under 1 year					17,170	² 891.7	19,320	² 1,007.8	18,700	² 893.9	21,100	² 1,013.4
1–4 years	2,100	88.0	2,340	99.2	3,750	51.6	3,560	49.8	4,050	50.9	3,770	48.2
5–14 years					4,870	28.2	4,890	28.7	5,280	28.0	5,290	28.4
15–24 years	2,410	164.2	2,280	154.8	24,870	151.7	26,090	158.8	27,090	151.4	28,230	157.3
25–34 years	3,420	195.3	3,300	185.5	39,100	198.9	39,990	201.2	42,580	198.2	43,870	201.7
35–44 years	5,210	318.3	4,970	308.5	58,910	324.9	55,210	311.2	64,420	325.6	60,250	310.2
45–54 years	6,560	583.6	6,570	616.4	72,090	586.9	69,130	594.3	78,990	587.9	75,390	594.8
55–64 years	11,570	1,400.3	11,600	1,397.4	135,190	1,464.4	138,660	1,498.6	148,550	1,473.4	151,520	1,498.7
65–74 years	23,350	3,367.7	22,510	3,272.4	250,990	3,256.7	251,380	3,299.7	275,280	3,269.4	275,170	3,305.3
75–84 years	25,630	7,709.2	24,700	7,631.2	276,960	7,561.8	271,090	7,619.0	304,380	7,611.4	296,920	7,636.8
85 years and over	13,360	16,463.8	13,540	17,562.5	146,710	16,603.3	143,330	17,070.4	161,390	16,724.4	156,850	17,104.7
Not stated	40	...	50	...	500	...	490	...	610	...	560	...
Age-adjusted rate ³ . . . . .	...	648.9	...	647.0	...	648.1	...	657.6	...	650.6	...	658.0
All races, female¹												
All ages	88,030	815.8	84,350	787.5	966,320	805.6	950,300	800.5	1,057,360	806.9	1,039,690	801.4
Under 1 year					14,330	² 778.9	14,210	² 777.6	15,730	² 789.3	15,630	² 787.0
1–4 years	1,780	78.2	1,830	81.4	2,740	39.6	3,150	46.2	2,980	39.3	3,380	45.3
5–14 years					2,830	17.3	3,100	19.1	3,130	17.4	3,370	19.0
15–24 years	780	54.8	700	48.8	7,720	48.4	8,290	51.7	8,550	49.1	8,900	50.8
25–34 years	1,310	75.2	1,380	77.8	13,950	71.3	14,760	74.4	15,250	71.3	16,100	74.2
35–44 years	2,400	144.3	2,360	143.7	26,470	143.6	24,910	137.7	28,740	142.8	27,410	138.3
45–54 years	3,970	335.5	3,580	318.5	41,780	322.9	40,120	327.0	45,430	321.1	44,010	329.0
55–64 years	8,260	904.3	8,070	877.2	87,920	860.9	87,340	850.7	96,570	865.9	95,800	854.0
65–74 years	16,850	1,974.0	15,370	1,808.2	186,610	1,963.2	185,880	1,971.6	204,170	1,965.8	203,150	1,971.2
75–84 years	25,840	4,886.8	24,480	4,700.0	284,480	4,856.8	279,070	4,851.5	311,520	4,868.3	305,180	4,854.9
85 years and over	26,840	12,947.7	26,540	13,354.1	297,270	13,105.3	289,120	13,331.4	325,040	13,117.0	316,370	13,348.9
Not stated	—	...	40	...	220	...	350	...	250	...	390	...
Age-adjusted rate ³ . . . . .	...	387.5	...	373.4	...	380.4	...	382.0	...	381.1	...	382.5
White												
All ages	156,740	890.6	152,290	870.0	1,718,190	877.5	1,704,240	877.9	1,882,300	880.0	1,865,470	879.2
Under 1 year					20,080	² 679.0	21,880	² 738.9	22,020	² 685.8	24,310	² 756.6
1–4 years	2,510	67.9	2,810	76.6	4,530	40.2	4,600	41.4	4,900	39.8	4,920	40.5
5–14 years					5,690	21.2	5,810	21.9	6,200	21.1	6,350	21.9
15–24 years	2,320	99.8	2,250	95.9	22,840	87.8	25,030	95.4	25,010	88.0	26,960	94.1
25–34 years	3,290	113.7	3,290	111.4	37,410	114.9	39,160	118.5	40,630	114.3	42,760	118.3
35–44 years	5,610	201.1	5,350	193.8	62,080	200.6	58,570	192.2	67,740	200.5	64,150	192.3
45–54 years	8,360	421.0	8,090	429.5	88,860	409.4	85,640	416.6	96,860	407.9	93,720	418.4
55–64 years	16,230	1,079.3	16,030	1,055.9	182,880	1,086.3	186,680	1,100.9	200,960	1,093.1	204,700	1,104.8
65–74 years	35,210	2,571.8	32,710	2,396.4	380,460	2,494.5	380,270	2,510.8	416,510	2,499.6	415,990	2,512.9
75–84 years	46,280	5,955.2	44,650	5,853.9	504,930	5,875.7	497,000	5,908.2	553,830	5,900.0	543,990	5,918.1
85 years and over	36,930	14,168.1	37,050	14,842.8	407,920	14,316.2	398,870	14,647.8	447,030	14,364.7	436,820	14,683.0
Not stated	20	...	70	...	510	...	710	...	610	...	790	...
Age-adjusted rate ³ . . . . .	...	482.9	...	473.4	...	476.7	...	482.9	...	477.9	...	483.8

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, November 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with November 1991 and 1992—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population in specified group. 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	November				January–November				12 months ending with November			
	1992		1991		1992		1991		1992		1991	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
White male												
All ages	80,190	929.4	78,800	919.0	878,490	915.5	875,340	920.9	963,540	919.2	957,800	922.0
Under 1 year					11,050	² 729.1	12,710	² 837.9	12,120	² 735.9	14,090	² 855.0
1–4 years	1,430	75.4	1,610	85.6	2,680	46.6	2,510	44.0	2,880	45.6	2,660	42.7
5–14 years					3,620	26.2	3,570	26.2	3,920	26.0	3,900	26.2	3,900	26.2
15–24 years	1,740	147.2	1,700	142.7	17,280	130.5	18,830	141.4	18,880	130.7	20,290	139.5
25–34 years	2,450	167.4	2,240	150.1	28,170	171.2	28,830	172.7	30,490	169.6	31,530	172.6
35–44 years	4,000	285.8	3,750	271.1	43,890	282.9	40,910	268.2	47,980	283.2	44,610	267.1
45–54 years	5,210	532.6	5,260	567.5	56,670	530.4	54,560	539.5	61,900	529.4	59,470	539.9
55–64 years	9,620	1,336.6	9,480	1,306.7	112,230	1,393.7	115,510	1,426.7	123,290	1,401.8	126,520	1,430.1
65–74 years	20,630	3,349.1	19,560	3,191.8	219,500	3,201.6	220,240	3,241.9	240,550	3,212.0	240,980	3,245.5
75–84 years	23,060	7,682.5	22,510	7,701.7	249,220	7,536.9	245,720	7,648.0	273,940	7,586.3	269,200	7,667.3
85 years and over	12,030	16,621.3	12,650	18,366.1	133,820	16,973.9	131,550	17,538.1	147,160	17,091.8	144,110	17,595.8
Not stated	20	...	40	...	350	...	400	...	440	...	440	...
Age-adjusted rate ³ . . . . .	...	622.1	...	617.5	...	616.4	...	627.2	...	618.4	...	627.9
White female												
All ages	76,550	853.2	73,490	822.9	839,710	841.0	828,900	836.5	918,750	842.3	907,670	838.2
Under 1 year					9,030	² 626.2	9,170	² 636.7	9,900	² 633.0	10,220	² 653.0
1–4 years	1,080	60.0	1,210	67.7	1,850	33.7	2,090	38.3	2,020	33.7	2,260	38.1
5–14 years					2,070	16.0	2,240	17.3	2,280	16.0	2,450	17.4
15–24 years	570	49.9	540	46.7	5,560	43.5	6,200	48.0	6,140	44.0	6,680	47.3
25–34 years	830	58.1	1,050	71.9	9,230	57.4	10,330	63.1	10,140	57.7	11,240	62.9
35–44 years	1,620	116.6	1,600	116.2	18,190	118.0	17,670	116.2	19,760	117.3	19,540	117.3
45–54 years	3,150	312.7	2,830	295.8	32,200	292.2	31,080	297.6	34,960	290.1	34,240	300.9
55–64 years	6,600	841.8	6,550	826.3	70,650	804.6	71,170	803.3	77,660	809.9	78,180	807.6
65–74 years	14,580	1,936.0	13,150	1,748.3	160,970	1,917.2	160,030	1,916.0	175,970	1,918.1	175,010	1,917.1
75–84 years	23,220	4,868.3	22,130	4,703.8	255,710	4,836.8	251,290	4,833.6	279,880	4,845.6	274,790	4,837.0
85 years and over	24,900	13,225.1	24,400	13,500.1	274,100	13,300.0	267,320	13,548.6	299,860	13,321.2	292,710	13,576.5
Not stated	—	...	30	...	160	...	310	...	170	...	350	...
Age-adjusted rate ³ . . . . .	...	367.0	...	356.1	...	360.5	...	363.8	...	361.1	...	365.0
Black												
All ages	22,220	834.6	21,520	820.9	247,940	840.6	240,700	831.4	272,110	844.6	262,590	829.7
Under 1 year					10,250	² 1,625.4	10,660	² 1,732.1	11,130	² 1,622.4	11,410	² 1,703.0
1–4 years	1,200	161.6	1,220	167.8	1,660	72.4	1,860	84.5	1,790	71.9	1,970	81.8
5–14 years					1,690	31.9	1,850	35.4	1,880	32.5	1,970	34.7
15–24 years	770	175.9	690	158.1	8,470	173.5	8,360	171.8	9,250	173.8	9,130	172.1
25–34 years	1,330	290.0	1,220	264.2	14,080	274.3	13,980	272.1	15,440	275.6	15,420	274.2
35–44 years	1,840	484.8	1,800	490.7	20,980	503.1	19,610	488.6	22,880	501.6	21,420	488.5
45–54 years	1,960	826.3	1,820	799.1	22,290	856.1	21,270	850.0	24,570	864.2	23,180	850.3
55–64 years	3,260	1,801.3	3,290	1,829.4	35,950	1,787.5	35,460	1,778.1	39,340	1,791.4	38,530	1,768.2
65–74 years	4,450	3,208.6	4,730	3,473.0	50,750	3,307.3	50,940	3,391.3	55,920	3,336.5	55,860	3,401.9
75–84 years	4,560	7,024.2	4,080	6,380.5	49,880	6,935.1	47,080	6,671.6	54,910	6,986.0	51,500	6,662.4
85 years and over	2,840	12,691.6	2,650	12,306.0	31,730	12,944.1	29,520	12,583.4	34,750	12,966.4	32,060	12,474.7
Not stated	20	...	10	...	200	...	110	...	240	...	130	...
Age-adjusted rate ³ . . . . .	...	734.8	...	729.4	...	741.5	...	738.8	...	745.2	...	737.8
Black male												
All ages	11,860	936.4	11,730	941.8	134,710	960.6	131,150	954.2	148,170	967.4	143,320	953.8
Under 1 year					5,530	² 1,732.3	6,060	² 1,940.6	5,950	² 1,709.8	6,440	² 1,894.1
1–4 years	600	158.7	650	175.6	890	75.9	940	83.0	960	75.7	990	80.8
5–14 years					1,060	38.9	1,160	43.5	1,160	39.4	1,220	42.2
15–24 years	590	271.0	530	245.1	6,630	273.8	6,510	271.0	7,200	272.3	7,170	273.1
25–34 years	870	400.2	920	421.1	9,830	404.2	9,920	408.4	10,830	408.2	10,990	413.6
35–44 years	1,150	659.9	1,110	660.7	13,620	711.3	13,020	710.2	14,930	713.7	14,260	710.9
45–54 years	1,200	1,134.0	1,150	1,132.0	13,690	1,180.4	13,170	1,180.0	15,190	1,197.0	14,410	1,185.0
55–64 years	1,700	2,071.9	1,950	2,389.2	20,510	2,249.6	21,010	2,321.1	22,500	2,259.0	22,730	2,298.3
65–74 years	2,450	4,061.1	2,720	4,609.1	27,980	4,199.1	27,540	4,240.0	30,860	4,244.8	30,360	4,276.1
75–84 years	2,220	9,088.6	1,930	8,041.7	24,020	8,880.5	21,870	8,251.6	26,410	8,952.5	23,930	8,251.7
85 years and over	1,050	16,012.5	740	11,542.7	10,820	14,948.6	9,860	14,086.8	12,010	15,202.5	10,720	13,922.1
Not stated	20	...	10	...	140	...	90	...	160	...	110	...
Age-adjusted rate ³ . . . . .	...	937.7	...	962.0	...	970.5	...	969.4	...	977.8	...	969.7

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, November 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with November 1991 and 1992—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population in specified group. 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	November				January–November				12 months ending with November			
	1992		1991		1992		1991		1992		1991	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Black female												
All ages	10,360	742.2	9,790	711.4	113,220	731.9	109,550	720.3	123,940	733.3	119,270	717.5
Under 1 year					4,720	² 1,522.0	4,590	² 1,517.4	5,180	² 1,532.5	4,970	² 1,506.1
1–4 years	} 600	164.6	570	159.6	780	68.9	920	84.2	830	67.9	980	82.8
5–14 years					630	24.2	700	27.4	720	25.4	750	26.9
15–24 years					180	81.8	160	72.6	1,830	74.6	1,850	74.6
25–34 years	460	190.7	300	123.3	4,250	157.4	4,050	150.1	4,600	155.9	4,430	149.4
35–44 years	690	336.2	690	347.0	7,360	326.2	6,590	302.8	7,950	322.0	7,170	301.4
45–54 years	760	578.4	670	531.1	8,600	596.2	8,100	585.7	9,380	595.9	8,770	580.8
55–64 years	1,550	1,566.7	1,330	1,354.1	15,440	1,403.9	14,450	1,325.9	16,840	1,403.3	15,810	1,328.6
65–74 years	1,990	2,539.5	2,010	2,604.4	22,770	2,618.9	23,390	2,742.5	25,060	2,640.7	25,510	2,737.1
75–84 years	2,340	5,778.9	2,150	5,382.4	25,860	5,759.2	25,220	5,714.0	28,510	5,806.5	27,570	5,708.1
85 years and over	1,780	11,251.8	1,900	12,563.4	20,910	12,099.5	19,650	11,932.0	22,730	12,026.5	21,340	11,855.6
Not stated	—	...	—	...	60	...	20	...	80	...	20	...
Age-adjusted rate ³ . . . . .	...	574.3	...	540.9	...	559.4	...	553.6	...	560.8	...	551.7

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 8 for infant mortality rates.

³For method of computation, see Technical notes.

NOTE: 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. Data include adjustments for the District of Columbia, which is not included in the sample for November 1992, and for Maryland, which is not included in the samples for October and November 1992.

Table 6. Provisional number of deaths and death rates for 72 selected causes and Human immunodeficiency virus infection: United States, November 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with November 1991 and 1992

[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)	November		January–November				12 months ending with November					
	1992		1991		1992		1991		1992		1991	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All causes	182,000	861.2	176,000	842.2	1,997,000	852.1	1,973,000	851.6	2,189,000	854.6	2,161,000	853.2
Shigellosis and amebiasis	—	*	—	*	—	*	20	*	—	*	20	*
Certain other intestinal infections	60	*	70	*	700	0.3	610	0.3	750	0.3	640	0.3
Tuberculosis	190	0.9	100	*	1,280	0.5	1,490	0.6	1,420	0.6	1,600	0.6
Tuberculosis of respiratory system	170	0.8	70	*	1,010	0.4	1,110	0.5	1,110	0.4	1,180	0.5
Other tuberculosis	20	*	30	*	270	0.1	380	0.2	310	0.1	410	0.2
Whooping cough	—	*	—	*	10	*	—	*	10	*	—	*
Streptococcal sore throat, scarlatina, and erysipelas	—	*	—	*	—	*	10	*	—	*	10	*
Meningococcal infection	30	*	10	*	220	0.1	250	0.1	230	0.1	280	0.1
Septicemia	1,470	7.0	1,590	7.6	18,190	7.8	17,580	7.6	20,030	7.8	19,260	7.6
Acute poliomyelitis	—	*	—	*	—	*	10	*	—	*	10	*
Measles	—	*	—	*	—	*	20	*	—	*	20	*
Viral hepatitis	210	1.0	90	*	1,690	0.7	1,690	0.7	1,920	0.7	1,790	0.7
Syphilis	—	*	10	*	70	*	130	0.0	70	*	140	0.1
All other infectious and parasitic diseases ¹	3,150	14.9	2,690	12.8	35,250	15.0	31,920	13.8	38,340	15.0	34,760	13.7
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	44,010	208.7	42,750	204.4	478,150	204.0	472,680	204.0	521,710	203.8	515,180	203.4
Malignant neoplasms of lip, oral cavity, and pharynx	650	3.1	560	2.7	7,270	3.1	6,860	3.0	7,940	3.1	7,400	2.9
Malignant neoplasms of digestive organs and peritoneum	10,010	47.5	9,980	47.7	111,570	47.6	109,910	47.4	121,820	47.6	120,380	47.5
Malignant neoplasms of respiratory and intrathoracic organs	13,000	61.6	12,660	60.5	139,130	59.4	135,600	58.5	152,070	59.4	148,040	58.5
Malignant neoplasm of breast	3,860	18.3	3,320	15.9	40,750	17.4	40,910	17.7	44,220	17.3	44,560	17.6
Malignant neoplasms of genital organs	4,970	23.6	4,760	22.8	54,230	23.1	54,480	23.5	59,020	23.1	59,250	23.4
Malignant neoplasms of urinary organs	1,980	9.4	1,600	7.6	20,570	8.8	19,100	8.2	22,380	8.7	20,900	8.3
Malignant neoplasms of all other and unspecified sites	5,350	25.4	5,070	24.2	57,720	24.6	58,880	25.4	63,160	24.7	63,920	25.2
Leukemia	1,760	8.3	1,910	9.1	17,750	7.6	18,140	7.8	19,200	7.5	19,530	7.7
Other malignant neoplasms of lymphatic and hematopoietic tissues	2,430	11.5	2,890	13.8	29,160	12.4	28,790	12.4	31,900	12.5	31,220	12.3
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature	660	3.1	620	3.0	6,820	2.9	7,120	3.1	7,580	3.0	7,710	3.0
Diabetes mellitus	3,860	18.3	4,300	20.5	46,110	19.7	45,230	19.5	50,750	19.8	49,650	19.6
Nutritional deficiencies	290	1.4	320	1.5	2,820	1.2	2,850	1.2	3,130	1.2	3,050	1.2
Anemias	330	1.6	290	1.4	3,610	1.5	3,740	1.6	4,010	1.6	4,190	1.7
Meningitis	50	*	90	*	670	0.3	670	0.3	730	0.3	740	0.3
Major cardiovascular diseases	76,720	363.7	73,910	353.3	835,900	356.7	827,950	357.3	916,730	358.1	908,100	358.6
Diseases of heart	60,100	284.9	57,790	276.3	658,730	281.1	651,510	281.2	722,770	282.3	714,750	282.2
Rheumatic fever and rheumatic heart disease	500	2.4	470	2.2	5,410	2.3	5,490	2.4	5,920	2.3	5,990	2.4
Hypertensive heart disease	1,940	9.2	1,520	7.3	20,010	8.5	19,500	8.4	21,930	8.6	21,350	8.4
Hypertensive heart and renal disease	180	0.8	170	0.8	2,110	0.9	1,870	0.8	2,280	0.9	2,080	0.8
Ischemic heart disease	40,240	190.8	38,370	183.4	438,600	187.2	435,230	187.8	481,070	187.9	477,760	188.6
Acute myocardial infarction	19,230	91.2	19,110	91.3	210,240	89.7	212,580	91.7	230,890	90.2	233,810	92.3
Other acute and subacute forms of ischemic heart disease	190	0.9	270	1.3	2,630	1.1	2,810	1.2	2,870	1.1	3,190	1.3
Angina pectoris	80	*	40	*	940	0.4	800	0.3	1,030	0.4	850	0.3
Old myocardial infarction and other forms of chronic ischemic heart disease	20,730	98.3	18,960	90.6	224,790	95.9	219,030	94.5	246,280	96.2	239,910	94.7
Other diseases of endocardium	1,270	6.0	1,200	5.7	13,670	5.8	12,440	5.4	14,750	5.8	13,450	5.3
All other forms of heart disease	15,980	75.8	16,050	76.7	178,940	76.4	176,990	76.4	196,810	76.9	194,140	76.7
Hypertension with or without renal disease	910	4.3	650	3.1	8,810	3.8	7,720	3.3	9,660	3.8	8,550	3.4
Cerebrovascular diseases	12,290	58.3	12,010	57.4	131,390	56.1	130,520	56.3	143,650	56.1	142,890	56.4
Intracerebral and other intracranial hemorrhage	1,830	8.7	1,750	8.4	19,140	8.2	18,560	8.0	21,000	8.2	20,300	8.0
Cerebral thrombosis and unspecified occlusion of cerebral arteries	1,330	6.3	1,340	6.4	14,010	6.0	16,010	6.9	15,440	6.0	17,340	6.8
Cerebral embolism	40	*	60	*	620	0.3	640	0.3	670	0.3	710	0.3
All other and late effects of cerebrovascular diseases	9,100	43.1	8,850	42.3	97,630	41.6	95,310	41.1	106,550	41.6	104,530	41.3

Atherosclerosis	440	1,410	6.7	1,290	6.2	14,870	6.3	15,530	6.7	16,390	6.4	17,120	6.8
Other diseases of arteries, arterioles, and capillaries	441-448	2,010	9.5	2,170	10.4	22,090	9.4	22,680	9.8	24,260	9.5	24,790	9.8
Acute bronchitis and bronchiolitis	466	40	*	40	*	450	0.2	540	0.2	490	0.2	550	0.2
Pneumonia and influenza	480-487	5,980	28.4	5,670	27.1	70,180	29.9	67,650	29.2	77,450	30.3	74,320	29.3
Pneumonia	480-486	5,980	28.4	5,610	26.8	69,050	29.5	67,030	28.9	75,960	29.7	73,660	29.1
Influenza	487	-	*	60	*	1,120	0.5	620	0.3	1,490	0.6	660	0.3
Chronic obstructive pulmonary diseases and allied conditions	490-496	7,440	35.3	6,390	30.5	83,690	35.7	80,380	34.7	92,070	36.0	87,620	34.6
Bronchitis, chronic and unspecified	490-491	270	1.3	260	1.2	3,530	1.5	3,340	1.4	3,930	1.5	3,700	1.5
Emphysema	492	1,290	6.1	1,360	6.5	15,200	6.5	14,750	6.4	16,970	6.6	15,840	6.3
Asthma	493	340	1.6	290	1.4	4,300	1.8	3,990	1.7	4,810	1.9	4,360	1.7
Other chronic obstructive pulmonary diseases and allied conditions	494-496	5,530	26.2	4,470	21.4	60,670	25.9	58,290	25.2	66,360	25.9	63,710	25.2
Ulcer of stomach and duodenum	531-533	510	2.4	420	2.0	5,400	2.3	5,540	2.4	5,980	2.3	5,970	2.4
Appendicitis	540-543	10	*	40	*	280	0.1	460	0.2	290	0.1	480	0.2
Hernia of abdominal cavity and intestinal obstruction without mention of hernia	550-553,560	500	2.4	400	1.9	5,340	2.3	5,240	2.3	5,890	2.3	5,640	2.2
Chronic liver disease and cirrhosis	571	2,070	9.8	1,950	9.3	22,730	9.7	22,450	9.7	24,980	9.8	24,840	9.8
Cholelithiasis and other disorders of gallbladder	574-575	180	0.8	170	0.8	2,780	1.2	2,760	1.2	3,030	1.2	3,010	1.2
Nephritis and nephrotic syndrome, and nephrosis	580-589	1,820	8.6	2,130	10.2	20,850	8.9	20,700	8.9	23,020	9.0	22,750	9.0
Acute glomerulonephritis and nephrotic syndrome	580-581	10	*	30	*	260	0.1	260	0.1	300	0.1	270	0.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified	582-583,587	100	*	160	0.8	1,330	0.6	1,290	0.5	1,500	0.6	1,400	0.6
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause	584-586,588-589	1,700	8.1	1,940	9.3	19,250	8.2	19,150	8.3	21,210	8.3	21,070	8.3
Infections of kidney	590	80	*	100	*	1,000	0.4	1,130	0.5	1,120	0.4	1,170	0.5
Hyperplasia of prostate	600	20	*	30	*	320	0.1	330	0.1	330	0.1	360	0.1
Complications of pregnancy, childbirth, and the puerperium	630-676	20	*	20	*	220	0.1	250	0.1	270	0.1	270	0.1
Pregnancy with abortive outcome	630-638	-	*	-	*	30	*	60	*	30	*	60	*
Other complications of pregnancy, childbirth, and the puerperium	640-676	20	*	20	*	190	0.1	190	0.1	240	0.1	210	0.1
Congenital anomalies	740-759	950	4.5	890	4.2	11,390	4.9	10,820	4.7	12,350	4.8	11,990	4.7
Certain conditions originating in the perinatal period	760-779	1,300	6.2	1,260	6.0	14,480	6.2	15,390	6.6	15,630	6.1	16,690	6.6
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome	767-769	240	1.1	230	1.1	2,940	1.3	3,140	1.3	3,050	1.2	3,510	1.4
Other conditions originating in the perinatal period	760-766,770-779	1,060	5.0	1,030	4.9	11,540	4.9	12,240	5.3	12,580	4.9	13,190	5.2
Symptoms, signs, and ill-defined conditions	780-799	2,880	13.7	3,010	14.4	32,500	13.9	31,540	13.6	36,040	14.1	34,840	13.8
All other diseases . . . . .	.Residual	14,970	71.0	14,770	70.6	163,450	69.7	159,600	68.9	180,040	70.3	174,810	69.0
Accidents and adverse effects	E800-E949	7,310	34.6	7,100	33.9	78,540	33.5	81,930	35.3	85,500	33.4	89,260	35.2
Motor vehicle accidents	E810-E825	3,810	18.1	3,460	16.5	38,290	16.3	40,580	17.5	41,690	16.3	44,380	17.5
All other accidents and adverse effects	E800-E807,E826-E949	3,510	16.6	3,640	17.4	40,250	17.2	41,350	17.8	43,810	17.1	44,880	17.7
Suicide	E950-E959	2,290	10.8	2,470	11.8	26,500	11.3	26,860	11.6	28,740	11.2	28,740	11.3
Homicide and legal intervention	E960-E978	2,130	10.1	2,380	11.4	23,890	10.2	24,180	10.4	25,930	10.1	26,180	10.3
All other external causes	E980-E999	150	0.7	100	*	1,930	0.8	1,720	0.7	2,110	0.8	1,950	0.8
Human immunodeficiency virus infection ²	*042-*044	2,610	12.4	2,110	10.1	29,130	12.4	26,190	11.3	31,770	12.4	28,540	11.3

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

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

NOTE: 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. Data include adjustments for the District of Columbia, which is not included in the sample for November 1992, and for Maryland, which is not included in the samples for October and November 1992.

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, November 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with November 1991 and 1992

[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)	November		January–November				12 months ending with November						
	1992		1991		1992		1991		1992		1991		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues ¹140–208	44,010	208.7	42,750	204.4	478,150	204.0	472,680	204.0	521,710	203.8	515,180	203.4	
Malignant neoplasm of esophagus.	150	780	3.7	740	3.5	9,740	4.1	9,070	3.9	10,520	4.1	9,730	3.8
Malignant neoplasm of stomach	151	910	4.3	1,230	5.9	11,910	5.1	13,250	5.7	13,050	5.1	14,450	5.7
Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus153,154	4,910	23.3	4,690	22.4	52,460	22.4	50,860	21.9	57,250	22.4	55,900	22.1	
Malignant neoplasm of pancreas.	157	2,330	11.0	2,040	9.7	23,800	10.1	23,300	10.0	25,970	10.1	25,380	10.0
Malignant neoplasms of trachea, bronchus, and lung	162	12,550	59.5	12,220	58.4	134,590	57.4	130,840	56.5	147,040	57.4	142,890	56.4
Malignant melanoma of skin.	172	480	2.3	530	2.5	6,360	2.7	6,520	2.8	6,900	2.7	7,030	2.8
Malignant neoplasm of cervix uteri.	180	410	1.9	360	1.7	3,970	1.7	4,290	1.8	4,330	1.7	4,690	1.9
Malignant neoplasms of body of uterus and of uterus, part unspecified179,182	560	2.6	460	2.2	6,040	2.6	5,310	2.3	6,430	2.5	5,790	2.3	
Malignant neoplasm of ovary	183.0	1,210	5.7	980	4.7	11,590	4.9	12,050	5.2	12,640	4.9	13,010	5.1
Malignant neoplasm of prostate	185	2,640	12.5	2,760	13.2	30,960	13.2	31,040	13.4	33,850	13.2	33,860	13.4
Malignant neoplasm of bladder.	188	950	4.5	790	3.8	10,110	4.3	9,380	4.0	11,040	4.3	10,270	4.1
Malignant neoplasms of kidney and other and unspecified urinary organs189	1,030	4.9	810	3.9	10,450	4.4	9,720	4.2	11,340	4.4	10,620	4.2	
Malignant neoplasms of brain and other and unspecified parts of nervous system191,192	1,200	5.7	1,150	5.5	9,810	4.2	10,500	4.5	10,810	4.2	11,310	4.5	
Hodgkin's disease.	201	100	*	180	0.9	1,480	0.6	1,590	0.7	1,640	0.6	1,700	0.7
Malignant lymphoma other than Hodgkin's disease200,202	1,570	7.4	1,880	9.0	18,940	8.1	18,680	8.0	20,640	8.1	20,280	8.0	
Multiple myeloma and other immunoproliferative neoplasms.203	760	3.6	820	3.9	8,730	3.7	8,520	3.7	9,620	3.8	9,240	3.6	

¹Includes figures for subcategories not shown below.

NOTE: 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. Data include adjustments for the District of Columbia, which is not included in the sample for November 1992, and for Maryland, which is not included in the samples for October and November 1992.

Table 8. Provisional number of deaths under 1 year and infant mortality rates, by age and for 10 selected causes: United States, November 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with November 1991 and 1992

[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)	November		January–November				12 months ending with November					
	1992		1991		1992		1991		1992		1991	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Total, under 1 year	2,700	810.2	3,000	899.6	31,500	843.2	33,500	890.8	34,500	845.5	36,700	897.3
Under 28 days	1,660	499.8	1,820	552.8	20,080	537.8	21,060	559.5	21,690	532.9	22,960	560.8
28 days to 11 months	1,030	310.1	1,150	349.3	11,410	305.6	12,470	331.3	12,750	313.3	13,770	336.3
Certain gastrointestinal diseases.008–009,535,555–558	–	*	30	*	300	8.0	300	8.0	320	7.9	320	7.8
Pneumonia and influenza.480–487	40	*	70	*	590	15.8	580	15.4	620	15.2	620	15.1
Congenital anomalies740–759	500	150.6	560	170.1	6,820	182.7	7,020	186.5	7,380	181.3	7,810	190.8
Disorders relating to short gestation and unspecified low birthweight.765	250	75.3	240	72.9	3,460	92.7	4,160	110.5	3,780	92.9	4,450	108.7
Birth trauma767	–	*	10	*	160	4.3	130	3.5	190	4.7	140	3.4
Intrauterine hypoxia and birth asphyxia768	50	*	60	*	610	16.3	710	18.9	620	15.2	750	18.3
Respiratory distress syndrome.769	190	57.2	150	45.6	2,120	56.8	2,240	59.5	2,180	53.6	2,540	62.0
Other conditions originating in the perinatal period760–764,766,770–779	790	237.9	780	236.9	7,910	211.9	8,000	212.5	8,590	211.0	8,640	211.0
Sudden infant death syndrome798.0	410	123.5	390	118.4	3,730	99.9	3,910	103.9	4,240	104.2	4,380	107.0
All other causes.Residual	440	132.5	670	203.5	5,800	155.3	6,480	172.2	6,500	159.7	7,080	172.9

NOTE: 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. Data include adjustments for the District of Columbia, which is not included in the sample for November 1992, and for Maryland, which is not included in the samples for October and November 1992.

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.

Beginning with the January 1991 issue, birth, death, and infant death figures for all years shown 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 3 most recent years for which final data were available, 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. Before the January 1991 issue, provisional data for all events were by State of occurrence. 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 all years for California shown in tables 2 and 4 contain adjustments for varying length of State reporting periods. Beginning with data for February 1991, figures for Texas for all events shown in tables 2-4 are also adjusted for varying length of State reporting periods. Before February 1991, data for Texas were reported for monthly 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 for California and

Texas shown in tables 2-4 are included in the U.S. totals.

Beginning with data for January 1991, U.S. totals for births, deaths, and infant deaths are based on the State estimates by State of residence (described above) 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 for all years and in the U.S. birth, death, and infant death figures for 1990 and previous years. 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, see below), 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, 1988*, 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. The population estimates are based on the 1980 Census of Population and do not reflect the results of the 1990 census enumeration. Monthly rates are based on populations estimated for the specific month. Year-to-date rates are averages of the monthly rates weighted by the number of days in each respective month. 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 infant deaths for the specified period (monthly, year-to-date, 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 section on Nature and sources of data. Because monthly infant mortality rates are based on relatively few events, they are highly variable. Therefore, comparisons between monthly infant

mortality rates should be interpreted cautiously; see section on Random variation.

The age-adjusted rates presented in this report are computed by the direct method, that is, by applying the age-specific death rates to the standard population distributed by age. Age groups shown in table 5 were used to compute the age-adjusted rates shown in that table. The age-adjusted rates upon which the State maps are based were computed from age-specific rates in 10-year age groups. In both instances the total population as enumerated in 1940 was selected as the standard. It is important not to compare age-adjusted death 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 by age, race, sex, and cause are 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 is sometimes not available when the sample is drawn. As a result, estimates based on sample counts for certain causes are biased. Correction for bias is shown in the annual summary (issue No. 13 in this series) for each year.

Estimated numbers of deaths and death rates 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, NCHS introduced category numbers *042–*044 for classifying and coding human immunodeficiency virus infection (HIV infection), formerly referred to as human T-cell lymphotropic virus-III/lymphadenopathy-associated virus (HTLV-III/LAV) infection. The asterisk before the category numbers indicates that these codes are not part of the Ninth

Revision 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 as well as 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 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 will be between the two.

The chances are about 2 of 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 of 20 that the percent difference is less than twice the percent shown. Figures based on 100 or fewer estimated deaths have relative standard errors of 30 percent or more and are, therefore, considered unreliable. Rates based on 100 or fewer estimated deaths are indicated by an “*”.

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

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 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 from January 1982 through the month that is 12 months before the latest month shown in the chart. The graph of the estimated equation and 95-percent prediction intervals is shown from January 1985 through the month that is 12 months before the latest month shown in the chart; the graph for the subsequent 12 months is projected (1). Symbols in each chart represent actual monthly death rates based on the CMS. In some cases the data are transformed by the natural

logarithm before fitting the model. For graphical purposes the data are transformed 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 upon request for the charts published in the Mortality Surveillance System. Time series regression models have previously been used to describe trends in mortality data (2-4). A list of cause-of-death topics is presented in the table on the back of this report.

State Maps

Unlike other data presented in this report, the State maps are based on final instead of provisional data. The infant mortality rates used to produce the first State map were computed by using 3-year total numbers of infant deaths and live births for 1987-89. The assignment of the States into the given shadings on the maps was carried out in two steps: a) determining whether the State infant mortality 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. Infant mortality rates and the corresponding 95-percent confidence intervals are shown in the table. The symbols “+” and “++” shown in the table 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 infant deaths.

For 50 infant 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 = infant mortality rate for 1987-89 for the given State per 100,000 live births

r_{us} = infant mortality rate for 1987-89 for the United States per 100,000 live births

$S^2(r_s) = r_s^2 / D_s$ = estimated variance of the infant mortality rate for 1987-89 for the State

$S^2(r_{us}) = r_{us}^2 / D_{us}$ = estimated variance of infant mortality rate for 1987-89 for the United States

D_s = number of infant deaths for the State for 1987-89

D_{us} = number of infant deaths for the United States for 1987-89.

The variance of the infant mortality rates was computed under the

assumption of no variance for live births and a Poisson probability distribution for infant deaths. The 95-percent confidence limits were estimated as follows:

$$\begin{aligned} \text{Lower limit} &= r_s - 1.96 \cdot S(r_s) \\ &\text{and} \\ \text{Upper limit} &= r_s + 1.96 \cdot S(r_s) \end{aligned}$$

For 1-49 infant deaths, the lower and upper 95-percent confidence limits were estimated as described elsewhere (5). The difference between the State and U.S. infant mortality rates was determined to be statistically significant at the 0.05 or 0.01 level if their respective 95-percent or 99-percent confidence limits did not overlap.

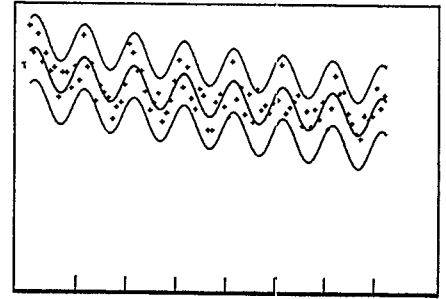
To produce the second State map, postneonatal mortality rates instead of infant mortality rates were used. Except for the substitution of infant deaths with postneonatal deaths, all of the above procedures used in producing the first State map also apply in producing the second State map.

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Mortality Surveillance System chart topics

<i>MVSR issue</i>	<i>Cause-of-death chart topics</i>
Vol. 41 No. 1	Human immunodeficiency virus infection
Vol. 41 No. 2	Cerebrovascular diseases
Vol. 41 No. 3	Chronic obstructive pulmonary diseases and allied conditions
Vol. 41 No. 4	Diabetes mellitus
Vol. 41 No. 5	Diseases of heart
Vol. 41 No. 6	Malignant neoplasms including neoplasms of lymphatic and hematopoietic tissues
Vol. 41 No. 7	Malignant neoplasms of trachea, bronchus, and lung
Vol. 41 No. 8	Malignant neoplasm of prostate, Malignant neoplasm of breast
Vol. 41 No. 9	Malignant neoplasms of digestive organs and peritoneum
Vol. 41 No. 10	Suicide
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Vol. 41 No. 12	Infant mortality, Neonatal mortality, Postneonatal mortality, and Sudden infant death syndrome



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