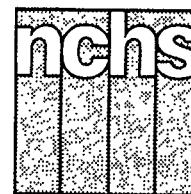


Monthly Vital Statistics Report



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

Births, Marriages, Divorces, and Deaths for October 1992

Mortality Surveillance System

pages 4-7

Suicide:

25-44 years of age by sex
45-74 years of age by sex

State Maps

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Suicide by sex

Births

According to provisional reports, an estimated 345,000 births occurred in the United States during October 1992. This was a decrease of 3 percent from the provisional number of births reported for October 1991 (355,000). The birth rate, 15.8 live births per 1,000 population, was 4 percent lower than the rate of 16.4 for October 1991. The fertility rate, 69.1 live births per 1,000 women 15-44 years, was 3 percent lower than the comparable rate for October 1991 (70.9). The seasonally adjusted fertility rate (69.3) was also 3 percent lower than the comparable rate for October 1991 (71.1).

During the first 10 months of 1992, an estimated 3,423,000 births occurred, a decline of 1 percent from the 3,445,000 reported for January-October 1991. The birth rate for this period declined by 2 percent from 16.3 in 1991 to 16.0 in 1992.

An estimated 4,089,000 live births occurred in the 12-month period ending with October 1992, a decline of 1 percent from the 4,128,000 births reported for the same period a year earlier. The birth rate of 16.0 was 2 percent lower than the rate of 16.3 for the preceding 12 months. The fertility rate for the most recent 12-month period was 69.4, 1 percent lower than the rate for the 12 months ending with

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	October		January-October				12 months ending with October							
	Number		Rate		Number		Rate		Number		Rate			
	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1990	1989
Live births	345,000	355,000	15.8	16.4	3,423,000	3,445,000	16.0	16.3	4,089,000	4,128,000	16.0	16.3	16.6	16.1
Fertility rate . . . . .	...	...	69.1	70.9	...	...	69.7	70.1	...	...	69.4	70.0	70.9	68.3
Deaths	181,000	180,000	8.3	8.4	1,816,000	1,797,000	8.5	8.5	2,184,000	2,153,000	8.5	8.5	8.7	8.6
Infant deaths	2,900	2,900	8.3	8.2	29,100	30,600	8.5	8.9	35,000	36,800	8.6	8.9	9.2	8.8
Natural Increase	164,000	175,000	7.5	8.0	1,607,000	1,648,000	7.5	7.8	1,905,000	1,975,000	7.5	7.8	7.9	7.5
Marriages	222,000	221,000	10.2	10.2	2,002,000	2,014,000	9.4	9.5	2,359,000	2,396,000	9.2	9.5	9.8	9.6
Divorces	99,000	98,000	4.5	4.5	1,000,000	995,000	4.7	4.7	1,192,000	1,189,000	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



October 1991 (70.0). 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 164,000 people, or 7.5 persons per 1,000 population, were added to the population during October 1992.

For the 12-month period ending with October 1992, 1,905,000 persons were added to the population. This represents a rate of natural increase of 7.5, 4 percent lower than the rate of 7.8 for the preceding 12-month period. The decline in the rate of natural increase is due entirely to a decrease in the birth rate, while the death rate remained steady.

Marriages

According to provisional estimates, the number of marriages for October 1992 was 222,000, 1,000 more than for October 1991 (221,000). The marriage rate per 1,000 population for October was 10.2 for both years.

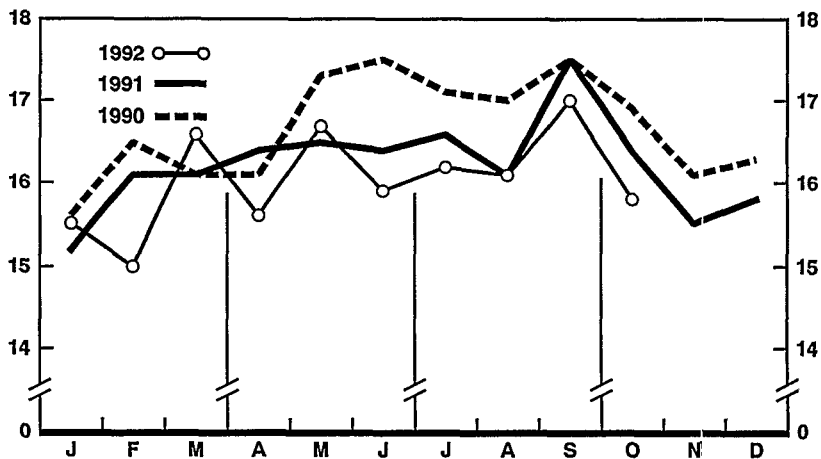
For January–October 1992, the number of marriages and the marriage rate were 1 percent lower than for the comparable period a year earlier. The number of marriages for this period dropped from 2,014,000 in 1991 to 2,002,000 in 1992, while the marriage rate declined from 9.5 to 9.4.

Marriages performed in the 12 months ending with October 1992 totaled 2,359,000, a 2-percent decline from the same period a year earlier (2,396,000). The marriage rate for the period declined 3 percent, from 9.5 to 9.2.

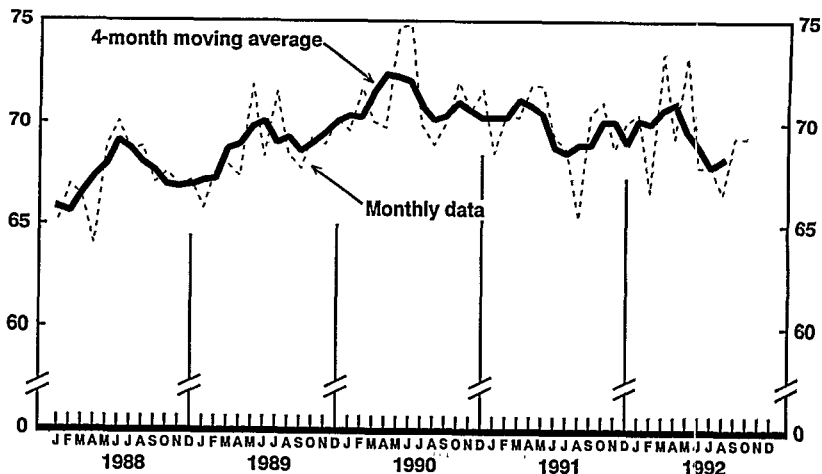
Divorces

Divorces granted in October 1992 numbered 99,000, a 1-percent increase from the number for October 1991 (98,000). The divorce rate per 1,000 population for October 1992 (4.5) was unchanged from October 1991.

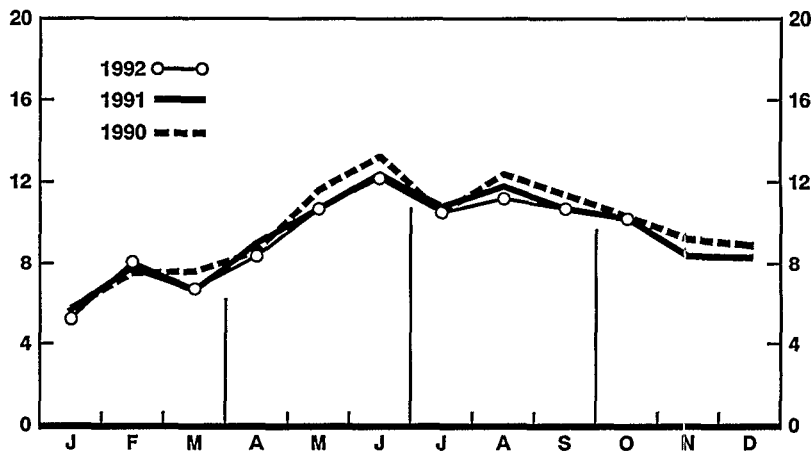
For the first 10 months of 1992, the number of divorces totaled 1,000,000, 1 percent more than for January–October 1991 (995,000). The divorce rate for the period was 4.7 for both years.



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

For the 12-month period ending with October 1992, the number of divorces totaled 1,192,000, compared with 1,189,000 for the preceding 12-month period. The divorce rate for the successive 12-month periods has not changed (4.7) since April 1991.

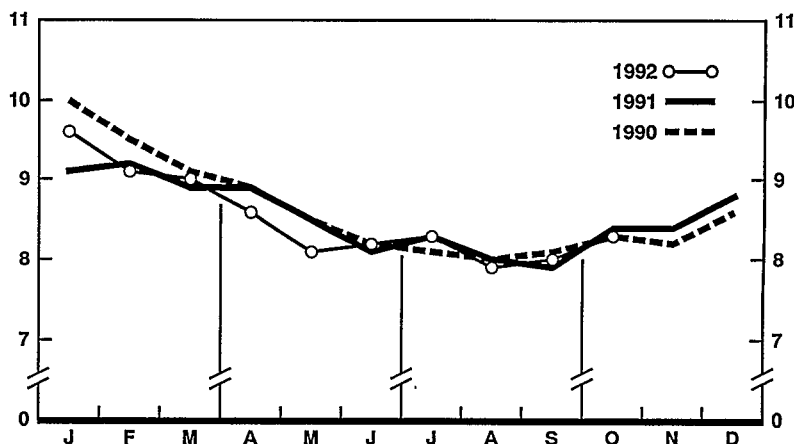
Deaths

During October 1992 there were an estimated 181,000 deaths in the United States. The death rate was 8.3 deaths per 1,000 population, 1 percent lower than the rate for October a year earlier. Among the 181,000 deaths for October 1992 were 2,900 deaths at ages under 1 year.

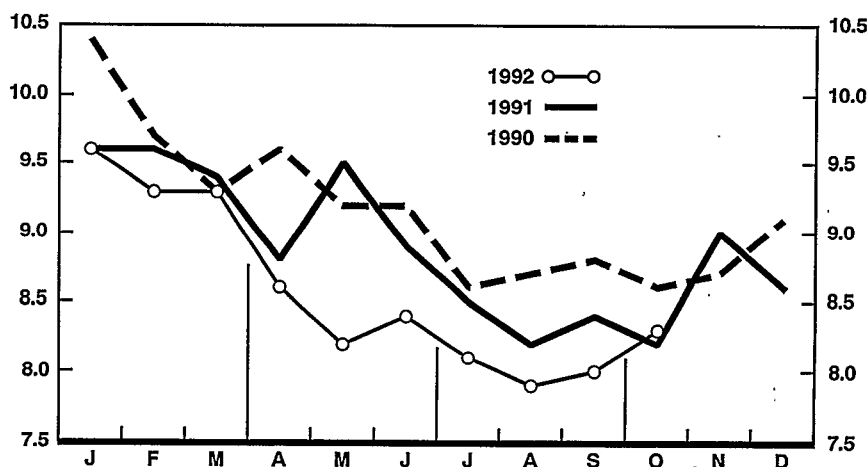
According to provisional statistics, there were 1,816,000 deaths during the first 10 months of 1992, 1 percent higher than the number estimated for January–October 1991 (1,797,000). The death rate, 8.5 per 1,000 population, was the same as the rate for January–October 1991. Among the 1,816,000 deaths for the first 10 months of 1992 were 29,100 deaths at ages under 1 year, yielding an infant mortality rate of 8.5 per 1,000 live births. This rate was 4 percent lower than the rate of 8.9 for the first 10 months of 1991.

The death rate for the 12 months ending with October 1992 was 8.5 deaths per 1,000 population, the same as the rate for the comparable 12-month period a year earlier. The infant mortality rate was 8.6 per 1,000 live births, 3 percent lower than the rate of 8.9 for the 12 months ending with October 1991.

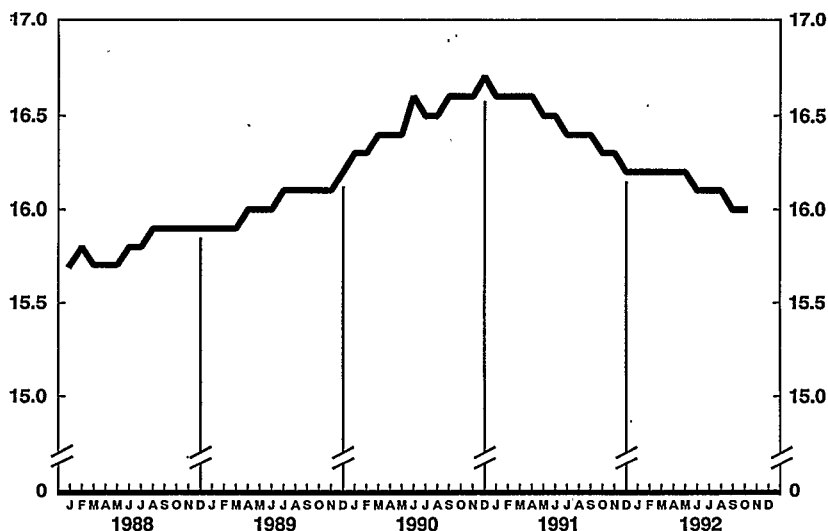
Current Mortality Sample, 12 months ending with September 1992—The provisional death rate for the 12 months ending with September 1992 was 854.0 deaths per 100,000 population, slightly higher than the rate of 850.3 for the 12-month period ending with September 1991. The provisional age-adjusted death rate for the 12-month period ending with September 1992 was 503.6 deaths per 100,000 population, compared with a rate of 506.1 for the 12-month period ending with September 1991. The change in the age-adjusted death rate was not statistically significant. Age-adjusted death rates control for



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

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 65-74 years but increased for the age group 35-44 years.

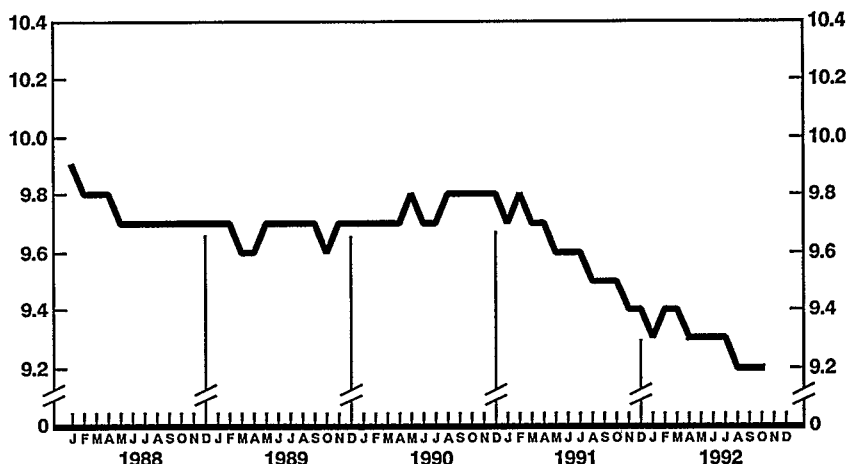
Among the major causes of death, the estimated death rate increased between the two successive 12-month periods for Malignant neoplasms of respiratory and intrathoracic organs and Human immunodeficiency virus infection. The death rate decreased between the two successive 12-month periods for Motor vehicle accidents.

The infant mortality rate for the 12 months ending with September 1992 was 859.4 per 100,000 live births, 4 percent lower than the rate of 897.2 for the same 12-month period a year earlier. For infants under 28 days, the 12-month rate ending with September 1992 was 539.3 compared with a rate of 564.8 for the 12-month period a year earlier. The infant mortality rate for infants 28 days to 11 months was 320.3 compared with a rate of 332.5 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.

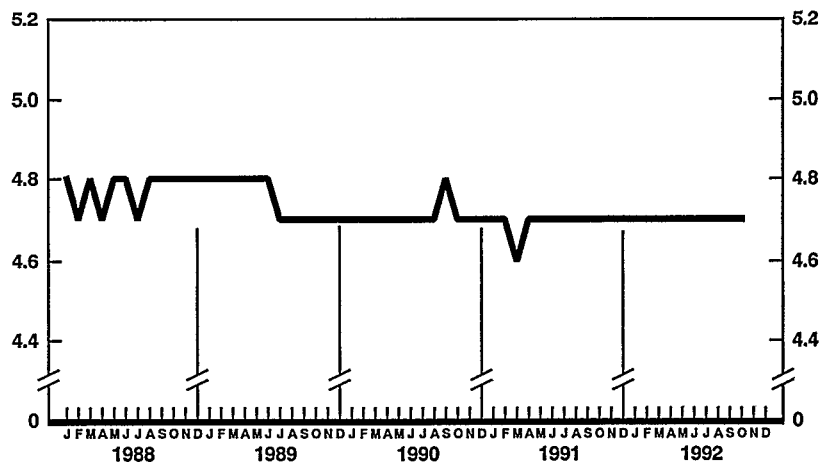
Mortality Surveillance System

Discussed this month are recent trends in death rates for Suicide for men and women aged 25-44 and 45-74 years. In this issue, final mortality data are analyzed for data year 1989 and provisional data, from January 1982-April 1992.

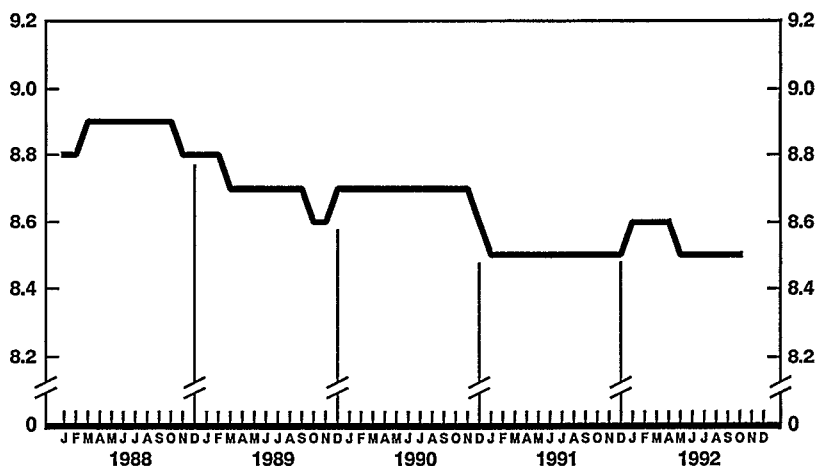
In 1989, Suicide was the fifth leading cause of death for men and



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

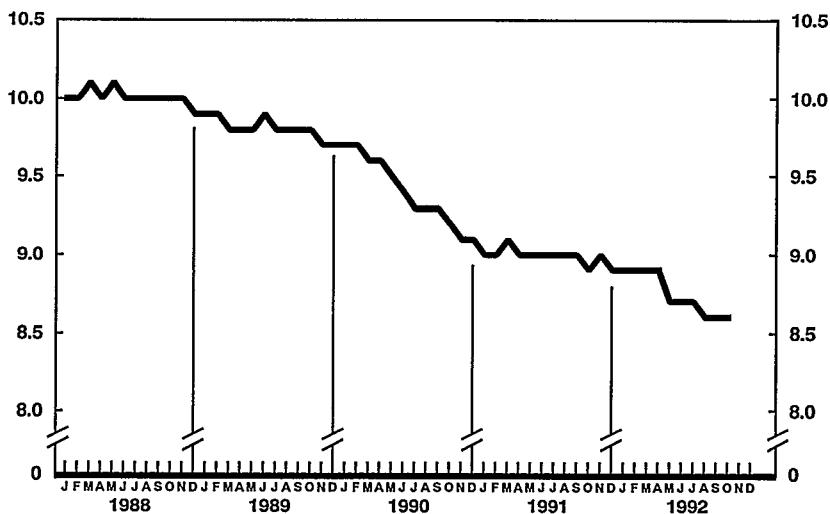


Provisional death rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1988-92

the fourth leading cause of death for women aged 25–44 years. It accounted for 2,454 deaths, or 6 percent of deaths from all causes for women in this age group and for 9,442 deaths or 9 percent of all deaths for men in this age group.

For ages 45–74 years, Suicide was the 9th leading cause of death for men and the 11th leading cause of death for women. It accounted for 7,896 deaths, or 1.5 percent of deaths from all causes for men in this age group and for 2,363 deaths or 0.7 percent of all deaths for women in this age group.

Based on 1989 final data, the death rates for Suicide for men in the age group 45–74 years was 1.1 times the rate for men aged 25–44 years; similarly, the rate for women in the older age group also was 1.1 times the rate for the younger women. By contrast, suicide deaths as a percentage of deaths from all causes were substantially lower for men and women in the older age group compared with men and women in the younger age group. For both age groups, the death rate for men was almost four times that for women. Trends based on provisional data for Suicide for these demographic groups are presented in the Mortality Surveillance System charts and accompanying text that follow.

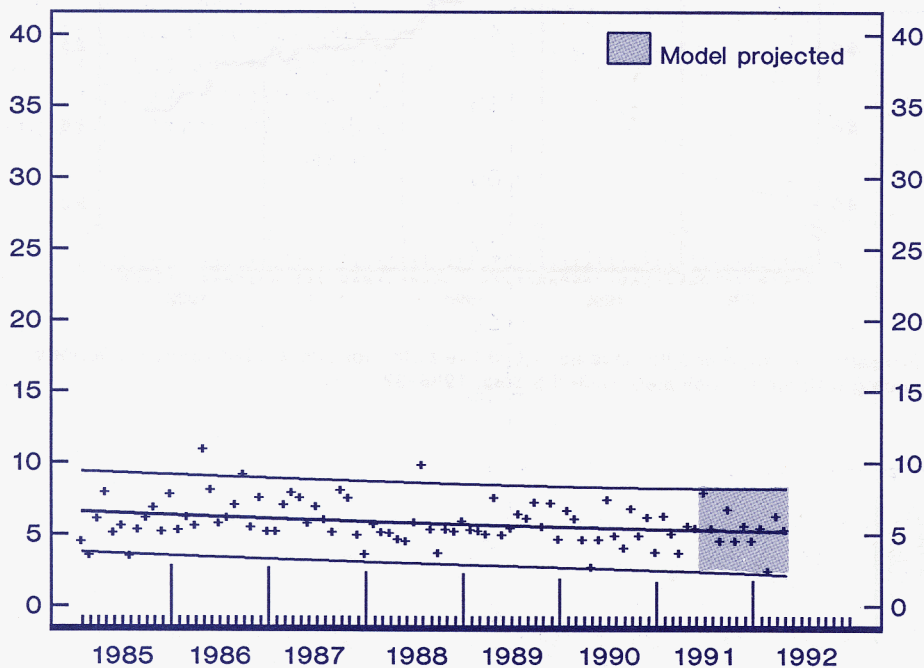


Provisional infant mortality rates per 1,000 live births for successive 12-month periods ending with month indicated: United States, 1988–92

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]

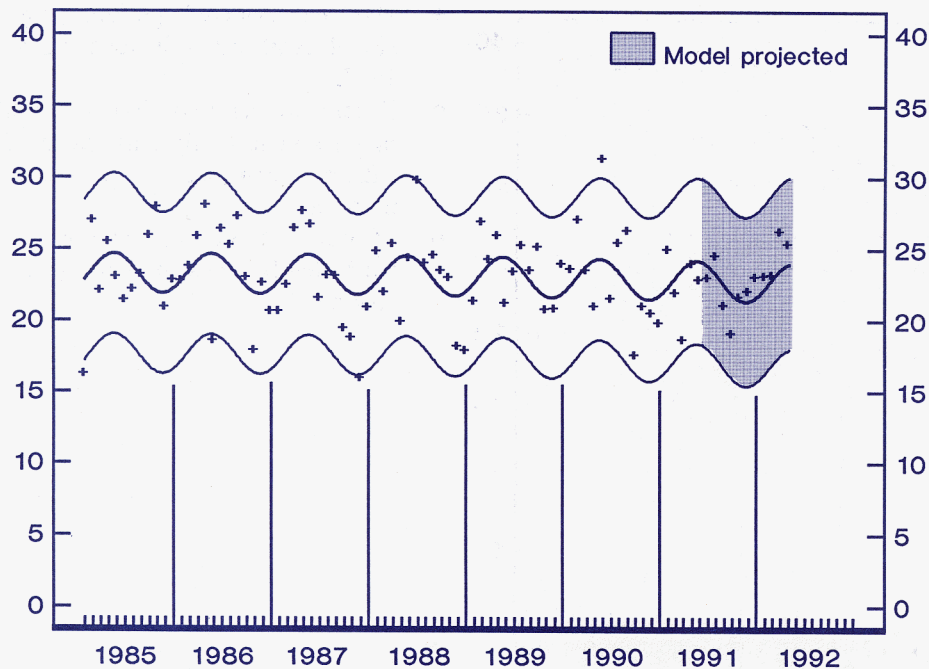
Suicide
Females, 25–44 years



- For the modeled period, provisional death rates decreased.
- For the projection period, observed provisional monthly death rates fell within 95-percent prediction intervals.

Provisional death rates per 100,000 females 25–44 years of age for Suicide, by month: United States, 1985–92

Suicide
Males, 25–44 years



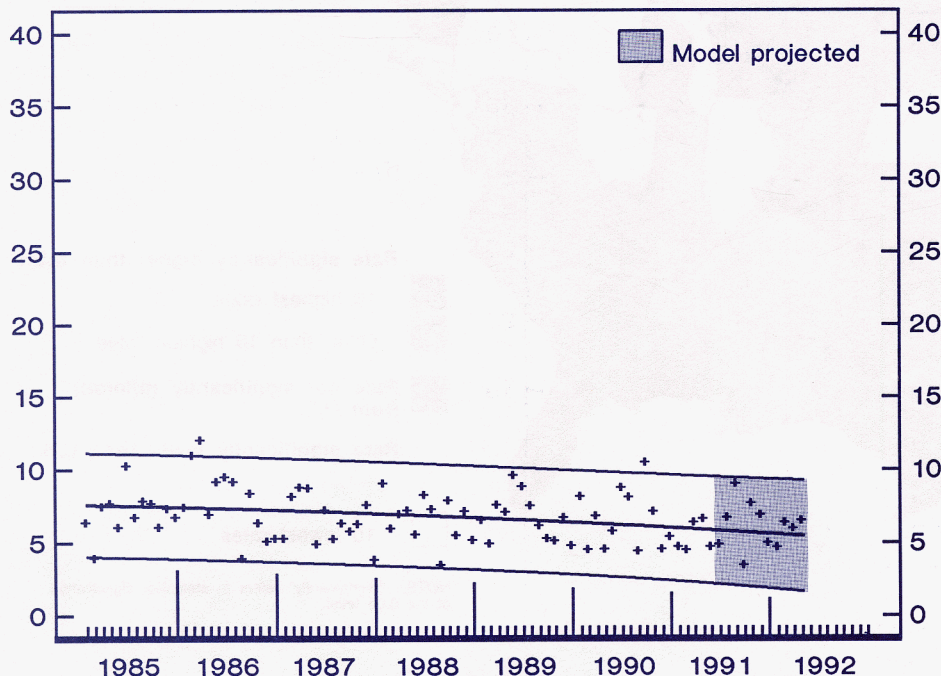
- For the modeled period, provisional death rates showed no discernible upward or downward trend.
- For the projection period, observed provisional monthly death rates fell within 95-percent prediction intervals.
- Mortality shows a seasonal pattern with death rates higher in the spring.

Provisional death rates per 100,000 males 25–44 years of age for Suicide, by month: United States, 1985–92

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]

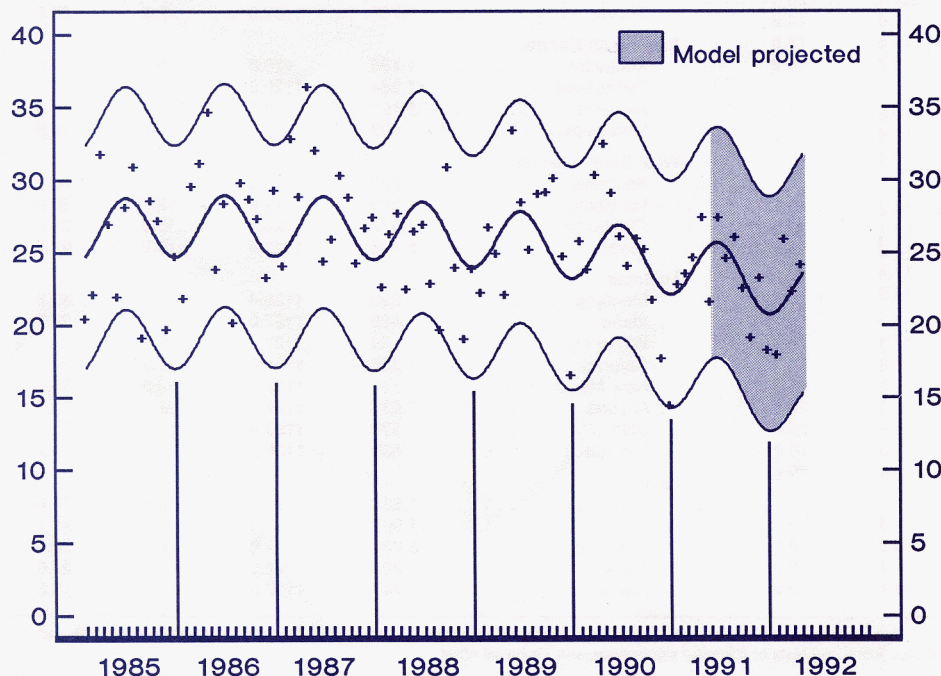
Suicide
Females, 45–74 years



Provisional death rates per 100,000 females 45–74 years of age for Suicide, by month: United States, 1985–92

- For the modeled period, provisional death rates decreased.
- For the projection period, observed provisional monthly death rates fell within 95-percent prediction intervals.

Suicide
Males, 45–74 years

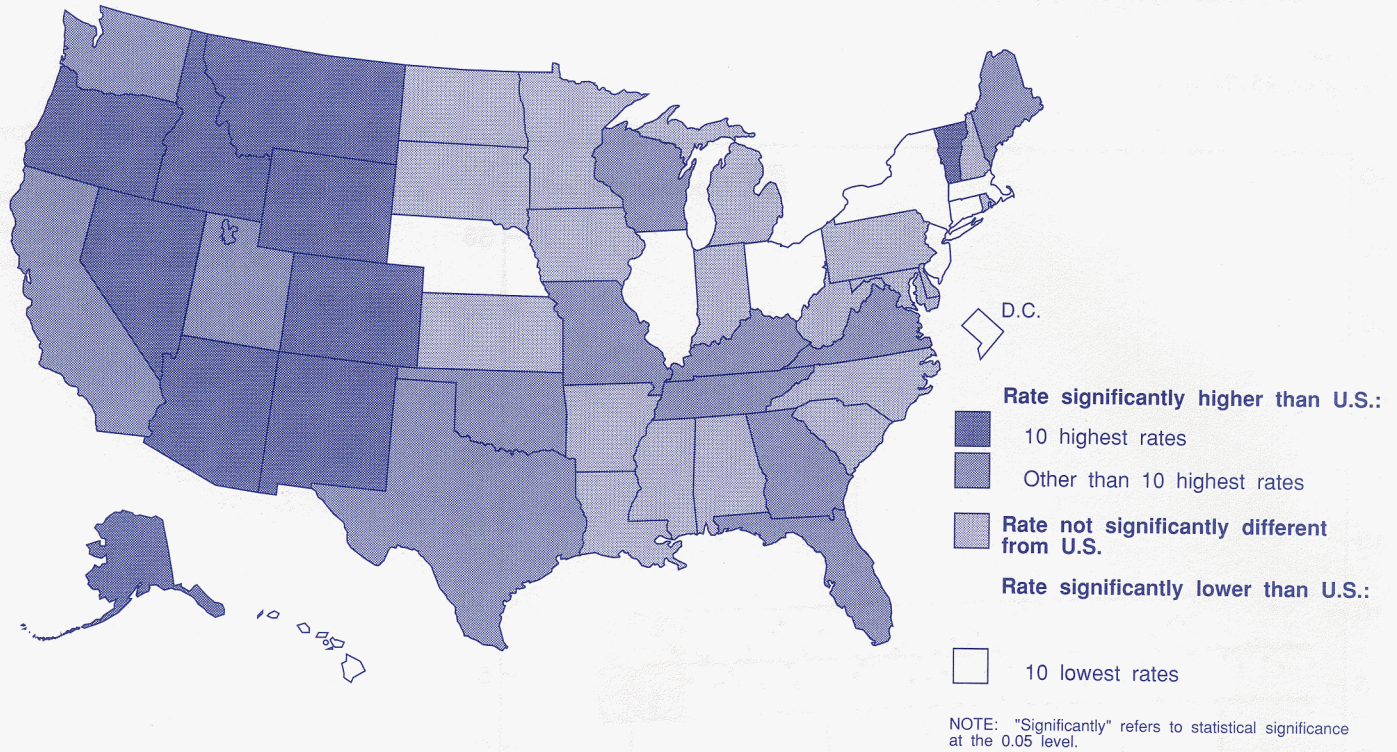


Provisional death rates per 100,000 males 45–74 years of age for Suicide, by month: United States, 1985–92

- For the modeled period, provisional death rates decreased after 1987.
- 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 the summer.

Final 3-year total number of deaths and average annual age-adjusted death rates and 95-percent confidence limits for Suicide for males: United States and each State, 1987-89

[Data are final by State of residence]

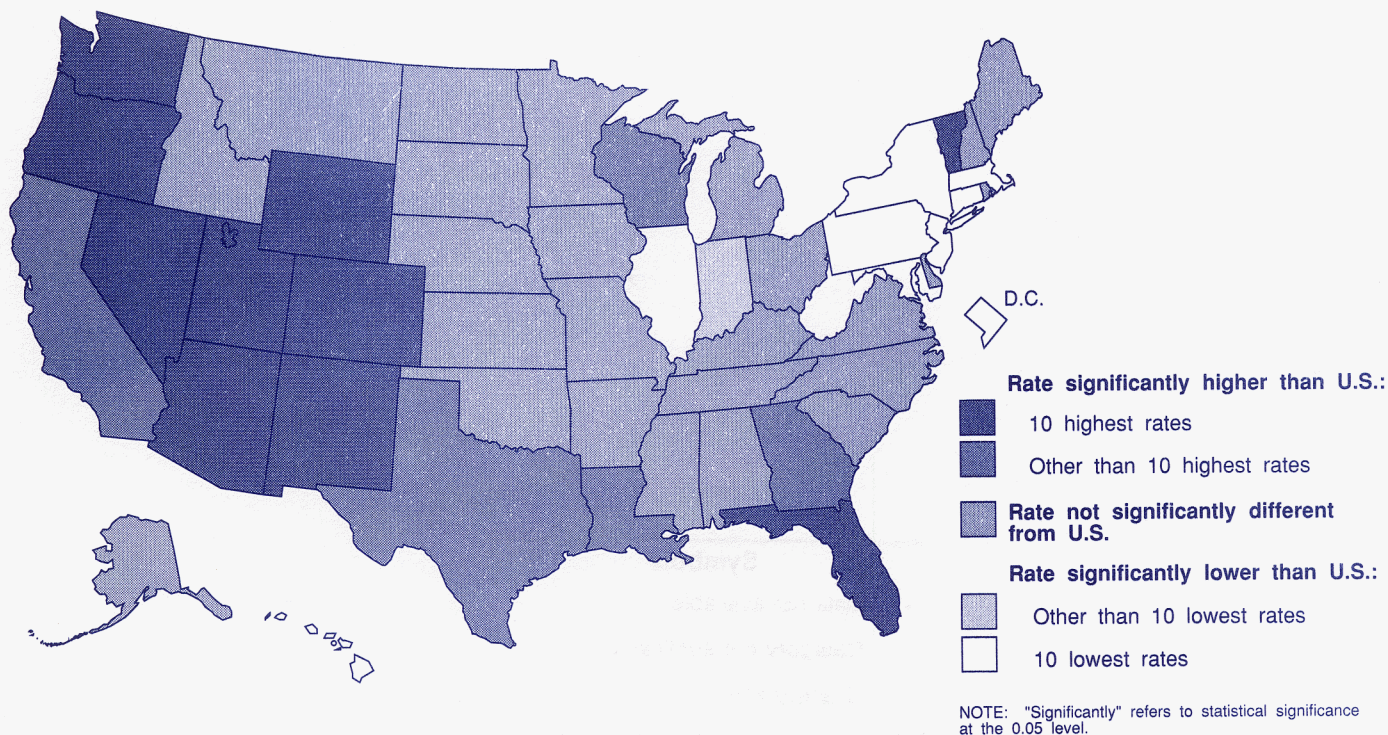


Area	Deaths, 3-year total (final)	Age-adjusted rate (final)	95-percent confidence limits		Area	Deaths, 3-year total (final)	Age-adjusted rate (final)	95-percent confidence limits	
			Lower	Upper				Lower	Upper
United States	72,452	18.8	18.7	18.9	South Atlantic—Con.				
New England					West Virginia	573	19.1	17.5	20.7
Maine	420	††22.2	20.0	24.4	North Carolina	1,957	19.3	18.4	20.2
New Hampshire	323	19.0	16.9	21.1	South Carolina	975	18.7	17.5	19.9
Vermont	219	††24.7	21.4	28.0	Georgia	2,003	††21.1	20.2	22.0
Massachusetts	1,213	††13.4	12.6	14.2	Florida	4,761	††22.9	22.2	23.6
Rhode Island	254	16.7	14.6	18.8	East South Central				
Connecticut	760	††14.8	13.7	15.9	Kentucky	1,188	†20.3	19.1	21.5
Middle Atlantic					Tennessee	1,554	††20.3	19.3	21.3
New York	3,065	††11.0	10.6	11.4	Alabama	1,153	18.3	17.2	19.4
New Jersey	1,372	††11.2	10.6	11.8	Mississippi	693	17.6	16.3	18.9
Pennsylvania	3,607	19.0	18.4	19.6	West South Central				
East North Central					Arkansas	732	19.2	17.7	20.7
Ohio	2,851	††16.8	16.2	17.4	Louisiana	1,286	19.8	18.7	20.9
Indiana	1,657	19.0	18.1	19.9	Oklahoma	1,012	†20.1	18.8	21.4
Illinois	2,873	††15.8	15.2	16.4	Texas	5,146	††20.4	19.8	21.0
Michigan	2,569	18.1	17.4	18.8	Mountain				
Wisconsin	1,535	††20.2	19.2	21.2	Montana	390	††30.4	27.3	33.5
West North Central					Idaho	425	††27.0	24.3	29.7
Minnesota	1,214	18.4	17.3	19.5	Wyoming	199	††27.2	23.3	31.1
Iowa	842	18.1	16.8	19.4	Colorado	1,368	††26.7	25.3	28.1
Missouri	1,670	††20.9	19.9	21.9	New Mexico	741	††32.9	30.5	35.3
North Dakota	188	18.0	15.3	20.7	Arizona	1,632	††29.7	28.2	31.2
South Dakota	231	20.6	17.8	23.4	Utah	528	††23.4	21.3	25.5
Nebraska	422	††16.6	15.0	18.2	Nevada	639	††36.5	33.6	39.4
Kansas	750	19.2	17.8	20.6	Pacific				
South Atlantic					Washington	1,633	††21.7	20.6	22.8
Delaware	217	20.6	17.8	23.4	Oregon	1,067	††23.6	22.1	25.1
Maryland	1,283	17.9	16.9	18.9	California	8,788	††19.6	19.2	20.0
District of Columbia	123	††12.7	10.4	15.0	Alaska	201	††24.5	21.0	28.0
Virginia	1,903	†20.0	19.1	20.9	Hawaii	247	††13.6	11.9	15.3

NOTE: Data are final. Rates per 100,000 population 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 deaths and average annual age-adjusted death rates and 95-percent confidence limits for Suicide for females: United States and each State, 1987-89

[Data are final by State of residence]



Area	Deaths, 3-year total (final)	Age-adjusted rate (final)	95-percent confidence limits		Area	Deaths, 3-year total (final)	Age-adjusted rate (final)	95-percent confidence limits	
			Lower	Upper				Lower	Upper
United States	18,983	4.7	4.6	4.8	South Atlantic—Con.				
New England					West Virginia	115	†3.8	3.1	4.5
Maine	80	3.9	3.0	4.8	North Carolina	485	4.5	4.1	4.9
New Hampshire	93	5.1	4.0	6.2	South Carolina	231	4.2	3.6	4.8
Vermont	57	†6.8	5.0	8.6	Georgia	529	†5.2	4.8	5.6
Massachusetts	362	††3.6	3.2	4.0	Florida	1,400	††6.1	5.7	6.5
Rhode Island	72	4.4	3.3	5.5	East South Central				
Connecticut	175	††3.2	2.7	3.7	Kentucky	272	4.4	3.9	4.9
Middle Atlantic					Tennessee	365	4.5	4.0	5.0
New York	901	††2.9	2.7	3.1	Alabama	300	4.4	3.9	4.9
New Jersey	292	††2.1	1.8	2.4	Mississippi	203	4.8	4.1	5.5
Pennsylvania	820	††4.0	3.7	4.3	West South Central				
East North Central					Arkansas	158	4.1	3.4	4.8
Ohio	799	4.4	4.1	4.7	Louisiana	393	††5.7	5.1	6.3
Indiana	382	†4.2	3.8	4.6	Oklahoma	259	5.3	4.6	6.0
Illinois	759	††3.9	3.6	4.2	Texas	1,363	††5.3	5.0	5.6
Michigan	653	4.4	4.1	4.7	Mountain				
Wisconsin	397	†5.3	4.8	5.8	Montana	74	6.1	4.7	7.5
West North Central					Idaho	90	5.9	4.6	7.2
Minnesota	335	5.2	4.6	5.8	Wyoming	42	†6.8	4.9	9.2
Iowa	191	4.1	3.5	4.7	Colorado	342	††6.6	5.9	7.3
Missouri	429	5.1	4.6	5.6	New Mexico	202	††8.9	7.6	10.2
North Dakota	38	4.0	2.8	5.5	Arizona	403	††7.4	6.6	8.2
South Dakota	43	4.0	2.9	5.4	Utah	143	††6.5	5.4	7.6
Nebraska	107	4.1	3.3	4.9	Nevada	158	††9.4	7.9	10.9
Kansas	178	4.6	3.9	5.3	Pacific				
South Atlantic					Washington	432	††6.0	5.4	6.6
Delaware	63	5.6	4.2	7.0	Oregon	279	††6.0	5.3	6.7
Maryland	289	††3.7	3.3	4.1	California	2,616	††5.6	5.4	5.8
District of Columbia	20	††1.7	1.0	2.6	Alaska	37	5.0	3.5	6.9
Virginia	497	5.0	4.5	5.5	Hawaii	60	††3.4	2.5	4.3

NOTE: Data are final. Rates per 100,000 population 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–October 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 women 15–44 years			Number	Rate per 1,000 population	Number	Rate per 1,000 population	Number	Rate per 1,000 live births
		Rate per 1,000 population	Unadjusted	Seasonally adjusted ¹						
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	335,000	15.5	67.0	70.5	112,000	5.2	207,000	9.6	3,300	9.6
February	304,000	15.0	65.1	66.6	165,000	8.1	185,000	9.1	3,000	9.3
March	360,000	16.6	72.0	73.4	146,000	6.7	195,000	9.0	3,300	9.3
April	327,000	15.6	67.7	69.3	175,000	8.4	181,000	8.6	2,800	8.6
May	361,000	16.7	72.3	73.3	231,000	10.7	175,000	8.1	2,900	8.2
June	333,000	15.9	68.9	67.8	256,000	12.2	172,000	8.2	2,700	8.4
July	352,000	16.2	70.5	67.8	227,000	10.5	180,000	8.3	2,800	8.1
August	351,000	16.1	70.3	66.5	243,000	11.2	172,000	7.9	2,700	7.9
September	357,000	17.0	74.0	69.3	226,000	10.7	169,000	8.0	2,700	8.0
October	345,000	15.8	69.1	69.3	222,000	10.2	181,000	8.3	2,900	8.3

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, October 1991 and 1992, and cumulative figures, 1990–92

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

Area	Live births					Deaths				
	October		January–October			October		January–October		
	1992	1991	1992	1991	1990	1992	1991	1992	1991	1990
New England	16,565	16,589	160,617	160,812	171,021	9,359	8,398	95,889	92,553	96,112
Maine	740	1,639	12,575	13,927	14,603	965	623	9,035	8,821	9,226
New Hampshire	1,302	1,298	12,996	13,725	14,679	710	737	6,822	7,023	7,076
Vermont	681	877	6,297	6,607	7,008	346	430	3,956	3,839	3,877
Massachusetts	8,494	7,560	76,846	74,475	79,383	4,238	3,711	45,093	42,414	45,725
Rhode Island	1,280	1,318	12,240	12,281	12,530	815	758	7,757	7,667	7,875
Connecticut	4,068	3,897	39,663	39,797	42,818	2,285	2,139	23,226	22,789	22,333
Middle Atlantic	57,723	54,452	479,454	488,863	499,683	31,354	31,391	299,184	298,978	302,693
New York	32,945	31,061	243,204	249,043	256,032	14,543	15,169	137,915	139,603	141,882
New Jersey	10,623	9,997	96,092	96,758	98,949	6,192	5,895	58,924	57,655	58,456
Pennsylvania	14,155	13,394	140,158	143,062	144,702	10,619	10,327	102,345	101,720	102,355
East North Central	54,798	55,648	546,367	553,616	566,704	30,746	30,767	308,217	310,875	310,779
Ohio	15,104	12,554	138,176	131,534	137,279	8,090	7,711	82,621	80,894	82,324
Indiana	7,280	8,020	70,650	71,210	71,420	4,099	4,040	41,506	42,787	41,554
Illinois	15,756	16,872	160,300	160,493	162,276	8,487	8,791	84,128	85,561	86,077
Michigan	11,561	13,126	118,416	130,225	134,403	6,651	6,864	65,815	66,164	66,017
Wisconsin	5,097	5,076	58,825	60,154	61,326	3,419	3,361	34,147	35,469	34,807
West North Central	21,502	22,433	220,427	219,236	229,108	14,297	13,440	134,632	133,648	136,053
Minnesota	5,407	5,881	55,372	56,407	58,036	2,967	2,989	28,847	28,979	28,893
Iowa	3,013	3,208	31,912	28,926	32,174	2,207	2,882	22,361	21,155	23,048
Missouri	5,483	5,871	63,956	64,656	67,624	5,021	3,504	42,242	42,705	42,955
North Dakota	735	732	7,504	7,687	8,024	534	514	4,820	4,600	4,765
South Dakota	817	1,124	9,498	9,357	9,323	481	607	5,777	5,489	5,443
Nebraska	1,870	1,890	19,637	20,153	20,089	1,265	1,015	12,253	11,920	11,990
Kansas	4,177	3,727	32,548	32,050	33,838	1,822	1,929	18,332	18,800	18,959
South Atlantic	58,710	62,008	569,135	576,444	590,322	33,770	33,247	336,557	329,136	327,967
Delaware	1,029	981	9,222	9,596	9,442	496	525	4,887	4,857	4,790
Maryland	6,900	8,041	63,741	68,097	68,441	3,234	3,062	31,005	30,407	31,732
District of Columbia	705	882	8,322	8,728	9,193	332	576	5,470	5,831	6,265
Virginia	8,123	8,299	83,368	81,880	84,372	4,184	4,046	41,070	40,300	40,244
West Virginia	1,892	2,432	19,021	19,314	18,991	1,573	1,681	16,927	16,678	16,609
North Carolina	8,805	8,561	86,154	85,432	87,855	5,000	4,821	49,411	48,510	47,804
South Carolina	4,996	4,771	47,277	48,281	49,278	2,683	2,709	25,593	24,782	24,735
Georgia	9,046	9,930	94,281	93,729	95,279	4,862	4,921	44,768	44,791	44,292
Florida	17,214	18,111	157,749	161,387	167,471	11,406	10,906	117,436	112,980	111,496
East South Central	21,339	20,899	196,475	194,050	201,478	12,485	11,995	123,452	119,156	122,633
Kentucky	4,619	4,557	45,487	46,276	49,134	2,912	3,012	29,534	29,154	29,870
Tennessee	6,744	6,754	61,929	60,642	61,293	4,106	3,494	39,764	37,599	38,245
Alabama	5,757	5,620	53,092	50,626	54,425	3,344	3,326	33,185	31,354	33,418
Mississippi	4,219	3,968	35,967	36,506	36,626	2,123	2,163	20,969	21,049	21,100
West South Central	39,501	40,015	406,175	400,403	399,101	17,656	17,557	189,433	186,009	184,882
Arkansas	2,959	3,056	29,304	29,049	30,239	2,232	2,034	21,150	19,950	20,801
Louisiana	5,916	5,497	61,617	62,076	61,546	2,957	2,677	32,364	32,014	31,599
Oklahoma	3,696	3,586	40,094	40,045	39,444	2,411	2,611	25,271	25,303	25,414
Texas ¹	26,930	27,876	275,160	269,233	267,872	10,056	10,235	110,648	108,742	107,068
Mountain	19,878	22,436	206,399	205,386	203,729	8,295	8,245	85,983	83,440	80,822
Montana	1,015	985	9,834	9,743	9,795	584	599	5,953	5,951	5,789
Idaho	1,389	1,667	14,695	14,726	14,070	741	652	6,711	6,525	6,379
Wyoming	552	597	5,796	5,716	5,777	270	273	2,769	2,605	2,701
Colorado	4,680	5,065	45,999	45,982	44,518	1,768	2,074	18,392	18,738	17,717
New Mexico	2,204	2,304	23,406	23,303	24,228	1,074	1,159	9,612	9,417	8,991
Arizona	5,452	6,603	56,591	56,992	57,441	2,251	2,195	26,005	24,545	23,960
Utah	3,402	3,501	31,847	29,984	30,585	817	916	8,159	7,749	7,829
Nevada	1,184	1,714	18,231	18,940	17,315	790	377	8,382	7,910	7,456
Pacific	62,845	69,146	615,398	632,737	642,365	23,365	25,553	243,121	245,111	243,931
Washington	6,701	7,736	57,212	63,400	67,877	2,778	2,488	31,335	30,970	30,933
Oregon	3,464	3,439	35,500	35,951	37,290	2,136	2,006	21,254	20,712	21,311
California ²	49,756	55,375	496,158	507,454	510,613	17,676	20,369	182,926	186,072	184,211
Alaska	1,058	880	9,890	9,268	9,527	208	158	1,864	1,794	1,825
Hawaii	1,866	1,716	16,638	16,664	17,058	567	532	5,742	5,563	5,651

¹Beginning with data for February 1991, figures include adjustments for varying length of reporting period, see Technical notes.²Figures for all years include adjustments for varying length of reporting period, 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, October 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				
	October		January-October			October		January-October		
	1992	1991	1992	1991	1990	1992	1991	1992	1991	1990
New England	18,158	10,185	162,274	84,510	96,022	13,005	2,996	129,655	36,082	37,318
Maine	1,321	1,053	9,816	8,564	10,080	650	284	5,156	4,730	4,253
New Hampshire	1,069	1,220	6,985	8,408	8,977	404	387	4,673	4,210	4,533
Vermont	628	874	4,907	5,134	5,252	283	192	2,530	2,177	2,133
Massachusetts	4,218	3,142	34,113	34,167	40,019	1,377	1,132	14,296	11,703	14,087
Rhode Island	922	865	6,453	6,539	7,141	291	266	3,000	2,837	3,267
Connecticut	---	3,031	---	21,698	24,553	---	735	---	10,425	9,045
Middle Atlantic	32,920	31,949	245,159	248,500	261,211	9,170	10,138	91,107	95,860	103,786
New York ²	15,747	15,434	129,999	134,738	138,066	5,098	4,938	47,195	46,863	49,393
New Jersey	7,440	6,433	47,439	47,309	49,170	668	1,669	10,509	15,645	20,617
Pennsylvania	9,733	10,082	67,721	66,453	73,975	3,404	3,531	33,403	33,352	33,776
East North Central	34,677	30,843	295,734	300,353	313,021	12,243	13,508	126,261	132,103	128,547
Ohio	9,704	9,845	78,368	82,075	78,825	4,155	4,154	43,217	45,235	41,829
Indiana	4,863	5,083	42,564	42,960	46,433	---	---	---	---	---
Illinois	10,326	5,730	79,691	77,184	84,216	3,393	4,518	34,734	38,285	37,643
Michigan	7,330	7,805	61,519	64,120	66,271	3,160	3,289	32,989	33,135	34,249
Wisconsin	2,454	2,380	33,592	34,014	37,276	1,535	1,547	15,321	15,448	14,826
West North Central	13,135	14,008	126,227	129,208	133,805	6,230	5,891	63,862	66,274	64,273
Minnesota	3,616	3,585	28,675	29,147	29,778	1,471	1,465	13,234	12,875	12,672
Iowa	1,559	2,460	18,851	20,205	21,372	855	854	9,068	10,211	9,203
Missouri	3,848	4,267	38,190	39,372	41,327	1,487	1,768	21,364	21,872	22,097
North Dakota	410	400	4,239	4,110	4,129	176	190	1,945	1,825	1,970
South Dakota	580	640	6,607	6,546	6,726	277	246	2,415	2,279	2,216
Nebraska	1,117	822	11,305	11,000	10,764	579	442	5,501	5,348	5,383
Kansas	2,005	1,834	18,360	18,828	19,709	1,385	926	10,335	11,864	10,732
South Atlantic	38,311	40,381	368,530	377,509	386,376	20,315	19,346	197,390	196,521	192,115
Delaware	557	550	4,312	4,563	4,804	293	246	2,824	2,469	2,443
Maryland	4,135	4,912	35,400	37,838	38,730	1,202	1,415	14,561	13,603	13,351
District of Columbia	124	580	2,326	3,965	4,097	367	258	---	1,929	2,315
Virginia	6,937	6,110	59,030	58,084	60,163	2,669	2,421	24,439	23,368	22,591
West Virginia	858	938	10,513	10,708	11,146	590	842	7,887	8,448	7,788
North Carolina	3,926	4,074	41,062	41,468	44,080	2,936	2,739	30,361	28,341	28,754
South Carolina	4,353	4,142	45,427	44,420	46,827	1,539	1,377	13,523	12,245	13,724
Georgia	6,210	8,563	54,050	61,733	57,710	3,717	3,046	33,221	36,726	32,807
Florida	11,211	10,512	116,410	114,730	118,819	7,002	7,002	70,574	69,392	68,342
East South Central	17,487	15,767	154,579	153,625	154,622	8,570	7,935	82,736	78,650	79,808
Kentucky	4,599	4,330	41,464	41,008	43,217	1,902	1,554	20,102	17,933	18,446
Tennessee	6,323	6,057	60,041	57,725	54,407	2,948	3,268	27,682	27,128	26,984
Alabama	4,703	3,474	34,287	35,524	36,898	2,933	2,027	23,022	22,713	21,720
Mississippi	1,862	1,906	18,787	19,368	20,100	787	1,086	11,930	10,876	12,658
West South Central	19,250	24,690	241,592	249,386	241,786	10,748	11,318	119,829	128,426	114,453
Arkansas	2,822	3,130	30,454	32,393	29,745	1,772	1,523	15,308	15,813	14,122
Louisiana	3,316	4,492	30,249	30,632	32,649	---	---	---	---	---
Oklahoma	2,379	2,515	26,777	27,418	27,561	1,578	2,157	20,297	19,977	21,332
Texas ³	10,733	14,553	154,112	158,943	151,831	7,398	7,638	84,224	92,636	78,999
Mountain	17,335	19,439	181,464	206,906	213,916	15,049	16,540	149,512	162,382	73,441
Montana	488	556	6,279	6,352	6,099	351	400	3,582	3,620	3,463
Idaho	998	1,096	12,346	12,121	12,911	530	479	5,713	5,390	5,618
Wyoming	321	419	4,082	4,154	4,133	268	278	2,653	2,732	2,586
Colorado	---	2,268	---	28,911	27,591	---	1,694	---	15,916	15,565
New Mexico ^{4,5}	900	1,009	11,172	11,126	11,076	928	810	8,141	7,325	6,478
Arizona ²	2,820	3,340	29,921	30,919	30,769	2,084	2,153	21,363	20,426	21,252
Utah	1,808	1,854	17,664	16,385	16,110	888	726	8,060	6,973	7,438
Nevada	---	8,897	---	96,938	105,227	---	---	---	---	11,041
Pacific	14,053	17,610	139,862	184,672	282,047	11,961	14,567	120,413	144,742	146,252
Washington	---	4,017	---	43,890	42,922	---	2,093	---	24,521	24,126
Oregon	2,136	1,780	19,873	20,591	20,957	1,385	1,780	13,101	13,136	12,970
California	---	---	---	---	198,005	---	---	---	---	102,393
Alaska	396	410	4,870	5,160	4,902	256	306	3,115	2,870	2,506
Hawaii	1,521	1,403	15,119	15,031	15,261	320	388	4,197	4,215	4,257

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 period, 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 October 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 October			
	1992		1991	
	Number	Rate	Number	Rate
New England	1,824	16.5	1,349	7.0
Maine	---	---	102	6.3
New Hampshire	92	6.0	101	6.2
Vermont	51	6.9	47	6.0
Massachusetts	554	6.2	641	7.3
Rhode Island	127	8.7	95	6.5
Connecticut	---	---	363	7.4
Middle Atlantic	12,442	18.6	5,426	9.3
New York	---	---	2,806	9.5
New Jersey	1,016	8.7	1,042	8.5
Pennsylvania	1,426	8.6	1,578	9.3
East North Central	6,281	9.6	6,529	9.8
Ohio	1,477	8.9	1,516	9.5
Indiana	787	9.4	790	9.3
Illinois	1,985	10.2	2,106	10.8
Michigan	1,513	10.7	1,541	9.9
Wisconsin	519	7.4	576	8.0
West North Central	2,131	8.1	2,265	8.6
Minnesota	455	6.9	497	7.4
Iowa	298	7.6	278	7.7
Missouri	705	9.1	785	10.0
North Dakota	74	8.3	81	8.8
South Dakota	111	9.9	97	8.9
Nebraska	168	7.2	187	7.8
Kansas	320	8.5	340	8.9
South Atlantic	6,529	9.6	7,160	10.4
Delaware	99	9.2	138	12.1
Maryland	697	8.7	702	8.4
District of Columbia	175	18.3	202	19.3
Virginia	833	8.5	972	10.0
West Virginia	200	9.1	205	9.1
North Carolina	1,055	10.2	1,121	11.0
South Carolina	629	11.1	606	10.4
Georgia	1,160	10.5	1,387	12.5
Florida	1,681	8.8	1,827	9.4
East South Central	2,327	9.9	2,367	10.1
Kentucky	439	8.1	470	8.6
Tennessee	720	9.7	711	9.9
Alabama	675	10.7	684	10.6
Mississippi	493	11.5	502	11.5
West South Central	4,013	8.2	4,067	8.4
Arkansas	337	9.7	366	10.5
Louisiana	687	9.3	732	10.1
Oklahoma	419	8.8	474	9.9
Texas ²	2,570	7.8	2,495	7.6
Mountain	1,875	7.7	1,934	7.9
Montana	104	8.9	90	7.7
Idaho	128	7.4	152	8.8
Wyoming	56	8.1	52	7.5
Colorado	396	7.3	441	8.1
New Mexico	249	8.8	252	9.1
Arizona	588	8.7	562	8.2
Utah	216	5.8	222	6.2
Nevada	138	6.2	163	7.1
Pacific	14,783	17.1	5,865	7.7
Washington	---	---	567	7.7
Oregon	314	7.4	320	7.4
California ³	4,239	7.1	4,747	7.7
Alaska	100	8.4	97	8.5
Hawaii	130	6.5	134	6.7

¹Excludes figures for State shown below as not available.²Beginning with data for February 1991, figures include adjustments for varying length of reporting period, see Technical notes.³Figures for all years include adjustments for varying length of reporting period, 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, September 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with September 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	September		January–September				12 months ending with September					
	1992		1991		1992		1991		1992		1991	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All races, both sexes¹												
All ages	169,000	803.6	165,000	791.7	1,635,000	853.7	1,617,000	854.4	2,183,000	854.0	2,149,000	850.3
Under 1 year					26,200	² 852.8	27,600	² 904.0	35,000	² 860.6	37,000	² 899.9
1–4 years	4,130	88.8	4,090	89.1	5,390	46.4	5,690	49.9	6,940	44.8	7,160	47.0
5–14 years					6,440	23.4	6,530	24.1	8,630	23.5	8,500	23.5
15–24 years	2,990	103.4	3,290	113.0	26,550	100.5	28,200	106.3	35,780	101.3	36,640	103.3
25–34 years	4,820	137.6	4,970	139.6	43,120	134.2	44,920	138.3	57,730	134.3	59,490	137.0
35–44 years	7,830	238.1	6,930	213.6	69,730	233.6	64,850	221.8	92,780	233.0	86,210	221.2
45–54 years	9,530	416.2	8,730	402.8	92,890	452.4	88,870	456.6	123,810	453.3	118,110	455.1
55–64 years	19,120	1,099.0	19,210	1,096.8	183,350	1,152.8	185,750	1,163.7	245,610	1,155.8	247,510	1,159.6
65–74 years	37,270	2,412.7	37,600	2,448.7	357,670	2,542.4	360,050	2,586.2	476,720	2,538.7	477,480	2,567.5
75–84 years	47,260	5,512.2	44,880	5,336.1	459,970	5,919.2	451,720	5,947.3	612,860	5,913.4	601,990	5,938.0
85 years and over	36,120	12,655.5	35,490	12,990.2	363,240	14,151.2	351,890	14,371.3	486,270	14,218.4	467,890	14,330.5
Not stated	100	...	100	...	600	...	670	...	920	...	960	...
Age-adjusted rate ³ . . . . .	...	478.6	...	475.1	...	503.2	...	509.0	...	503.6	...	506.1
All races, male¹												
All ages	87,620	852.4	85,080	835.4	844,370	903.3	836,960	907.1	1,130,790	906.5	1,111,740	902.6
Under 1 year					14,500	² 923.5	15,860	² 1,013.1	19,490	² 936.1	21,140	² 1,005.7
1–4 years	2,460	103.3	2,350	99.9	3,080	52.0	3,020	51.7	3,920	49.4	3,880	49.8
5–14 years					4,040	28.7	4,010	28.9	5,340	28.4	5,200	28.0
15–24 years	2,280	155.4	2,440	165.6	20,300	151.4	21,410	159.4	27,200	151.9	27,800	155.1
25–34 years	3,340	190.3	3,650	204.7	31,910	198.3	32,940	202.7	42,440	197.1	43,520	200.4
35–44 years	5,620	344.7	4,790	298.2	48,170	325.5	44,530	307.9	64,370	326.2	58,980	306.0
45–54 years	6,000	537.9	5,220	494.8	58,970	589.7	56,350	594.9	78,640	591.1	74,520	590.3
55–64 years	11,850	1,434.1	11,640	1,401.6	111,610	1,478.2	114,240	1,510.3	149,390	1,481.0	151,300	1,495.8
65–74 years	21,190	3,061.9	21,690	3,158.9	204,930	3,254.1	206,040	3,312.4	274,560	3,266.2	273,260	3,289.1
75–84 years	22,920	6,935.1	21,740	6,754.4	226,580	7,583.8	222,010	7,653.2	303,070	7,609.1	296,970	7,673.6
85 years and over	11,910	14,872.3	11,500	15,093.5	119,870	16,666.8	116,130	16,999.3	161,760	16,885.2	154,600	16,970.4
Not stated	50	...	60	...	400	...	400	...	600	...	570	...
Age-adjusted rate ³ . . . . .	...	618.2	...	609.4	...	650.5	...	659.8	...	652.5	...	655.4
All races, female¹												
All ages	81,560	757.2	80,200	750.2	790,770	806.8	779,820	804.4	1,052,280	804.4	1,037,170	800.8
Under 1 year					11,680	² 779.4	11,780	² 788.8	15,520	² 781.5	15,830	² 789.5
1–4 years	1,670	73.6	1,740	77.7	2,310	40.7	2,670	47.9	3,030	40.0	3,280	44.1
5–14 years					2,400	17.9	2,510	19.0	3,280	18.3	3,300	18.7
15–24 years	710	49.8	840	58.4	6,250	47.9	6,780	51.7	8,580	49.3	8,840	50.4
25–34 years	1,480	84.7	1,320	74.3	11,210	69.9	11,980	73.8	15,290	71.3	15,970	73.6
35–44 years	2,210	133.3	2,150	131.3	21,560	143.1	20,320	137.7	28,410	141.4	27,240	138.3
45–54 years	3,530	300.6	3,510	315.5	33,920	321.9	32,520	325.5	45,170	322.3	43,590	327.1
55–64 years	7,280	797.0	7,570	822.1	71,740	858.8	71,510	851.7	96,220	862.0	96,210	856.8
65–74 years	16,080	1,885.6	15,910	1,874.1	152,730	1,965.8	154,010	2,000.0	202,160	1,948.9	204,220	1,984.8
75–84 years	24,340	4,619.6	23,130	4,455.6	233,400	4,879.1	229,710	4,893.3	309,790	4,854.9	305,010	4,866.1
85 years and over	24,210	11,790.9	23,990	12,176.8	243,370	13,168.7	235,760	13,353.6	324,510	13,180.7	313,280	13,308.4
Not stated	50	...	40	...	200	...	270	...	310	...	390	...
Age-adjusted rate ³ . . . . .	...	360.9	...	363.0	...	380.6	...	384.2	...	380.0	...	383.0
White												
All ages	144,890	824.4	142,410	814.9	1,407,010	879.2	1,396,150	880.5	1,879,200	879.7	1,860,110	878.2
Under 1 year					16,900	² 699.6	18,110	² 748.7	22,630	² 707.2	24,780	² 763.4
1–4 years	2,920	79.1	2,690	73.5	3,750	40.8	3,940	43.5	4,780	38.9	5,050	41.6
5–14 years					4,780	21.8	4,750	21.9	6,340	21.7	6,330	21.9
15–24 years	2,110	90.7	2,320	98.7	18,500	87.0	20,440	95.2	25,270	88.8	26,690	93.0
25–34 years	3,350	115.4	3,600	121.6	30,520	114.5	32,210	119.2	40,700	114.1	42,530	117.6
35–44 years	5,660	203.5	5,030	182.6	50,510	199.8	47,490	191.1	67,260	199.4	63,590	191.9
45–54 years	7,630	387.1	6,730	361.1	72,650	411.1	69,720	416.6	96,560	410.8	92,920	416.4
55–64 years	15,600	1,036.6	15,650	1,029.6	150,490	1,092.5	153,530	1,107.0	201,720	1,095.8	205,450	1,107.4
65–74 years	31,980	2,337.9	32,890	2,412.3	310,860	2,493.1	313,170	2,531.5	414,010	2,487.0	416,290	2,518.4
75–84 years	42,490	5,491.3	40,880	5,381.7	413,820	5,899.1	407,840	5,942.6	551,680	5,898.0	543,680	5,934.7
85 years and over	33,070	12,816.2	32,530	13,157.6	333,770	14,380.4	324,370	14,633.9	447,370	14,468.6	432,010	14,614.7
Not stated	80	...	80	...	440	...	570	...	680	...	790	...
Age-adjusted rate ³ . . . . .	...	454.0	...	451.2	...	478.1	...	485.2	...	478.4	...	483.9

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, September 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with September 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	September				January–September				12 months ending with September			
	1992		1991		1992		1991		1992		1991	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
White male												
All ages	74,320	862.7	72,680	849.2	719,240	917.2	716,010	922.4	963,640	920.7	953,380	919.8
Under 1 year					9,370	² 757.4	10,450	² 842.8	12,710	² 774.5	14,280	² 857.7
1–4 years	1,790	94.6	1,600	85.3	2,190	46.2	2,150	46.2	2,750	43.7	2,820	45.3
5–14 years					3,030	26.8	2,930	26.3	3,970	26.4	3,870	26.1
15–24 years	1,590	134.4	1,740	145.9	14,020	129.5	15,370	141.2	19,070	131.9	20,010	137.6
25–34 years	2,290	156.0	2,610	174.5	23,080	171.2	23,800	174.3	30,420	168.7	31,480	172.4
35–44 years	4,180	299.7	3,500	253.6	35,710	281.8	32,980	265.1	47,720	282.2	43,880	264.6
45–54 years	4,730	487.2	4,090	446.0	46,440	533.8	44,450	540.0	61,780	533.8	58,710	534.9
55–64 years	9,830	1,364.8	9,560	1,316.5	92,660	1,406.3	95,320	1,439.8	123,920	1,407.5	127,110	1,435.3
65–74 years	18,400	2,991.1	19,120	3,124.6	179,080	3,195.8	180,650	3,256.1	239,730	3,204.9	239,730	3,234.3
75–84 years	20,600	6,904.4	19,860	6,833.4	203,880	7,558.9	201,080	7,676.8	273,240	7,598.4	269,100	7,699.6
85 years and over	10,870	15,208.0	10,560	15,516.9	109,480	17,055.0	106,500	17,450.8	147,880	17,295.9	141,950	17,438.6
Not stated	40	...	50	...	290	...	330	...	450	...	440	...
Age-adjusted rate ³ . . . . .	...	586.3	...	580.1	...	618.3	...	629.3	...	620.3	...	626.7
White female												
All ages	70,570	787.6	69,730	782.0	687,760	842.7	680,140	840.4	915,560	840.4	906,720	838.4
Under 1 year					7,530	² 639.6	7,660	² 651.2	9,920	² 636.3	10,500	² 664.1
1–4 years	1,130	62.9	1,090	61.2	1,570	35.2	1,800	40.4	2,030	33.9	2,230	37.7
5–14 years					1,760	16.5	1,830	17.4	2,380	16.7	2,460	17.5
15–24 years	520	45.5	590	51.0	4,480	42.9	5,070	47.9	6,190	44.2	6,680	47.2
25–34 years	1,060	73.9	980	67.0	7,450	56.5	8,410	62.7	10,270	58.3	11,050	61.7
35–44 years	1,470	106.1	1,530	111.3	14,800	117.4	14,510	117.0	19,530	116.1	19,720	119.1
45–54 years	2,910	291.0	2,640	278.8	26,200	292.1	25,270	297.1	34,780	291.5	34,210	301.6
55–64 years	5,770	735.3	6,100	768.4	57,830	804.9	58,210	803.0	77,810	810.2	78,340	808.0
65–74 years	13,580	1,804.1	13,770	1,832.4	131,780	1,919.4	132,520	1,942.1	174,280	1,901.2	176,560	1,936.4
75–84 years	21,890	4,604.4	21,030	4,484.1	209,940	4,862.2	206,770	4,873.0	278,640	4,836.7	274,580	4,846.1
85 years and over	22,200	11,899.8	21,970	12,261.5	224,280	13,358.0	217,870	13,563.1	299,500	13,388.5	290,060	13,541.5
Not stated	40	...	30	...	150	...	240	...	230	...	350	...
Age-adjusted rate ³ . . . . .	...	342.5	...	344.4	...	361.3	...	366.1	...	360.7	...	366.3
Black												
All ages	21,010	791.6	20,630	789.5	202,260	839.8	197,410	835.5	269,730	839.7	259,260	822.4
Under 1 year					8,340	² 1,628.0	8,730	² 1,738.2	11,160	² 1,643.6	11,180	² 1,658.8
1–4 years	1,010	136.6	1,310	180.9	1,380	74.3	1,550	86.4	1,820	73.5	1,840	76.8
5–14 years					1,390	32.4	1,480	34.6	1,960	34.0	1,820	32.1
15–24 years	760	173.9	830	190.3	6,950	174.1	6,900	173.6	9,200	172.9	8,820	166.5
25–34 years	1,320	287.6	1,290	279.2	11,340	270.2	11,430	272.2	15,250	271.9	15,240	272.1
35–44 years	1,890	500.9	1,740	477.4	17,220	506.4	15,780	482.8	22,960	506.4	20,560	473.5
45–54 years	1,700	721.9	1,790	791.6	18,050	850.6	17,300	848.6	24,300	860.5	22,820	839.6
55–64 years	3,050	1,689.1	3,240	1,804.9	29,320	1,784.1	28,960	1,777.9	39,210	1,787.1	38,080	1,750.0
65–74 years	4,530	3,279.9	4,210	3,104.3	41,440	3,307.0	42,080	3,434.3	55,460	3,319.0	55,100	3,370.0
75–84 years	4,140	6,401.5	3,550	5,573.1	40,690	6,925.4	38,970	6,768.6	53,830	6,857.3	51,960	6,748.1
85 years and over	2,580	11,614.8	2,650	12,448.5	25,980	13,007.0	24,140	12,638.9	34,370	12,921.1	31,680	12,423.5
Not stated	20	...	20	...	150	...	90	...	210	...	150	...
Age-adjusted rate ³ . . . . .	...	699.6	...	704.0	...	740.7	...	742.2	...	741.8	...	730.0
Black male												
All ages	11,340	898.3	11,050	890.5	110,230	962.7	107,330	957.1	147,510	966.0	141,120	944.0
Under 1 year					4,630	² 1,780.3	4,980	² 1,953.7	6,130	² 1,782.0	6,270	² 1,833.3
1–4 years	560	148.7	700	190.0	720	76.1	790	85.4	950	75.3	920	75.5
5–14 years					860	39.0	930	43.1	1,180	40.2	1,160	40.2
15–24 years	590	271.5	610	282.5	5,460	275.9	5,410	275.6	7,130	269.8	6,940	265.5
25–34 years	930	427.7	950	435.0	7,980	401.0	8,110	408.6	10,790	406.4	10,720	406.2
35–44 years	1,230	710.2	1,200	719.2	11,210	717.9	10,530	705.6	15,010	722.0	13,790	695.4
45–54 years	1,120	1,065.8	1,030	1,021.3	11,100	1,174.7	10,790	1,186.8	14,980	1,188.9	14,370	1,184.7
55–64 years	1,750	2,137.1	1,910	2,344.9	16,990	2,280.4	17,060	2,307.6	22,930	2,304.5	22,010	2,227.7
65–74 years	2,370	3,950.0	2,260	3,851.1	22,830	4,199.6	22,580	4,262.7	30,680	4,231.7	29,950	4,242.2
75–84 years	1,920	7,886.9	1,600	6,689.6	19,580	8,864.0	18,080	8,364.6	25,750	8,728.8	24,240	8,387.5
85 years and over	860	13,115.0	770	12,166.7	8,780	14,870.8	7,990	14,003.8	11,840	14,987.3	10,640	14,000.0
Not stated	10	...	10	...	100	...	70	...	140	...	120	...
Age-adjusted rate ³ . . . . .	...	910.3	...	907.1	...	973.4	...	972.4	...	977.0	...	958.5

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, September 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with September 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	September				January–September				12 months ending with September			
	1992		1991		1992		1991		1992		1991	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Black female												
All ages	9,670	694.8	9,580	698.3	92,030	728.3	90,080	725.8	122,220	725.2	118,140	712.8
Under 1 year	} 450	124.0	610	171.5	3,710	² 1,467.3	3,740	² 1,516.1	5,020	² 1,498.5	4,910	² 1,478.9
1–4 years					660	71.3	760	85.1	880	72.4	920	78.2
5–14 years					530	25.0	550	26.4	770	27.2	660	23.7
15–24 years	180	81.9	230	104.5	1,490	74.3	1,490	73.8	2,070	77.3	1,880	70.1
25–34 years	390	161.4	340	139.6	3,370	152.5	3,320	150.2	4,450	150.7	4,530	152.9
35–44 years	660	323.4	540	273.3	6,020	326.7	5,250	296.3	7,950	323.8	6,780	287.4
45–54 years	590	452.4	750	598.7	6,950	591.1	6,510	577.8	9,320	595.9	8,450	561.5
55–64 years	1,310	1,327.4	1,330	1,356.4	12,330	1,373.0	11,900	1,337.7	16,280	1,357.8	16,070	1,352.7
65–74 years	2,150	2,752.4	1,950	2,534.7	18,610	2,620.3	19,500	2,801.2	24,790	2,620.5	25,150	2,707.2
75–84 years	2,220	5,504.9	1,950	4,901.9	21,110	5,755.5	20,890	5,799.6	28,080	5,730.6	27,720	5,763.0
85 years and over	1,730	11,050.3	1,880	12,567.8	17,210	12,239.1	16,150	12,048.5	22,540	12,053.5	21,040	11,754.2
Not stated	10	...	10	...	50	...	20	...	70	...	30	...
Age-adjusted rate ³ . . . . .	...	530.5	...	537.2	...	555.3	...	557.1	...	554.5	...	547.5

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.

³ For 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 Maryland, which is not included in the sample for July–September 1992.

Table 6. Provisional number of deaths and death rates for 72 selected causes and Human immunodeficiency virus infection: United States, September 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with September 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)	September		September		January–September		January–September		12 months ending with September		12 months ending with September		
	1992		1991		1992		1991		1992		1991		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
All causes	169,000	803.6	165,000	791.7	1,635,000	853.7	1,617,000	854.4	2,183,000	854.0	2,149,000	850.3	
Shigellosis and amebiasis . . . . .	.004,006	—	*	*	—	*	20	*	—	*	20	*	
Certain other intestinal infections . . . . .	.007–009	50	*	30	*	590	0.3	500	0.3	750	0.3	600	0.2
Tuberculosis . . . . .	.010–018	80	*	110	0.5	1,020	0.5	1,250	0.7	1,400	0.5	1,600	0.6
Tuberculosis of respiratory system . . . . .	.010–012	60	*	70	*	790	0.4	920	0.5	1,070	0.4	1,190	0.5
Other tuberculosis . . . . .	.013–018	20	*	40	*	230	0.1	320	0.2	330	0.1	410	0.2
Whooping cough . . . . .	.033	10	*	—	*	10	*	—	*	10	*	—	*
Streptococcal sore throat, scarlatina, and erysipelas . . . . .	.034–035	—	*	—	*	—	*	10	*	—	*	10	*
Meningococcal infection . . . . .	.036	20	*	10	*	150	0.1	210	0.1	200	0.1	290	0.1
Septicemia . . . . .	.038	1,320	6.3	1,310	6.3	14,970	7.8	14,240	7.5	20,150	7.9	19,020	7.5
Acute poliomyelitis . . . . .	.045	—	*	—	*	—	*	10	*	—	*	10	*
Measles . . . . .	.055	—	*	—	*	—	*	20	*	—	*	20	*
Viral hepatitis . . . . .	.070	120	0.6	160	0.8	1,270	0.7	1,480	0.8	1,720	0.7	1,870	0.7
Syphilis . . . . .	.090–097	10	*	20	*	70	*	100	*	100	*	140	0.1
All other infectious and parasitic diseases [†]001–003,005,020–032,037,039–041,*042–*044,046–054,056–066,071–088,098–139	3,490	16.6	2,550	12.2	28,770	15.0	25,650	13.5	38,130	14.9	33,390	13.2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues . . . . .	.140–208	42,930	203.9	41,730	199.9	389,740	203.5	385,760	203.8	520,220	203.6	512,660	202.9
Malignant neoplasms of lip, oral cavity, and pharynx . . . . .	.140–149	670	3.2	570	2.7	5,880	3.1	5,650	3.0	7,770	3.0	7,480	3.0
Malignant neoplasms of digestive organs and peritoneum . . . . .	.150–159	9,940	47.2	9,640	46.2	91,500	47.8	89,830	47.5	121,830	47.7	120,880	47.8
Malignant neoplasms of respiratory and intrathoracic organs . . . . .	.160–165	12,860	61.1	12,140	58.1	113,130	59.1	110,170	58.2	151,510	59.3	145,960	57.8
Malignant neoplasm of breast . . . . .	.174–175	3,290	15.6	3,360	16.1	33,270	17.4	33,570	17.7	44,070	17.2	45,000	17.8
Malignant neoplasms of genital organs . . . . .	.179–187	4,860	23.1	4,870	23.3	44,020	23.0	44,460	23.5	58,830	23.0	58,980	23.3
Malignant neoplasms of urinary organs . . . . .	.188–189	1,860	8.8	1,620	7.8	16,890	8.8	15,870	8.4	21,950	8.6	21,040	8.3
Malignant neoplasms of all other and unspecified sites . . . . .	.170–173,190–199	5,210	24.7	5,380	25.8	46,820	24.4	48,250	25.5	62,890	24.6	63,300	25.0
Leukemia . . . . .	.204–208	1,700	8.1	1,520	7.3	14,400	7.5	14,620	7.7	19,370	7.6	19,220	7.6
Other malignant neoplasms of lymphatic and hematopoietic tissues . . . . .	.200–203	2,530	12.0	2,630	12.6	23,820	12.4	23,340	12.3	32,010	12.5	30,810	12.2
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature . . . . .	.210–239	680	3.2	660	3.2	5,670	3.0	5,900	3.1	7,640	3.0	7,710	3.1
Diabetes mellitus . . . . .	.250	4,140	19.7	3,750	18.0	38,450	20.1	37,060	19.6	51,250	20.1	49,520	19.6
Nutritional deficiencies . . . . .	.260–269	230	1.1	260	1.2	2,210	1.1	2,300	1.2	3,070	1.2	3,050	1.2
Anemias . . . . .	.280–285	310	1.5	340	1.6	2,970	1.5	2,960	1.6	4,150	1.6	4,020	1.6
Meningitis . . . . .	.320–322	40	*	20	*	560	0.3	530	0.3	760	0.3	780	0.3
Major cardiovascular diseases . . . . .	.390–448	68,070	323.4	67,870	325.1	683,500	356.9	678,690	358.7	913,600	357.5	906,210	358.6
Diseases of heart . . . . .	.390–398,402,404–429	53,160	252.5	52,960	253.7	539,230	281.6	534,470	282.5	720,300	281.9	713,000	282.2
Rheumatic fever and rheumatic heart disease . . . . .	.390–398	420	2.0	460	2.2	4,440	2.3	4,690	2.5	5,750	2.3	6,290	2.5
Hypertensive heart disease . . . . .	.402	1,850	8.8	1,590	7.6	16,330	8.5	16,100	8.5	21,650	8.5	21,170	8.4
Hypertensive heart and renal disease . . . . .	.404	140	0.7	110	0.5	1,670	0.9	1,570	0.8	2,140	0.8	2,070	0.8
Ischemic heart disease . . . . .	.410–414	35,950	170.8	35,220	168.7	359,290	187.6	356,810	188.6	480,170	187.9	477,350	188.9
Acute myocardial infarction . . . . .	.410	16,800	79.8	17,860	85.6	172,070	89.9	173,890	91.9	231,400	90.5	233,070	92.2
Other acute and subacute forms of ischemic heart disease . . . . .	.411	240	1.1	250	1.2	2,180	1.1	2,230	1.2	3,000	1.2	3,060	1.2
Angina pectoris . . . . .	.413	80	*	70	*	740	0.4	690	0.4	950	0.4	830	0.3
Old myocardial infarction and other forms of chronic ischemic heart disease . . . . .	.412,414	18,830	89.5	17,040	81.6	184,300	96.2	180,000	95.1	244,820	95.8	240,400	95.1
Other diseases of endocardium . . . . .	.424	1,040	4.9	810	3.9	11,110	5.8	10,140	5.4	14,480	5.7	13,220	5.2
All other forms of heart disease . . . . .	.415–423,425–429	13,770	65.4	14,770	70.7	146,390	76.4	145,160	76.7	196,100	76.7	192,890	76.3
Hypertension with or without renal disease . . . . .	.401,403	840	4.0	510	2.4	7,350	3.8	6,300	3.3	9,610	3.8	8,690	3.4
Cerebrovascular diseases . . . . .	.430–438	10,900	51.8	11,020	52.8	106,990	55.9	106,710	56.4	143,060	56.0	142,470	56.4
Intracerebral and other intracranial hemorrhage . . . . .	.431–432	1,550	7.4	1,810	8.7	15,520	8.1	14,980	7.9	20,960	8.2	20,010	7.9
Cerebral thrombosis and unspecified occlusion of cerebral arteries . . . . .	.434,0,434.9	1,090	5.2	1,280	6.1	11,270	5.9	13,330	7.0	15,390	6.0	17,540	6.9
Cerebral embolism . . . . .	.434.1	60	*	40	*	540	0.3	530	0.3	700	0.3	740	0.3
All other and late effects of cerebrovascular diseases . . . . .	.430,433,435–438	8,210	39.0	7,900	37.8	79,660	41.6	77,870	41.1	106,020	41.5	104,170	41.2

Atherosclerosis . . . . .	.440	1,230	5.8	1,330	6.4	11,970	6.2	12,750	6.7	16,260	6.4	16,910	6.7
Other diseases of arteries, arterioles, and capillaries . . . . .	.441-448	1,930	9.2	2,060	9.9	17,960	9.4	18,450	9.7	24,360	9.5	25,150	10.0
Acute bronchitis and bronchiolitis . . . . .	.466	40	*	30	*	360	0.2	430	0.2	510	0.2	500	0.2
Pneumonia and influenza . . . . .	.480-487	5,000	23.7	4,900	23.5	58,570	30.6	56,450	29.8	77,040	30.1	74,480	29.5
Pneumonia . . . . .	.480-486	4,980	23.7	4,880	23.4	57,460	30.0	55,900	29.5	75,490	29.5	73,830	29.2
Influenza . . . . .	.487	20	*	20	*	1,110	0.6	550	0.3	1,550	0.6	640	0.3
Chronic obstructive pulmonary diseases and allied conditions . . . . .	.490-496	6,120	29.1	6,240	29.9	69,360	36.2	67,550	35.7	90,570	35.4	87,080	34.5
Bronchitis, chronic and unspecified . . . . .	.490-491	260	1.2	310	1.5	2,980	1.6	2,880	1.5	3,850	1.5	3,590	1.4
Emphysema . . . . .	.492	1,270	6.0	1,130	5.4	12,580	6.6	12,300	6.5	16,800	6.6	15,550	6.2
Asthma . . . . .	.493	380	1.8	360	1.7	3,650	1.9	3,420	1.8	4,750	1.9	4,300	1.7
Other chronic obstructive pulmonary diseases and allied conditions . . . . .	.494-496	4,210	20.0	4,440	21.3	50,140	26.2	48,960	25.9	65,170	25.5	63,640	25.2
Ulcer of stomach and duodenum . . . . .	.531-533	520	2.5	490	2.3	4,470	2.3	4,670	2.5	5,910	2.3	6,040	2.4
Appendicitis . . . . .	.540-543	30	*	10	*	270	0.1	380	0.2	360	0.1	500	0.2
Hernia of abdominal cavity and intestinal obstruction without mention of hernia . . . . .	.550-553,560	520	2.5	550	2.6	4,280	2.2	4,370	2.3	5,700	2.2	5,730	2.3
Chronic liver disease and cirrhosis . . . . .	.571	2,060	9.8	1,910	9.1	18,690	9.8	18,430	9.7	24,950	9.8	24,750	9.8
Cholelithiasis and other disorders of gallbladder . . . . .	.574-575	230	1.1	250	1.2	2,350	1.2	2,340	1.2	3,030	1.2	3,190	1.3
Nephritis and nephrotic syndrome, and nephrosis . . . . .	.580-589	1,870	8.9	1,620	7.8	17,100	8.9	16,630	8.8	23,350	9.1	22,060	8.7
Acute glomerulonephritis and nephrotic syndrome . . . . .	.580-581	20	*	20	*	230	0.1	230	0.1	300	0.1	310	0.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified . . . . .	.582-583,587	80	*	70	*	1,090	0.6	1,030	0.5	1,520	0.6	1,370	0.5
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause . . . . .	.584-586,588-589	1,770	8.4	1,530	7.3	15,780	8.2	15,370	8.1	21,530	8.4	20,370	8.1
Infections of kidney . . . . .	.590	70	*	50	*	840	0.4	960	0.5	1,130	0.4	1,170	0.5
Hyperplasia of prostate . . . . .	.600	20	*	-	*	260	0.1	280	0.1	320	0.1	340	0.1
Complications of pregnancy, childbirth, and the puerperium . . . . .	.630-676	40	*	30	*	170	0.1	200	0.1	270	0.1	290	0.1
Pregnancy with abortive outcome . . . . .	.630-638	10	*	10	*	20	*	60	*	20	*	70	*
Other complications of pregnancy, childbirth, and the puerperium . . . . .	.640-676	30	*	20	*	150	0.1	140	0.1	250	0.1	220	0.1
Congenital anomalies . . . . .	.740-759	990	4.7	900	4.3	9,530	5.0	9,000	4.8	12,310	4.8	12,310	4.9
Certain conditions originating in the perinatal period . . . . .	.760-779	1,260	6.0	1,500	7.2	11,770	6.1	12,770	6.7	15,540	6.1	17,100	6.8
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome . . . . .	.767-769	270	1.3	240	1.1	2,400	1.3	2,620	1.4	3,040	1.2	3,570	1.4
Other conditions originating in the perinatal period . . . . .	.760-766,770-779	990	4.7	1,260	6.0	9,370	4.9	10,150	5.4	12,500	4.9	13,530	5.4
Symptoms, signs, and ill-defined conditions . . . . .	.780-799	2,660	12.6	2,880	13.8	26,710	13.9	25,420	13.4	36,370	14.2	33,960	13.4
All other diseases . . . . .	.Residual	14,120	67.1	13,060	62.6	133,580	69.7	130,310	68.9	179,460	70.2	173,730	68.8
Accidents and adverse effects . . . . .	.E800-E949	7,180	34.1	7,520	36.0	63,660	33.2	66,850	35.3	85,700	33.5	89,070	35.2
Motor vehicle accidents . . . . .	.E810-E825	3,630	17.2	3,820	18.3	30,550	15.9	32,940	17.4	41,590	16.3	44,820	17.7
All other accidents and adverse effects . . . . .	.E800-E807,E826-E949	3,550	16.9	3,700	17.7	33,110	17.3	33,900	17.9	44,110	17.3	44,250	17.5
Suicide . . . . .	.E950-E959	2,420	11.5	2,150	10.3	21,990	11.5	22,130	11.7	28,960	11.3	28,540	11.3
Homicide and legal intervention . . . . .	.E960-E978	2,260	10.7	2,240	10.7	19,660	10.3	19,520	10.3	26,340	10.3	25,180	10.0
All other external causes . . . . .	.E980-E999	250	1.2	140	0.7	1,580	0.8	1,420	0.7	2,070	0.8	1,980	0.8
Human immunodeficiency virus infection ²	*042-*044	2,980	14.2	2,150	10.3	23,760	12.4	21,100	11.1	31,480	12.3	27,410	10.8

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 Maryland, which is not included in the sample for July-September 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, September 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with September 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)	September		January–September				12 months ending with September					
	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	42,930	203.9	41,730	199.9	389,740	203.5	385,760	203.8	520,220	203.6	512,660	202.9
Malignant neoplasm of esophagus150	950	4.5	780	3.7	8,070	4.2	7,670	4.0	10,250	4.0	9,960	3.9
Malignant neoplasm of stomach151	1,020	4.8	1,290	6.2	9,950	5.2	10,820	5.7	13,530	5.3	14,530	5.7
Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus153,154	4,570	21.7	4,490	21.5	42,950	22.4	41,220	21.8	57,370	22.4	55,510	22.0
Malignant neoplasm of pancreas157	2,060	9.8	1,890	9.1	19,210	10.0	19,260	10.2	25,410	9.9	25,950	10.3
Malignant neoplasms of trachea, bronchus, and lung162	12,360	58.7	11,690	56.0	109,440	57.1	106,310	56.2	146,410	57.3	140,890	55.8
Malignant melanoma of skin172	580	2.7	490	2.3	5,200	2.7	5,370	2.8	6,880	2.7	6,770	2.7
Malignant neoplasm of cervix uteri180	350	1.7	360	1.7	3,240	1.7	3,550	1.9	4,350	1.7	4,800	1.9
Malignant neoplasms of body of uterus and of uterus, part unspecified179,182	530	2.5	410	2.0	4,960	2.6	4,340	2.3	6,320	2.5	5,790	2.3
Malignant neoplasm of ovary183.0	970	4.6	1,180	5.6	9,310	4.9	9,870	5.2	12,530	4.9	12,830	5.1
Malignant neoplasm of prostate185	2,840	13.5	2,760	13.2	25,080	13.1	25,280	13.3	33,720	13.2	33,870	13.4
Malignant neoplasm of bladder188	890	4.2	790	3.8	8,440	4.4	7,770	4.1	10,970	4.3	10,470	4.1
Malignant neoplasms of kidney and other and unspecified urinary organs189	970	4.6	820	3.9	8,460	4.4	8,090	4.3	10,970	4.3	10,560	4.2
Malignant neoplasms of brain and other and unspecified parts of nervous system191,192	870	4.1	970	4.6	7,740	4.0	8,410	4.4	10,820	4.2	11,000	4.4
Hodgkin's disease201	80	*	170	0.8	1,220	0.6	1,230	0.6	1,730	0.7	1,620	0.6
Malignant lymphoma other than Hodgkin's disease200,202	1,790	8.5	1,660	7.9	15,480	8.1	15,150	8.0	20,700	8.1	20,020	7.9
Multiple myeloma and other immunoproliferative neoplasms203	660	3.1	800	3.8	7,130	3.7	6,960	3.7	9,580	3.7	9,170	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 Maryland, which is not included in the sample for July–September 1992.

Table 8. Provisional number of deaths under 1 year and infant mortality rates, by age and for 10 selected causes: United States, September 1991 and 1992, cumulative figures 1991 and 1992, and 12 months ending with September 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)	September		January–September				12 months ending with September					
	1992		1991		1992		1991		1992		1991	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Total, under 1 year	2,700	796.8	2,900	835.0	26,200	857.8	27,600	898.0	35,000	859.4	37,000	897.2
Under 28 days	1,840	537.2	1,940	555.6	16,680	546.5	17,390	565.1	21,970	539.3	23,270	564.8
28 days to 11 months	890	259.9	980	280.6	9,500	311.3	10,250	333.1	13,050	320.3	13,700	332.5
Certain gastrointestinal diseases008–009,535,555–558	30	*	30	*	300	9.8	260	8.4	360	8.8	310	7.5
Pneumonia and influenza480–487	30	*	30	*	480	15.7	510	16.6	590	14.5	650	15.8
Congenital anomalies740–759	640	186.9	540	154.6	5,770	189.1	5,880	191.1	7,470	183.4	8,090	196.4
Disorders relating to short gestation and unspecified low birthweight765	310	90.5	460	131.7	2,820	92.4	3,520	114.4	3,770	92.5	4,570	110.9
Birth trauma767	10	*	50	*	140	4.6	110	3.6	190	4.7	170	4.1
Intrauterine hypoxia and birth asphyxia768	50	*	70	*	470	15.4	590	19.2	610	15.0	770	18.7
Respiratory distress syndrome769	200	58.4	130	37.2	1,730	56.7	1,880	61.1	2,160	53.0	2,570	62.4
Other conditions originating in the perinatal period760–764,766,770–779	670	195.6	810	232.0	6,420	210.4	6,550	212.8	8,550	209.9	8,720	211.7
Sudden infant death syndrome798.0	240	70.1	330	94.5	2,990	98.0	3,100	100.7	4,310	105.8	4,360	105.8
All other causesResidual	550	160.6	490	140.3	5,060	165.8	5,250	170.6	6,990	171.6	6,750	163.8

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 Maryland, which is not included in the sample for July–September 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 age-adjusted death rates used to produce the State maps were computed by using a 3-year total number of deaths for 1987-89 and the 1988 population estimated as of July 1, 1988 (5). The assignment of the States into the given shadings 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 .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 table. The symbols “†” and “††” shown in the table are used to denote State rates that differ significantly from the U.S. rate at the .05 and .01 levels of significance, respectively. Different procedures were used to determine tests of statistical significance and confidence intervals, depending upon the number of deaths.

For 50 or more deaths, 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 1987-89 for the given State per 100,000 population

R'_{us} = age-adjusted rate for 1987-89 for the U.S. per 100,000 population

$S^2(R'_s)$ = estimated variance of the age-adjusted death rate for 1987-89 for the State

$S^2(R'_{us})$ = estimated variance of the age-adjusted death rate for 1987-89 for the U.S.

The variance of the age-adjusted death rate was computed in terms of the variances of age-specific death rates (6) under the assumption that the age-specific death rates are binomial proportions (7). The 95-percent confidence limits were estimated as follows:

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

and

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

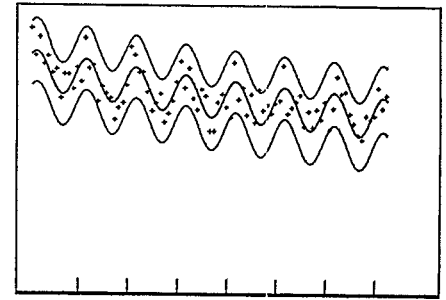
For 1-49 deaths, the lower and upper 95-percent confidence limits were estimated as described elsewhere (8). The difference between the State and U.S. age-adjusted rates was determined to be statistically significant at the .05 or .01 level if their respective 95-percent or 99-percent confidence limits did not overlap.

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Mortality Surveillance System chart topics

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