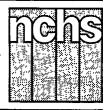
Vol. 42, No. 9 • March 1, 1994

Monthly Vital Statistics Report



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

Births, Marriages, Divorces, and Deaths for September 1993

Mortality Surveillance System

pages 4-7

Motor vehicle accidents: 15–24 years of age by sex 65 years and over by sex

State Maps pages 8 and 9

Motor vehicle accidents by sex

Due to the availability of population estimates that are based on the results of the 1990 census enumeration, provisional rates for 1992 have been recomputed to permit a valid comparison with the 1993 provisional rates. Provisional birth, marriage, divorce, and death rates, along with estimated death rates based on the Current Mortality Sample for 1992 have been recomputed, using revised population estimates based on the 1990 enumerated population. Therefore, all rates shown for 1992 are comparable with those for 1993.

Births

According to provisional reports, an estimated 355,000 births occurred in the

United States during September 1993. This was a decrease of 1 percent from the provisional number of births reported for September 1992 (357,000). The birth rate, 16.7 live births per 1,000 population, was 2 percent lower than the rate of 17.0 for September 1992. The fertility rate, 73.1 live births per 1,000 women aged 15–44 years, was 1 percent lower than the comparable rate for September 1992 (73.7). The seasonally adjusted fertility rate (68.4) was also 1 percent lower than the comparable rate for September 1992 (69.0).

During the first three quarters of 1993, an estimated 3,055,000 births occurred, a slight decrease from the 3,082,000 reported for the first three

Provisional Vital Statistics for the United States

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

		Septem	ber			lanuary–Septe	mber		12 mor	nths ending wi	h Septem	ber
	Nun	nber	Ra	ate	Nun	nber	Ra	ate	Nur	mber	Ra	ate
Item	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992
Live births	355,000	357,000	16.7 73.1	17.0 - 73.7	3,055,000	3,082,000	15.9 69.1	16.2 69.8	4,057,000	4,103,000	15.8 68.7	16.1 69.6
Deaths	174,000	169,000	8.2	8.1	1,698,000	1,635,000	8.8	8.6	2,239,000	2,183,000	8.7	8.6
Infant deaths	2,600	2,700	7.6	8.0	25,200	25,900	8.3	8.5	33,700	34,800	8.4	8.5
Natural increase	181,000	188,000	8.5	8.9	1,357,000	1,447,000	7.1	7.6	1,818,000	1,920,000	7.1	7.5
Marriages	221,000	227,000	10.4	10.8	1,772,000	1,782,000	9.2	9.3	2,351,000	2,360,000	9.1	9.3
Divorces	101,000	99,000	4.7	4.7	898,000	914,000	4.7	4.8	1,199,000	1,203,000	4.7	4.7
Population base (in millions)	•••		258.4	255.6					• • •		257.2	254.3

NOTES: Figures include all revisions received from the States. Twelve-month figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published. Rates for 1992 (except infant mortality) have been recomputed based on revised population estimates; see Technical notes.





quarters of the previous year. The birth rate during this period declined by 2 percent from 16.2 in 1992 to 15.9 in 1993.

An estimated 4,057,000 live births occurred in the 12-month period ending with September 1993, a decline of 1 percent from the 4,103,000 births reported for the same period a year earlier. The birth rate of 15.8 was 2 percent lower than the rate of 16.1 for the preceding 12 months. The fertility rate for the most recent 12-month period was 68.7, 1 percent lower than the rate for the 12 months ending with September 1992 (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 181,000 people, or 8.5 persons per 1,000 population, were added to the population during September 1993.

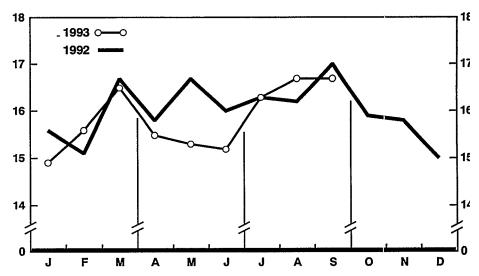
For the 12-month period ending with September 1993, 1,818,000 persons were added to the population. This represents a rate of natural increase of 7.1, 5 percent lower than the rate of 7.5 for the preceding 12-month period. The decline in the rate of natural increase is due to a decrease in the birth rate and an increase in the death rate.

Marriages

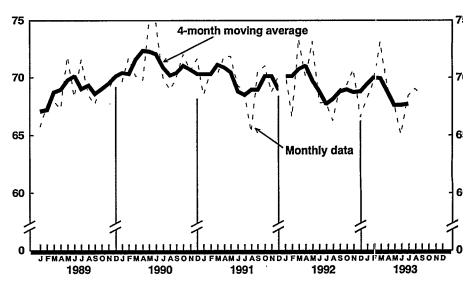
Marriages performed in September 1993 numbered 221,000, 3 percent fewer than in September 1992 (227,000). The marriage rate per 1,000 population for September was 4 percent lower in 1993 (10.4) than in 1992 (10.8).

For the first three quarters of 1993, 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 the period dropped from 1,782,000 in 1992 to 1,772,000 in 1993 while the marriage rate declined from 9.3 to 9.2.

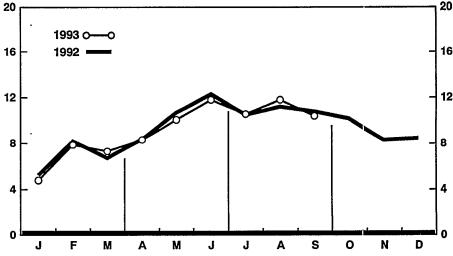
For the 12-month period ending with September 1993, the number of marriages totaled 2,351,000, a slight decline from the same period of the previous year (2,360,000). The marriage rate was 9.1, 2 percent lower than the rate for the 12 months ending with September 1992



Provisional birth rates per 1,000 population by month: United States, 1992-93



Provisional seasonally adjusted fertility rates per 1,000 women aged 15-44 years: United States, 1989–93



Provisional marriage rates per 1,000 population by month: United States, 1992–93

Divorces

An estimated 101,000 divorces were granted in September 1993, a 2-percent increase compared with September 1992 (99,000). The divorce rate per 1,000 population for September was 4.7 for both years.

Despite the increase in the number of divorces for September 1993, the cumulative number of divorces for January—September was 2 percent lower in 1993 (898,000) than in 1992 (914,000). The divorce rate for this 9-month period was 4.7 in 1993, also 2 percent lower than in 1992 (4.8).

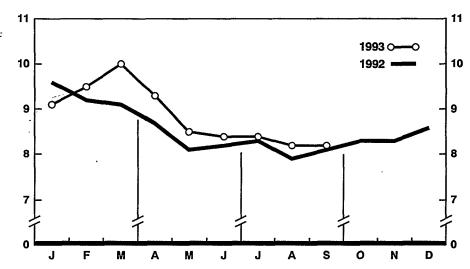
The number of divorces granted during the 12 months ending with September 1993 (1,199,000) was almost the same as for the comparable period a year earlier (1,203,000). The divorce rate for the period remained unchanged at 4.7.

Deaths

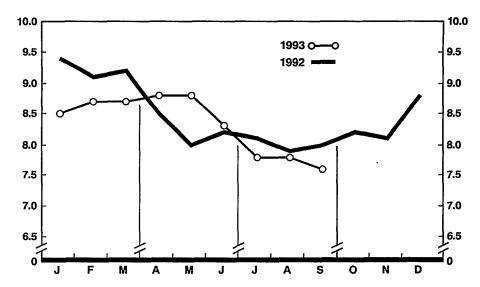
For September 1993 there were an estimated 174,000 deaths in the United States. The death rate was 8.2 deaths per 1,000 population, 1 percent higher than the rate for September a year earlier. Among the 174,000 deaths for September 1993 were 2,600 deaths at ages under 1 year.

According to provisional statistics, there were 1,698,000 deaths during the first 9 months of 1993, 4 percent higher than the number estimated for January–September 1992 (1,635,000). The death rate, 8.8 per 1,000 population, was 2 percent higher than the January–September 1992 rate of 8.6. Among the 1,698,000 deaths for the first 9 months of 1993 were 25,200 deaths at ages under 1 year, yielding an infant mortality rate of 8.3 per 1,000 live births. This rate was 2 percent lower than the rate of 8.5 for the first 9 months of 1992.

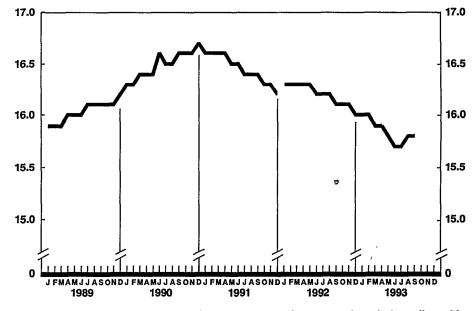
The death rate for the 12 months ending with September 1993 was 8.7 deaths per 1,000 population, 1 percent higher than the rate of 8.6 for the comparable 12-month period a year earlier. The infant mortality rate for this 12-month period was 8.4 per 1,000 live births compared with a rate of 8.5 for the 12 months ending with September 1992. The change in the infant mortality rate was not statistically significant.



Provisional death rates per 1,000 population by month: United States, 1992-93



Provisional infant mortality rates per 1,000 live births by month: United States, 1992-93



Provisional birth rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1989–93

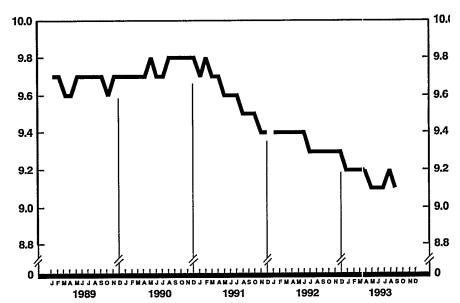
Current Mortality Sample, 12 months ending with August 1993-The provisional death rate for the 12 months ending with August 1993 was 869.8 deaths per 100,000 population, 1 percent higher than the rate of 857.8 for the 12-month period ending with August 1992. The provisional age-adjusted death rate for the 12-month period ending with August 1993 was 510.0 deaths per 100,000 U.S. standard million population compared with a rate of 509.0 for the 12-month period ending with August 1992. The change in the age-adjusted death rate was not statistically significant. Age-adjusted death rates control for changes and variations in the age composition of the population; therefore, they are better indicators than crude rates for showing changes in mortality risk over time and for showing differences between race-sex groups within the population. Among the race-sex groups, the estimated age-adjusted death rate increased for black females. By age, the changes in death rates for the total population were not statistically significant.

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 Accidents and adverse effects and Homicide and legal intervention.

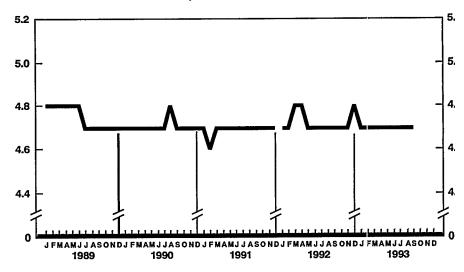
The infant mortality rate for the 12 months ending with August 1993 was 838.5 per 100,000 live births, 2 percent lower than the rate of 855.6 for the same 12-month period a year earlier. For infants under 28 days, the rate for the 12 months ending with August 1993 was 525.3 compared with a rate of 536.8 for the 12-month period a year earlier. The infant mortality rate for infants 28 days to 11 months was 313.1 compared with a rate of 318.7 for the 12-month period a year earlier. The changes in the mortality rate for infants under 28 days and for those 28 days to 11 months were not statistically significant.

Mortality Surveillance System

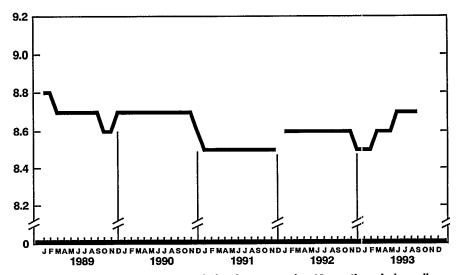
Discussed this month are recent trends in death rates for Motor vehicle



Provisional marriage rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1989–93



Provisional divorce rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1989–93



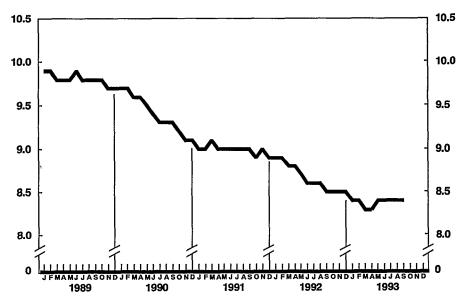
Provisional death rates per 1,000 population for successive 12-month periods ending v month indicated: United States. 1989–93

accidents for males and females aged 15–24 years and 65 years and over. In this issue final mortality data are analyzed for data year 1991 and provisional data from January 1984 through June 1993.

In 1991 the latest year for which final mortality data are available, Accidents and adverse effects (accidents) was the leading cause of death for men aged 15-24 years and accounted for 11,534 deaths, or 42 percent of deaths from all causes for men in this age group. Motor vehicle accidents, a major component of accident mortality for men aged 15-24 years, accounted for 8,468 deaths, or 31 percent of all deaths and 73 percent of all accident deaths for men in this age group. For women aged 15-24, accident deaths were the leading cause of death and accounted for 3,744 deaths, or 42 percent of deaths from all causes for women in this age group. Motor vehicle accidents for women aged 15-24 years accounted for 3,196 deaths, or 36 percent of all deaths and 85 percent of all accident deaths.

Accidents were the seventh leading cause of death for men aged 65 years and over and accounted for 13,163 deaths, or 2 percent of all deaths for men in this age group. Motor vehicle accidents for men aged 65 years and over accounted for 3,956 deaths, or 30 percent of all accident deaths for men in this age group. For women aged 65 years and over, accident deaths were the seventh leading cause of death and accounted for 13,281 deaths, or 2 percent of all deaths. Motor vehicle accidents for women aged 65 years and over accounted for 3,088 deaths, or 23 percent of all accident deaths for this age-sex group.

Based on 1991 final data, the Motor vehicle accident death rate for men aged 15–24 years was 2.5 times the rate for women in this age group; for men aged 65 years and over, the rate was 1.9 times the rate for women in this age group. Trends based on provisional data for Motor vehicle accidents for these demographic groups are presented in the Mortality Surveillance System charts and accompanying text that follow.

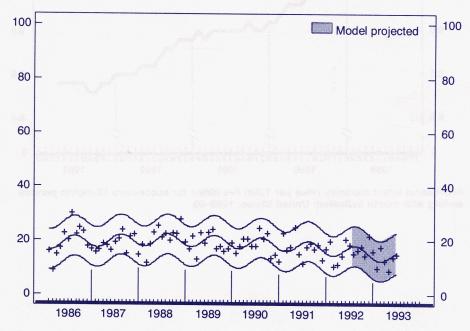


Provisional infant mortality rates per 1,000 live births for successive 12-month periods ending with month indicated: United States, 1989–93

Mortality Surveillance System charts

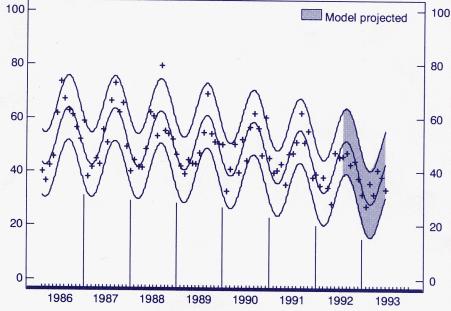
[Observed and fitted provisional monthly death rates and 95-percent prediction intervals. Model fitted using death rates for January 1984–June 1992; projected for July 1992–June 1993. See Technical notes]

Trends in mortality from Motor vehicle accidents are presented in the charts below. Reduction of mortality from Motor vehicle accidents is addressed in *Healthy People 2000* (objective 9.3) (1).



Provisional death rates per 100,000 females 15–24 years of age for Motor vehicle accidents by month: United States, 1986–93

- For the modeled period, provisional death rates have decreased since 1988.
- 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 summer.



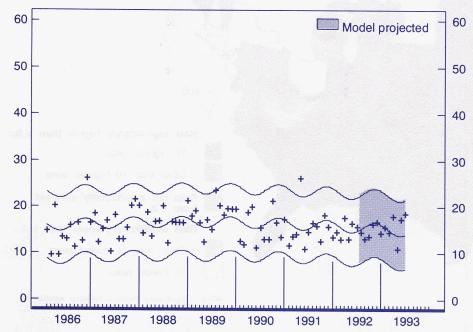
Provisional death rates per 100,000 males 15–24 years of age for Motor vehicle accidents by month: United States, 1986–93

- For the modeled period, provisional death rates have decreased since 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 summer.

Mortality Surveillance System charts—Con.

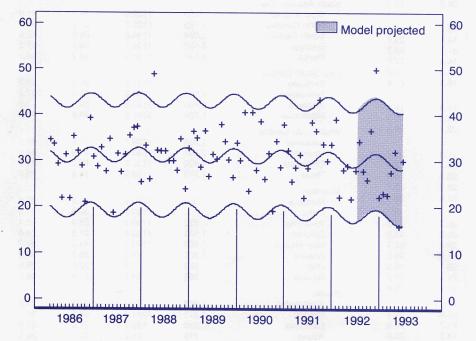
[Observed and fitted provisional monthly death rates and 95-percent prediction intervals. Model fitted using death rates for January 1984–June 1992; projected for July 1992–June 1993. See Technical notes]

Trends in mortality from Motor vehicle accidents are presented in the charts below. Reduction of mortality from Motor vehicle accidents is addressed in *Healthy People 2000* (objective 9.3) (1).



Provisional death rates per 100,000 females 65 years and over for Motor vehicle accidents by month: United States, 1986–93

- For the modeled period, provisional death rates have decreased slightly since 1990.
- 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 fall.

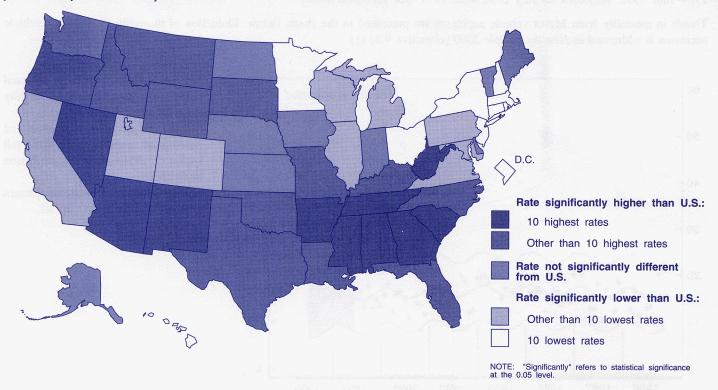


Provisional death rates per 100,000 males 65 years and over for Motor vehicle accidents by month: United States, 1986–93

- For the modeled period, provisional death rates showed no discernible upward or downward trend.
- For the projection period, observed provisional monthly death rates, except for 2 months, fell within 95-percent prediction intervals.
- Mortality shows a seasonal pattern with death rates higher in fall.

Final 3-year total number of deaths and average annual age-adjusted death rates and 95-percent confidence limits for Motor vehicle accidents for males: United States and each State, 1988–90

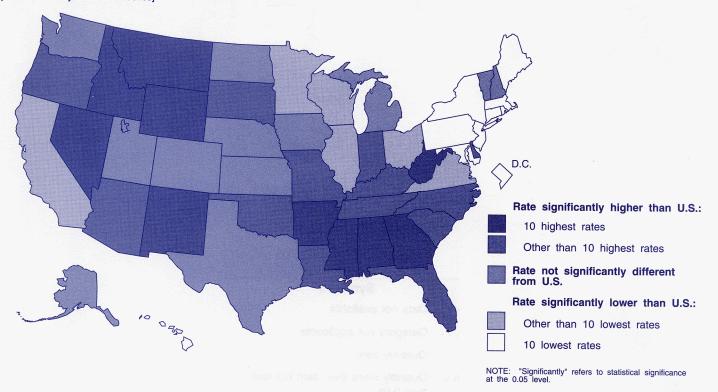
[Data are final by State of residence]



	Deaths, 3-year total	Age-adjusted rate		confidence nits		Deaths, 3-year total	Age-adjusted rate	95-percent lin	confidence nits
Area	(final)	(final)	Lower	Upper	Area	(final)	(final)	Lower	Upper
United States	99,368	27.1	26.9	27.3	South Atlantic—Con.	100	10 A		
New England					West Virginia	993	††38.6	36.2	41.0
Maine	458	25.5	23.1	27.9	North Carolina	3,223	††32.7	31.6	33.8
New Hampshire	338	††20.8	18.5	23.1	South Carolina	2,094	††40.8	39.0	42.6
Vermont	210	25.2	21.7	28.7	Georgia	3,420	††36.1	34.9	37.3
Massachusetts	1,536	††16.8	15.9	17.7	Florida	6,147	††33.3	32.4	34.2
Rhode Island	255	††16.7	14.6	18.8	East South Central	,			
Connecticut	967	††20.1	18.8	21.4		4 944	1104.0		
	50 ,	1120.1	10.0	21.4	Kentucky	1,711	††31.8	30.3	33.3
Middle Atlantic	The best of	85724			Tennessee	2,557	††35.8	34.4	37.2
New York	4,947	††18.4	17.9	18.9	Alabama	2,465	††41.6	39.9	43.3
New Jersey	2,000	††17.4	16.6	18.2	Mississippi	1,735	††47.0	44.8	49.2
Pennsylvania	4,062	††23.4	22.7	24.1	West South Central				
East North Central					Arkansas	1,335	† † 39.1	37.0	41.2
Ohio	3,556	††22.7	21.9	23.5	Louisiana	2,031	††33.4	31.9	34.9
Indiana	2,123	26.2	25.1	27.3	Oklahoma	1,430	††30.9	29.3	32.5
Illinois	4,008	††23.7	23.0	24.4	Texas	7,374	1129.5	28.8	30.2
Michigan	3,529	††25.9	25.0	26.8		7,074	1120.0	20.0	00.2
Wisconsin	1,700	1123.8	22.6	25.0	Mountain				
	1,700	1120.0	22.0	25.0	Montana	386	††33.6	30.2	37.0
West North Central					Idaho	490	††33.9	30.8	37.0
Minnesota	1,359	††21.4	20.2	22.6	Wyoming	222	††33.9	29.4	38.4
lowa	1,138	28.3	26.6	30.0	Colorado	1,131	††23.0	21.6	24.4
Missouri	2,245	††30.8	29.5	32.1	New Mexico	1,020	††47.1	44.2	50.0
North Dakota	243	25.2	21.9	28.5	Arizona	1,881	††34.9	33.3	36.5
South Dakota	318	†31.7	28.1	35.3	Utah	595	†24.5	22.5	26.5
Nebraska	600	26.5	24.3	28.7	Nevada	599	††34.0	31.2	36.8
Kansas	1,001	27.7	25.9	29.5					
South Atlantic					Pacific				1200
Delaware	267	27.1	23.8	30.4	Washington	1,858	26.3	25.1	27.5
Maryland	1,596	††22.8	23.6	23.9	Oregon	1,271	††31.4	29.6	33.2
District of Columbia	171	††18.1			California	12,030	†26.5	26.0	27.0
			15.3	20.9	Alaska	219	25.6	22.1	29.1
Virginia	2,183	††23.6	22.6	24.6	Hawaii	341	††19.8	17.7	21.9

Final 3-year total number of deaths and average annual age-adjusted death rates and 95-percent confidence limits for Motor vehicle accidents for females: United States and each State, 1988–90

[Data are final by State of residence]



	England laine		Deaths, 3-year total	Age-adjusted rate	95-percent lin	confidence nits			
Area	(final)	(final)	Lower	Upper	Area	(final)	(final)	Lower	Upper
United States	44,099	11.1	11.0	11.2	South Atlantic—Con.			- Asiatas .	
New England					West Virginia	455	tt16.1	14.5	17.7
Maine	184	tt9.2	7.8	10.6	North Carolina	1,437	††13.5	12.8	14.2
New Hampshire	182				South Carolina	841	††15.2	14.1	16.3
Vermont	104				Georgia	1,661	††16.3	15.5	17.1
Massachusetts	678				Florida	2,828	††13.6	13.0	14.2
Rhode Island	114				East South Central	* .			Tale of
Connecticut					Kentucky	000	11440	. 200	
Middle Atlantic				0.0	Tennessee	836	††14.3	13.3	15.3
	2 224	++7 4	7.4		Alabama	1,083	††13.9	13.0	14.8
						1,062	††16.2	15.2	17.2
Pennsylvania					Mississippi	707	††17.2	15.9	18.5
	1,769	118.7	8.3	9.1	West South Central				
ast North Central					Arkansas	617	††16.6	15.2	18.0
			9.5	10.5	Louisiana	823	††12.4	11.5	13.3
Indiana			11.4	13.0	Oklahoma	655	††13.4	12.3	14.5
	1,821	††9.9	9.4	10.4	Texas	2,984	11.4	11.0	11.8
Michigan		11.5	10.9	12.1	Mountain				
Wisconsin	805	††10.1	9.4	10.8					
Vest North Central					Montana	187	††16.1	13.7	18.5
	653	++0.7	8.0	10.5	Idaho	251	††16.6	14.5	18.7
Iowa	482	10.7	9.7	11.7	Wyoming	114	††17.9	14.6	21.2
Missouri	987	†12.0	11.2	12.8	Colorado	575	11.7	10.7	12.7
North Dakota	99	9.4	7.4	11.4	New Mexico	410	††18.1	16.3	19.9
South Dakota	154	1114.5	12.1		Arizona	799	††13.9	12.9	14.9
Nebraska	293	11.8	10.4	16.9	Utah	316	12.5	11.1	13.9
Kansas	447	11.5	10.4	13.2	Nevada	262	††16.0	14.0	18.0
	447	11.5	10.4	12.6	Pacific				
South Atlantic					Washington	791	10.8	10.0	11.6
Delaware	150	††14.2	11.9	16.5	Oregon	617	††13.8	12.6	15.0
Maryland	647	††8.4	7.7	9.1	California	4,682	††10.2	9.9	10.5
District of Columbia	66	††6.2	4.6	7.8	Alaska	80	11.2	9.9 8.7	13.7
Virginia	915	††9.4	8.8	10.0	Hawaii	128	††8.0	6. <i>7</i> 6.6	9.4

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

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 1992–Septembe

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

_			Live births		Mai	rriages _.	De	eaths	Infant	deaths
		_	Rate per 1,000 wome	en aged 15–44 years						
Period	Number	Rate per 1,000 population	Unadjusted	Seasonally adjusted ¹	Number	Rate per 1,000 population	Number	Rate per 1,000 population	Number	Rate pei 1,000 live birth
1992:				•						
January	334,000	15.6	66.9	70.4	112,000	5.2	207.000	9.6	3,200	9.4
	304,000	15.1	65.1	66.6	166,000	8.2	185,000	9.2	2,900	9.1
	360,000	16.7	72.0	73.4	145,000	6.7	195,000	9.1	3,200	9.2
April	330,000	15.8	68.3	70.0	175,000	8.4	181,000	8.7	2,800	8.5
May	361,000	16.7	72.2	73.2	231,000	10.7	175,000	8.1	2,800	8.0
June	333,000	16.0	68.9	67.8	256,000	12.3	172,000	8.2	2,700	8.2
July	352,000	16.3	70.5	67.8	228,000	10.5	180,000	8.3	2,800	8.1
	350,000	16.2	70.1	66.3	242,000	11.2	172,000	7.9	2,700	7.9
September	357,000	17.0	73.7	69.0	227,000	10.8	169,000	8.1	2,700	8.0
October	345,000	15.9	69.1	69.3	221,000	10.2	181,000	8.3	2,900	8.2
	332,000	15.8	68.6	70.7	174,000	8.3	175,000	8.3	2,700	8.1
December	325,000	15.0	65.0	66.6	184,000	8.5	186,000	8.6	2,900	8.8
1993:										
January	325,000	14.9	64.7	68.1	103.000	4.8	198.000	9.1	2,900	8.5
	308,000	15.6	68.0	69.6	154,000	7.9	187,000	9.5	2,700	8.7
March	360,000	16.5	71.7	73.1	157,000	7.3	217,000	10.0	3,100	8.7
April	328,000	15.5	67.5	69.1	174,000	8.3	196,000	9.3	2,900	8.8
May	335,000	15.3	66.8	67.7	221,000	10.1	185,000	8.5	2,900	8.8
	321,000	15.2	66.1	65.1	251,000	11.8	178,000	8.4	2,600	8.3
July	357,000	16.3	71.2	68.4	232,000	10.6	184,000	8.4	2,800	7.8
August	367,000	16.7	73.0	69.0	259,000	11.8	180,000	8.2	2,700	7.8
September	355,000	16.7	73.1	68.4	221,000	10.4	174,000	8.2	2,600	7.6

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).

NOTES: Figures include all revisions received from the States and, therefore, may differ from those previously published. Rates for 1992 (except infant mortality) have been recomputed based on revised population estimates; see Technical notes.

Table 2. Provisional number of live births and deaths: each division and State, September 1992 and 1993, and cumulative figures, 1991-93

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

			Live births					Deaths		
	Septe	mber	Janu	ary-Septem	nber	Septe	mber	Janu	ary-Septem	nber
Area	1993	1992	1993	1992	1991	1993	1992	1993	1992	199
New England	113,950	15,322	1127,754	144,052	144,223	9,360	8,826	89,162	86,530	84,1
		1,277		11,835	12,288	816	781	8,299	8,070	8,1
	1,185	1,142	11,592	11,694	12,427	768	724	6,714	6,112	6,2
	670	483	5,620	5,616	5,730	431	413	3,702	3,610	3,4
	7,279	7,265	67,661	68,352	66,915	4,236	4,063	42,189	40,855	38,7
	1,236	1,106	10,885	10,960	10,963	686	726	7,282	6,942	6,9
Connecticut. Middle Atlantic New York New Jersey Pennsylvania	3,580	4,049	31,996	35,595	35,900	2,423	2,119	20,976	20,941	20,6
	45,641	45,164	421,763	421,731	434,411	27,275	27,140	277,768	267,830	267,5
	23,291	21,759	211,154	210,259	217,982	12,238	12,266	128,469	123,372	124,4
	8,956	9,195	88,884	85,469	86,761	5,637	5,955	54,721	52,732	51,7
	13,394	14,210	121,725	126,003	129,668	9,400	8,919	94,578	91,726	91,3
East North Central. Ohio Indiana. Illinois Michigan. Wisconsin	53,915	55,113	491,673	495,020	497,968	29,374	29,773	287,640	277,471	280,1
	13,710	13,096	121,001	126,523	118,980	8,054	7,978	75,801	74,531	73,1
	6,383	7,181	62,928	63,370	63,190	3,956	3,695	38,505	37,407	38,7
	17,460	16,977	144,262	144,544	143,621	8,328	8,285	79,715	75,641	76,7
	12,029	11,951	111,614	106,855	117,099	6,040	6,358	61,405	59,164	59,3
	4,333	5,908	51,868	53,728	55,078	2,996	3,457	32,214	30,728	32,1
West North Central Minnesota. lowa Missouri North Dakota. South Dakota. Nebraska	24,764 5,502 3,322 6,485 739 1,082 1,771	23,540 5,702 3,582 7,162 765 1,118 1,925 3,286	196,157 48,708 27,573 57,993 6,647 8,303 17,136 29,797	198,925 49,965 28,899 58,473 6,769 8,681 17,767	196,803 50,526 25,718 58,785 6,955 8,233 18,263 28,323	13,319 2,940 2,025 4,122 437 658 1,214 1,923	12,720 2,810 2,130 3,870 483 618 1,136 1,673	128,490 26,956 21,562 41,727 4,318 5,122 11,175 17,630	120,335 25,880 20,154 37,221 4,286 5,296 10,988 16,510	120,2 25,9 18,2 39,2 4,0 4,8 10,9 16,8
Kansas South Atlantic. Delaware Maryland District of Columbia. Virginia West Virginia. North Carolina. South Carolina. Georgia Florida.	5,863 60,882 887 7,318 844 8,525 1,744 8,877 5,712 10,463 16,512	59,408 862 6,754 858 8,459 1,908 8,755 4,676 11,118 16,018	506,067 8,064 57,112 7,444 72,818 16,754 75,034 41,734 84,486 142,621	28,371 509,462 8,193 56,841 7,647 74,252 17,129 77,349 42,281 85,235 140,535	514,436 8,615 60,056 7,846 73,581 16,882 76,871 43,510 83,799 143,276	31,877 469 3,137 521 3,847 1,527 4,614 2,513 4,835 10,414	30,481 461 3,150 551 3,772 1,488 4,502 2,287 3,855 10,415	316,608 4,585 31,637 4,878 38,711 15,070 47,017 23,565 42,429 108,716	302,830 4,391 27,771 5,181 36,886 15,354 44,411 22,910 39,896 106,030	295,8 4,3 27,3 5,2 36,2 14,9 43,6 22,0 39,8 102,0
East South Central Kentucky Tennessee Alabama. Mississippi	19,056	21,431	173,523	175,136	173,151	10,921	11,126	116,080	110,967	107,1
	4,946	4,734	39,717	40,868	41,719	2,812	3,026	27,823	26,622	26,1
	5,101	7,646	54,317	55,185	53,888	3,267	3,471	36,695	35,658	34,1
	5,198	5,465	48,127	47,335	45,006	2,771	2,696	31,628	29,841	28,0
	3,811	3,586	31,362	31,748	32,538	2,071	1,933	19,934	18,846	18,8
West South Central Arkansas Louisiana Oklahoma. Texas ²	44,294	43,297	368,942	366,674	360,388	17,355	17,654	178,374	171,777	168,4
	2,775	3,122	25,965	26,345	25,993	1,916	1,897	19,909	18,918	17,9
	5,328	6,253	53,033	55,701	56,579	3,099	3,160	31,310	29,407	29,3
	4,279	4,664	35,070	36,398	36,459	2,454	2,372	24,261	22,860	22,6
	31,912	29,258	254,874	248,230	241,357	9,886	10,225	102,894	100,592	98,5
Mountain. Montana. Idaho. Wyoming Colorado New Mexico Arizona Utah Nevada	19,756	19,822	185,246	186,356	182,950	8,276	8,041	82,192	77,688	75,1
	989	959	8,649	8,819	8,758	606	596	5,637	5,369	5,3
	1,553	1,506	13,280	13,306	13,059	692	649	6,226	5,970	5,8
	539	640	4,938	5,244	5,119	307	292	2,617	2,499	2,3
	4,795	4,335	42,121	41,319	40,917	1,913	1,827	17,621	16,624	16,6
	1,991	2,618	20,383	21,202	20,999	859	729	8,903	8,538	8,2
	5,789	5,108	53,245	51,139	50,389	2,311	2,365	25,752	23,754	22,3
	3,055	2,925	27,879	28,445	26,483	755	774	7,481	7,342	6,8
	1,045	1,731	14,751	16,882	17,226	833	809	7,955	7,592	7,5
Pacific Washington Oregon California ² Alaska Hawaii	161,099 7,074 3,190 49,285 1,550	63,916 5,457 3,768 52,136 1,060 1,495	1534,849 52,554 32,819 434,884 14,592	555,918 50,511 32,036 449,767 8,832 14,772	563,591 55,664 32,512 452,079 8,388 14,948	125,574 3,584 1,983 19,454 553	23,428 3,650 2,285 16,652 230 611	1219,840 31,621 20,334 162,449 5,436	219,756 28,557 19,118 165,250 1,656 5,175	219,5 28,4 18,7 165,7 1,6 5,0

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

¹Excludes figures for State(s) shown below as not available. ²Figures include adjustments for varying length of reporting periods; see Technical notes.

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Table 3. Provisional number of marriages and divorces: each division and State, September 1992 and 1993, and cumulative figures,

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

			Marriages					Divorces		
	Sept	ember	Janu	ary–Septer	mber	Septe	ember	Jan	uary–Septer	nber
Area	1993	1992	1993	1992	1991	1993	1992	1993	1992	1991
New England	17,807	10,895	149,524	71,552	74,325	¹ 3,202	3,645	¹ 24,523	35,250	33,08
Maine	1,297 967	1,711 1,096	8,048 5,319	8,495 5,916	7,511	721 426	499 434	4,429	4,506	4,44
Vermont	966	955	4,337	4,279	7,188 4.260	341	248	3,685 2,125	4,269 2,247	3,82 1,98
Massachusetts	3,746	3,250	26,512	29,895	31,025	1,414	1,320	11,662	12,919	10,57
Rhode Island	831	951	5,308	5,531	5,674	300	342	2,622	2,709	2,57
Middle Atlantic	33,694	2,932		17,436	18,667	11 500	802		8,600	9,69
New York ²	17,715	31,086 16,535	209,870 113,476	212,239 114,252	216,551 119,304	11,502 5,668	9,987 4,792	90,753 42,025	91,539 42.097	91,53 41,92
New Jersey	6,196	6,054	39,049	39,999	40,876	2,069	2,010	18,863	19,443	19,79
Pennsylvania	9,783	8,497	57,345	57,988	56,371	3,765	3,185	29,865	29,999	29,82
East North Central	37,464	37,110	255,951	261,057	269,510	¹ 13,247	¹ 12,588	¹ ,113,140	¹ 114,018	¹ 118,59
Ohio	9,867 4,451	9,505 ° 4,532	65,808 37,927	68,664 37,701	72,230 37,877	4,067	3,596	37,629	39,062	41,08
Illinois	10,366	10,235	68,725	69,365	71,454	3,599	3,370	32,829	31,341	33,76
Michigan	8,833	8,450	53,056	54,189	56,315	4,033	4,066	29,351	29,829	29,84
Wisconsin	3,947	4,388	30,435	31,138	31,634	1,548	1,556	13,331	13,786	13,90
West North Central	15,325 3,985	14,983 4,358	113,546 25,036	113,092	115,200	6,151	6,217	58,563	57,632	60,38
lowa	2,403	2,383	19,318	25,059 17,292	25,562 17,745	1,317 713	1,717 853	12,657 7,965	11,763 8,213	11,41 9,35
Missouri	4,534	3,996	33,871	34,342	35,105	2,112	2,217	20,064	19,877	20,10
North Dakota	512	556	3,911	3,829	3,710	187	186	1,670	1,769	1,63
South Dakota	813 1,401	820 1,046	6,061 9,942	6,027 10,188	5,906 10,178	257 531	212 522	2,190 4,754	2,138 4,922	2,03 4,90
Kansas	1,677	1,824	15,407	16,355	16,994	1,034	510	9,263	8,950	10,93
South Atlantic	¹ 40,407	43,879	1332,723	330,219	337,128	119,229	20,689	¹ 175,486	179,276	177,17
Delaware	510	538	3,743	3,755	4,013	277	252	2,338	2,531	2,22
Maryland	4,537	4,135 253	31,897	31,265 2,202	32,926 3,385	1,447	1,520 208	12,785	13,359	12,18
Virginia	6,327	6,403	52,354	52,093	51,974	2,451	2,421	21,983	1,834 21,770	1,67 20,94
West Virginia	1,547	1,389	10,309	9,655	9,770	811	1,091	7,008	7,297	7,60
North Carolina	4,439 5,265	4,527 5,072	35,925	37,136	37,394	2,827	2,878	26,582	27,425	25,60
Georgia	5,469	10,352	40,613 47,390	41,074 47,840	40,278 53,170	1,645 3,268	1,304 4,761	11,825 28,902	11,984 29,504	10,86i 33,68i
Florida	12,313	11,210	110,492	105,199	104,218	6,503	6,254	64,063	63,572	62,39
East South Central	15,353	16,523	138,853	137,092	137,858	8,376	7,721	72,066	74,166	70,71
Kentucky	4,328	4,275	34,982	36,865	36,678	2,098	2,183	16,654	18,200	16,37
Tennessee	5,750 3,625	6,710 4,014	55,379 30,522	53,718 29,584	51,668 32,050	2,731 2,675	2,573 2,223	24,942 20,704	24,734 20,089	23,860 20,680
Mississippi	1,650	1,524	17,970	16,925	17,462	872	742	9,766	11,143	9,790
West South Central	23,499	23,996	220,593	222,342	224,696	¹ 10,501	¹ 10,175	¹ 106,193	¹ 109,081	¹ 103,93
Arkansas	2,994	3,022	28,069	27,632	29,263	1,336	1,348	13,149	13,536	14,290
Louisiana	3,370 2,467	2,883 2,537	27,855 23,322	26,933 24,398	26,140 24,903	1,945	1,820	16,718	18,719	17,820
Texas ³	14,668	15,554	141,347	143,379	144,390	7,220	7,007	76,326	76,826	71,82
Mountain	¹ 20,452	23,146	¹ 168,893	187,253	187,467	¹ 4,750	¹ 6,586	¹ 43,744	¹ 59,033	¹ 55,842
Montana	720	777	5,752	5,791	5,796	387	360	3,300	3,231	3,220
Idaho	1,630 450	1,396 476	10,418 3,624	11,348 3,761	11,025 3,735	638 258	689 263	5,309 2,249	5,183 2,385	4,91
Colorado	450	3,409		26,672	26,643	200	1,641	2,249	14,570	2,454 14,22
New Mexico 4,5	1,081	1,122	9,881	10,272	10,117	815	701	7,660	7,213	6,51
Arizona ²	2,993	2,821	29,719	27,101	27,579	1,924	2,089	18,692	19,279	18,27
Utah	2,466 11,112	2,505 10,640	16,001 93,498	15,856 86,452	14,531 88,041	728 	843	6,534	7,172	6,247
Pacific	¹ 4,299	¹ 10,242	¹ 31,853	169,754	245,103	¹ 1,675	¹ 4,643	¹ 15,855	139,952	¹ 40,17
Washington		5,020		33,945	39,873		2,182		21,500	22,428
Oregon	2,750	3,325	18,572	17,737	18,811	1,250	1,691	12,220	11,716	11,356
California		405		4 474	168,041					0.50
Alaska	1,549	495 1,402	13,281	4,474 13,598	4,750 13,628	425	317 453	3,635	2,859 3,877	2,56 ² 3,827
	.,0-10	.,-02	.0,401		.0,020	720		0,000	0,011	0,021

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

¹Excludes figures for State(s) shown below as not available.
2Figures for marriages are marriage licenses issued for some counties.
3Figures include adjustments for varying length of reporting periods; see Technical notes.
4Figures for marriages are marriage licenses issued.
5Figures for divorces include estimates for some counties.

Table 4. Provisional number of deaths under 1 year and infant mortality rates: each division and State, 12 months ending with September 1992 and 1993

[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]

12 months ending with September 1993 1992 Area Number Rate Number Rate 1797 ¹6.4 1,223 6.5 Maine 97 6.0 New Hampshire..... 79 5.1 91 5.9 Vermont 46 6.3 48 6.0 539 515 5.9 6.2 133 9.0 113 7.7 359 7.5 Middle Atlantic..... 4,877 8.5 4,860 8.6 2,505 8.7 2,385 8.4 965 7.8 1,032 8.9 1,407 8.7 1,443 8.7 6,061 9.5 9.3 6,265 Ohio...... 1,410 1,427 8.6 8.6 816 9.8 778 9.2 1,960 10.2 2,016 10.3 1,333 9.3 1,518 10.6 542 8.0 526 7.5 1,999 7.8 2.138 8.1 452 7.0 459 6.9 242 6.6 298 7.6 650 8.7 8.9 691 61 6.9 8.3 115 10.5 110 9.6 Nebraska..... 176 7.9 180 7.7 303 7.8 326 8.7 ¹5,747 19.6 6,580 9.6 97 9.0 10.8 116 668 8.2 15.6 154 198 20.3 877 9.1 855 8.8 206 9.5 196 8.7 1,061 10.5 1,063 10.3 530 9.4 632 11.2 Georgia..... 1.160 1,158 10.5 10.4 1.662 8.6 1,694 8.8 2,396 10.3 2.311 9.9 484 9.2 431 8.0 725 9.9 716 9.6 646 10.1 683 10.9 541 12.6 481 11.3 West South Central......... 4,030 8.0 3,844 8.3 319 9.2 341 9.8 Louisiana...... 682 9.9 689 9.4 Oklahoma 431 9.3 428 9.1 2,412 7.3 2,572 7.7 1,843 7.5 1,916 7.8 86 7.6 9.3 108 147 8.4 7.4 129 60 9.2 8.1 56 428 7.7 410 7.5 232 8.4 252 8.9 524 7.6 589 8.6 238 6.5 220 5.9 128 6.3 152 6.7 1425 ¹6.8 5.373 7.1 7.5 7.3 530 296 7.0 309 4.308 7.1 8.1 95 129 6.5 131 6.6

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

¹Excludes figures for State shown below as not available.

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

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, August 1992 and 1993, cumulative figures for 1992 and 1993, and 12 months ending with August 1992 and 1993

[Data are provisional, estimated from a 10-percent sample of deaths. Age-specific rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard million population; see Technical notes. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes]

-		Au	gust		• •	January	y-August		12	months end	ding with Aug	ust
_	15	993	1:	992	19	93	19	92	19	93	19	192
Age, race, and sex	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All races, both sexes 1												
All ages	180,000	820.6	172,000	793.7	1,524,000	889.9	1,466,000	864.3	2,235,000	869.8	2,179,000	857.8
Under 1 year	,				22,600	² 857.6	23,200	² 873.4	33,800	² 854.3	35,000	² 877.1
1–4 years	4,180	86.6	4,010	84.5	4,920	47.0	4,770	46.3	7,030	44.8	6,880	44.6
5–14 years	3,530	115.5	3,310	108.2	6,080 23,530	24.7 98.1	5,670 23,580	23.4 97.8	8,610	23.4 97.3	8,470	23.4
25–34 years	5,230	147.0	5,100	142.0	39,170	140.0	38,440	135.6	35,070 58,170	138.3	36,100 58,020	99.9 136.2
35–44 years	8,070	232.4	7,670	226.5	63,900	236.2	61,870	233.3	95,300	235.3	91,860	231.5
45–54 years	11,060 20,020	452.5 1,126.1	10,350 18,990	443.6 1,071.6	88,480 163,970	467.1 1,177.6	83,420	461.8	129,410	457.0	123,070	457.2
65–74 years	38,800	2,446.9	38,310	2,447.3	331,120	2,670.0	164,290 320,490	1,176.7 2,610.7	242,590 486,530	1,160.3 2,613.9	245,760 477,150	1,173.2 2,595.3
75–84 years	50,030	5,449.7	47,150	5,259.1	430,060	6,014.2	412,700	5,886.1	628,910	5,869.4	610,470	5,819.5
85 years and over	38,900	13,479.0	36,730	13,253.4	349,940	15,639.6	327,070	15,171.8	508,650	15,183.6	485,580	15,089.5
Not stated	90	491.0	40	477.9	540	520.1	500	511.8	850		910	500.0
All races, male 1	•••	401.0	•••	411.5		520.1	•••	511.0	•••	510.0	•••	509.0
All ages	93,370	872.2	88,780	841.1	782,740	936.0	756,720	914.2	1,148,410	915.6	1,128,220	910.1
Under 1 year		J1 101100	55,700	3,,,,,	12,920	² 959.3	12,800	² 941.6	18,850	² 930.4	1,126,220	² 954.4
1–4 years	2,580	104.4	2,390	98.4	2,760	51.7	2,670	50.8	3,970	49.4	3,830	48.5
5–14 years	0.040	407.4			3,680	29.2	3,560	28.7	5,260	27.9	5,200	28.0
15–24 years	2,610 3,830	167.1 215.1	2,500 3,710	159.9 206.4	17,740 28,780	144.6 205.6	18,060	146.6	26,290	142.6	27,410	148.3
35–44 years	5,510	320.0	5,160	307.5	44,000	328.2	28,630 42,530	201.8 323.7	42,600 65,830	202.4 327.9	42,810 63,520	200.9 323.2
45–54 years	6,900	577.5	6,560	575.3	56,130	606.2	53,010	600.5	81,910	591.7	77,900	592.4
55–64 years	11,930 22,150	1,414.6 3,163.9	11,610 21,450	1,382.9 3,112.7	99,360 189,400	1,504.8	99,820	1,509.9	146,430	1,477.3	149,240	1,504.7
75–84 years	25,110	7,163.8	23,240	6,827.1	213,670	3,461.7 7,839.5	183,820 203,560	3,404.4 7,659.4	278,220 311,830	3,389.2 7,641.0	275,140 301,800	3,403.9 7,596.3
85 years and over	12,670	15,703.1	12,110	15,642.9	113,930	18,215.0	107,890	17,942.5	166,640	17,803.4	161,280	17,959.9
Not stated	80		40		380	•••	350	• • • •	580	• • • •	610	• • •
Age-adjusted rate ³	•••	636.3	•••	618.8	•••	674.3	•••	666.1	•••	660.6	•••	663.7
All races, female ¹ All ages	86,550	771.4	82,880	748.6	741,560	845.9	700 270	0167	1 000 540	906.0	1 050 000	007.0
Under 1 year	-	771.4	02,000	740.0	9,670	² 751.1	709,270	816.7	1,086,540	826.2	1,050,990	807.9
1–4 years	1,600	67.9	1,620	70.0	2,160	42.7	10,410 2,100	² 802.6 41.7	14,970 3,060	² 774.4 40.0	15,480 3,050	² 795.1 40.5
5–14 years			,		2,400	19.9	2,120	18.0	3,360	18.7	3,270	18.5
15–24 years	920	61.6	820	54.8	5,800	49.4	5,510	46.8	8,790	49.9	8,690	49.2
25–34 years	1,400 2,570	78.8 146.8	1,380 2,510	76.9 146.9	10,390 19,900	74.4 146.0	9,810 19,340	69.2 144.4	15,570 29,470	74.1 144.3	15,210	71.4
45–54 years	4,170	333.7	3,790	317.7	32,350	334.1	30,410	329.0	47,500	328.1	28,340 45,170	141.5 328.1
55–64 years	8,080	864.7	7,390	792.4	64,610	882.6	64,460	877.2	96,160	874.6	96,510	875.0
65–74 years	16,650 24,920	1,880.1 4,391.1	16,860 23,900	1,924.2 4,298.2	141,720 216,390	2,044.9 4,889.5	136,660	1,987.3	208,300	2,002.1	202,010	1,960.9
85 years and over	26,230	12,636.5	24,620	12,327.2	236,010	14,642.2	209,140 219,170	4,804.0 14,099.7	317,080 342,020	4,779.6 14,168.2	308,660 324,300	4,737.0 13,966.4
Not stated	10		· -	• • • •	160	•••	150		270	• • • •	300	• • • •
Age-adjusted rate ³	•••	370.6	•••	361.4	•••	393.4	• • •	385.5	•••	386.6	• • •	382.7
White All ages	153.020	838.4	146,510	811.8	1,310,530	918.4	1 261 400	800.4	1 020 000	907 4	1 976 000	000.0
Under 1 year		500.4	140,010	511.0	14,810	2715.9	1,261,400 14,850	890.4 ² 707.9	1,920,900	897.1 ² 708.3	1,876,000	883.9
1–4 years	2,790	72.8	2,520	66.7	3,460	41.7	3,260	39.9	22,020 5,000	40.3	22,380 4,700	² 711.2 38.4
5–14 years		00.0			4,520	23.0	4,180	21.6	6,380	21.7	6,210	21.4
15–24 years	2,430 3,670	99.2 125.7	2,280 3,620	92.7 122.3	16,340 28,090	85.0 122.3	16,390 27 220	84.6 116.4	24,530	84.8	25,480	87.5
35–44 years	5,660	195.1	5,660	199.4	45,340	122.3 200.5	27,220 44,740	116.4 201.0	41,340 68,240	119.6 201.4	40,990 66,510	116.6 199.6
45–54 years	8,480	404.0	8,070	402.2	67,840	416.7	65,010	418.5	99,600	409.2	95,660	413.3
55–64 years	16,100 33,570	1,043.3 2,379.1	15,330	993.4	133,820	1,106.3	134,800	1,107.6	198,090	1,090.3	201,680	1,104.1
75–84 years	44,770	5,380.5	33,190 42,140	2,377.3 5,183.6	286,730 386,990	2,596.2 5,970.0	278,800 371,200	2,544.7 5,838.0	421,420 565,860	2,541.7 5,825.2	414,830 550,140	2,527.4 5,781.8
85 years and over	35,490	13,479.5	33,680	13,316.9	322,250	15,781.4	300,600	15,277.0	467,840	15,303.9	446,730	15,200.1
Not stated	60	• • •	30	• • • •	350	• • • •	360	•••	570		680	
Age-adjusted rate ³	• • •	459.5	• • •	448.6	• • • •	491.4	• • • •	484.1	• • •	482.0		481.5
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, August 1992 and 1993, cumulative figures for 1992 and 1993, and 12 months ending with August 1992 and 1993—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Age-specific rates on an annual basis per 100,000 population in specified group; age-adjus rates per 100,000 U.S. standard million population; see Technical notes. Due to rounding of estimates, figures may not add to totals. For method of computation a information on standard errors of the estimates, see Technical notes]

		Aug	just			January-	-August		12	months end	ing with Aug	ust
_	19	93	15	992	19	93	19	92	19	93	19	92
Age, race, and sex	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
White male												
All ages	78,690	879.3	75,010	848.0	666,350	952.5	644,450	928.4	977,870	931.6	961,530	924
Under 1 year					8,330	² 784.3	8,150	² 757.4	12,300	² 771.2	12,590	² 780
1–4 years	- 1,740	88.5	1,500	77.3	1,980 2,770	46.3 27.5	1,850 2,650	44.3 26.5	2,900 3,910	45.5 26.0	2,660 3,850	42 25
5–14 years	1,720	136.8	1,750	138.6	12,160	123.1	12,450	124.8	18,150	122.2	19,240	128
25–34 years	2,720	184.3	2,790	186.6	21,050	181.2	20,790	176.0	30,780	176.2	30,750	173
35–44 years	3,920 5,350	269.5 516.4	3,840 5,170	270.1 522.1	31,940 43,400	281.8 540.1	31,450 41,710	282.1 544.4	48,330 63,520	284.7 528.8	46,950 61.140	281 535
45–54 years	9,620	1,300.0	9,510	1,287.2	81,950	1,413.8	82,790	1,421.8	120,990	1,389.6	123,610	1,414
65-74 years	19,500	3,110.2	18,670	3,019.1	166,010	3,386.1	160,640	3,313.7	243,520	3,309.6	240,400	3,311
	22,540	7,080.8	20,790	6,724.8	192,920 103,620	7,794.9 18,333.1	183,180	7,590.5 18,167.5	281,600 151,510	7,598.5 17,909.0	272,400 147,490	7,547 18,208
85 years and over Not stated	11,530 50	15,804.0	10,960 30	15,703.7	230	10,000.1	98,540 250	10,107.5	360	17,303.0	460	10,200
Age-adjusted rate ³	• • •	595.2	•••	581.9		637.5		629.9	•••	624.8	•••	627
White female												
•	74,330	799.1	71,500	777.0	644,180	885.6	616,950	853.9	943,030	864.0	914,480	844
Under 1 year	- 1,050	56.3	1,010	54.9	6,480 1,470	² 643.8 36.2	6,690 1,410	² 654.8 35.4	9,730 2,100	² 642.7 34.7	9,790 2,050	² 638 34
5–14 years	1,000	30.0	1,010	34.5	1,750	18.3	1,530	16.3	2,480	17.4	2,360	16
15–24 years	710	59.5	530	44.3	4,180	44.5	3,940	41.8	6,380	45.3	6,240	44 58
25–34 years	950 1,740	65.8 120.2	840 1,830	57.4 129.2	7,040 13,400	62.0 118.7	6,430 13,300	55.5 119.7	10,560 19,910	61.8 117.8	10,240 19,560	117
45–54 years	3,130	294.5	2,900	285.3	24,450	296.6	23,300	296.0	36,080	292.7	34,520	294
55–64 years	6,480	806.9	5,820	723.6	51,870	823.6	52,000	819.5	77,100	814.8	78,080	818
	14,070 22,240	1,794.4 4,328.9	14,520 21,350	1,867.0 4,237.9	120,730 194,070	1,966.0 4,842.9	118,160 188,010	1,934.3 4,765.8	177,900 284,260	1,929.1 4,731.4	174,440 277,740	1,905 4,702
85 years and over	23,960	12,588.6	22,720	12,407.1	218,630	14,804.9	202,060	14,177.0	316,330	14,307.1	299,240	14,058
Not stated	10		-		120		110		210		220	004
Age-adjusted rate ³ Black	• • •	347.2	•••	337.8	•••	371.1	•••	364.5	•••	364.5	•••	361
	23,890	873.3	22,320	831.7	190,390	892.1	182,020	866.1	279,040	872.2	270,110	858
Under 1 year	_0,000	0.0.0	,0_0	••••	7,180	² 1,676.9	7,580	² 1,777.8	10,720	² 1,667.2	11,440	² 1,795
1–4 years	1,220	162.5	1,300	176.9	1,280	76.5	1,280	77.9	1,720	69.2	1,840	75
5–14 years J	930	004.0	900	100 5	1,350	35.9 176.7	1,250	33.8	1,960	34.8 171.9	1,950 9,290	35 174
15–24 years	1,340	204.9 287.7	1,340	199.5 287.4	6,290 9,860	270.0	6,210 10,110	175.2 275.1	9,170 15,050	274.4	15,310	277
35–44 years	2,170	523.0	1,820	454.9	16,970	526.1	15,430	496.0	24,580	509.1	22,900	493
45–54 years	2,320 3,540	929.4 2,017.4	2,000 3,200	840.9 1,849.3	18,600 26,800	962.2 1,953.6	16,390 26,430	886.5 1,945.5	26,830 39,540	929.3 1,922.2	24,430 39,560	885 1,943
55–64 years	4,660	3,450.8	4,570	3,456.5	39,420	3,744.3	37,100	3,582.0	57,690	3,653.6	55,330	3,569
75-84 years	4,630	6,688.9	4,510	6,647.6	38,130	7,060.3	36,670	6,892.3	55,820	6,891.4	53,350	6,690
85 years and over Not stated	3,050 30	14,598.1	2,680 10	13,239.0	24,310 190	14,949.9	23,450 130	14,853.6	35,710 270	14,635.2	34,500 210	14,618
Age-adjusted rate ³		787.1		750.8		801.0		778.1	•••	783.1		778
Black male												
All ages		1,003.9	12,100	951.5	103,310	1,021.0	99,370	998.0	150,860	994.8	147,700	991
Under 1 year		400.5		***	4,200	² 1,938.8	4,220	² 1,959.1	5,970	² 1,836.9	6,250	² 1,941
1–4 years	≻ 730	192.0	750	201.6	690 800	82.1 40.9	680 770	82.4 41.1	920 1,180	73.1 41.3	980 1,180	79 42
15–24 years	770	339.7	640	284.3	4,920	277.2	4,900	277.2	7,160	268.7	7,180	271
25–34 years	950	431.2	870	394.6	6,860	397.9	7,110	408.8	10,510	405.3	10,880	417
35–44 years	1,450 1,420	750.4 1,255.2	1,230 1,190	661.3 1,103.7	11,120 11,580	740.5 1,319.9	10,050 10,020	695.6 1,198.3	16,020 16,640	713.0 1,271.2	15,060 14,940	698 1,198
55–64 years	2,090	2,737.3	1,880	2,493.9	15,590	2,612.6	15,330	2,593.6	22,610	2,523.4	23,190	2,614
65–74 years	2,380	4,258.7	2,410	4,418.2	20,940	4,805.9	20,600	4,821.5	30,960	4,741.2	30,710	4,805
75–84 years	2,200 990	8,840.7 16,189.5	2,190 940	9,009.1 15,854.4	17,780 8,670	9,164.4 18,087.3	17,680 7,920	9,255.8 16,992.9	26,010 12,680	8,938.1 17,611.1	25,440 11,750	8,89ŧ 16,78ŧ
Not stated	30	10,109.5	10	10,004.4	150	10,007.0	90	10,332.5	210	17,011.1	140	. 5,, 50
Age-adjusted rate ³		1,050.6		995.3		1,066.6		1,046.0		1,039.1		1,040
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, August 1992 and 1993, cumulative figures for 1992 and 1993, and 12 months ending with August 1992 and 1993—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Age-specific rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard million population; see Technical notes. Due to rounding of estimates, figures may not add to totals. For method of computation and information on standard errors of the estimates, see Technical notes]

		Auį	gust			January-	-August		12	months end	ing with Aug	just
	19	993	19	192	19	93	19	192	19	93	19	192
Age, race, and sex	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Black female												
All ages	10,870	755.6	10,220	723.9	87,080	775.9	82,650	747.5	128,180	761.8	122,420	739.4
Under 1 year	,				2,990	² 1,408.7	3,360	² 1,601.6	4,750	² 1,493.7	5,190	² 1,647.6
1–4 years	490	132.3	540	148.8	590	71.9	600	74.4	800	65.1	860	71.3
5-14 years	J				560	30.2	480	26.3	780	28.1	770	28.2
15–24 years	160	70.4	260	115.0	1,370	76.4	1,310	73.7	2,010	75.3	2,110	79.2
25–34 years	390	158.9	470	191.2	3,000	155.8	3,010	154.8	4,540	157.0	4,430	152.3
35–44 years	720	324.8	590	275.6	5,850	339.3	5,370	322.9	8,560	331.7	7,840	315.1
45–54 years	900	659.4	820	630.7	7,020	664.6	6,370	629.2	10,190	645.8	9,490	628.9
55-64 years	1,450	1,462.9	1,320	1,351.6	11,210	1,446.7	11,090	1,446.5	16,930	1,458.2	16,370	1,424.7
65–74 years	2,270	2,867.7	2,160	2,781.0	18,480	2,993.7	16,500	2,710.3	26,720	2,885.5	24,620	2,702.5
75–84 years	2,430	5,481.1	2,320	5,329.0	20,350	5,880.0	18,990	5,563.6	29,810	5,743.7	27,910	5,461.8
85 years and over	2,060	13,939.6	1,740	12,155.7	15,640	13,630.4	15,530	13,966.3	23,030	13,389.5	22,740	13,698.8
Not stated	-	• • •	_		40		40		60		70	
Age-adjusted rate ³	• • •	580.1	• • •	565.9		596.7		573.8		586.6		569.4

NOTES: Figures include all revisions received from the States. Cumulative and 12-month figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published. Rates for 1992 have been recomputed based on revised population estimates; see Technical notes.

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.

Table 6. Provisional number of deaths and death rates for 72 selected causes and Human immunodeficiency virus infection: United States, August 1992 and 1993, cumulative figures 1992 and 1993, and 12 months ending with August 1992 and 1993

[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]

		Aug	gust			January	-August		12 mon	ths end	ing with Aug	zust
	199	3	199)2	1993	3	1992	 2	1993	}	1992	2
Cause of death (Ninth Revision International Classification of Diseases, 1975)	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All causes	180,000	820.6	172,000	793.7	1,524,000	889.9	1,466,000	864.3	2,235,000	869.8	2,179,000	857.8
Shigellosis and amebiasis	_	*	_	*	_	*	-	*	_	*	_	*
Certain other intestinal infections	20	*	90	*	390	0.2	530	0.3	610	0.2	720	0.3
Tuberculosis	120 90	0.5	170 120	0.8 0.5	1,150 930	0.7 0.5	930 720	0.5 0.4	1,580 1,270	0.6 0.5	1,420 1,070	0.6 0.4
Other tuberculosis	30	*	40	*	220	0.1	210	0.1	310	0.1	350	0.1
Whooping cough	_	*	_	*	10	*	_	*	20	*	_	*
Streptococcal sore throat, scarlatina, and erysipelas	_	*		*		*		*	_	*		*
Meningococcal infection	20 1,580	7.2	20 1,700	7.9	200 13,630	0.1 8.0	130	0.1 8.1	300	0.1 7.7	190	0.1 8.0
Acute poliomyelitis		/.Z	1,700	7.9	13,630	8.0	13,730	0.1	19,820	/./ *	20,220	o.u *
Measles	_	*	-	*	_	*	_	*	_	*	_	*
Viral hepatitis		1.0	90	*	1,670	1.0	1,160	0.7	2,450	1.0	1,760	
Syphilis	10	*	-	*	50	*	60	*	60	*	110	0.0
diseases 1	3,100	14.1	3,100	14.3	28,290	16.5	25,290	14.9	41,960	16.3	37,210	14.6
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	46,230	210.8	43,800	202.5	353,290	206.2	346.870	204.5	526.940	205.1	519.080	204.3
Malignant neoplasms of lip, oral cavity, and pharynx140-149	580	2.6	670	3.1	5,210	3.0	5,210	3.1	8,020	3.1	7,660	3.0
Malignant neoplasms of digestive organs and peritoneum		50.6	10,560	48.8	81,510	47.6	81,590	48.1	121,540	47.3	121,560	47.8
Malignant neoplasms of respiratory and intrathoracic organs	12,990	59.2	12,530	57.9	102,520	59.8	100,310	59.1	153,650	59.8	150,820	59.4
Malignant neoplasms of genital organs	3,960 5,270	18.0 24.0	3,670 4,990	17.0 23.1	30,080 40,650	17.6 23.7	30,010 39,160	17.7 23.1	44,270 60,210	17.2 23.4	44,160 58.840	
Malignant neoplasms of urinary organs	1,790	8.2	1,780	8.2	14,550	8.5	15,000	8.8	21,770	8.5	21,670	8.5
Malignant neoplasms of all other and unspecified sites ,	5,960	27.2	5,160	23.8	44,060	25.7	41,600	24.5	65,580	25.5	63,060	24.8
Leukemia	1,720	7.8	1,610	7.4	12,780	7.5	12,730	7.5	19,270	7.5	19,220	7.6
Other malignant neoplasms of lymphatic and hematopoietic tissues	2,870	13.1	2,820	13.0	21,930	12.8	21,270	12.5	32,620	12.7	32,090	12.6
of unspecified nature	750	3.4	560	2.6	5,290	3.1	4,980	2.9	7,740	3.0	7,610	3.0
Diabetes mellitus	4,510	20.6	3,890	18.0	37,070	21.6	34,390	20.3	52,900	20.6	50,950	
Nutritional deficiencies	360 350	1.6 1.6	190 330	0.9 1.5	2,230 3,010	1.3 1.7	1,980 2,640	1.2 1.6	3,350 4,340	1.3 1.7	3,090 4,160	1.2 1.6
Meningitis	90	*	50	*	570	0.3	520	0.3	780	0.3	740	0.3
Major cardiovascular diseases	70,960	323.6	69,350	320.7	635,880		615,310		932,690	363.0	913,280	
Diseases of heart	55,660	253.9	55,600	257.1	498,490	291.0	486,040		731,420	284.7	720,070	
Rheumatic fever and rheumatic heart disease	420	1.9	450	2.1	3,780	2.2	4,010	2.4	5,730	2.2	5,790	2.3
Hypertensive heart disease	1,720 140	7.8 0.6	1,540 190	7.1 0.9	16,350 1,440	9.5 0.8	14,540 1,530	8.6 0.9	24,150 2,210	9.4 0.9	21,460 2,110	8.4 0.8
Ischemic heart disease		164.6		171.3	328,070	191.5	322,900		483,080	188.0	479,000	
Acute myocardial infarction	16,880	77.0	17,490	80.9	152,450	89.0	155,220	91.5	226,540	88.2	232,410	91.5
Other acute and subacute forms of ischemic heart disease	280	1.3	130	0.6	2,020	1.2	1,930	1.1	2,930	1.1	3,010	1.2
Angina pectoris	30	*	40	*	440	0.3	660	0.4	810	0.3	930	0.4
chronic ischemic heart disease	18.900	86.2	19.380	89.6	173,150	101.1	165.090	97.3	252,800	98.4	242.660	95.5
Other diseases of endocardium	980	4.5	1,060	4.9	9,390	5.5	10,050	5.9	14,270	5.6	14,240	5.6
All other forms of heart disease	16,310	74.4	15,320	70.8	139,470	81.4	199,000	76.4	201,970	76.6	197,470	
Hypertension with or without renal disease	720	3.3	790	3.6	7,020	4.1	6,500	3.8	10,160	4.0	9,270	3.6
Cerebrovascular diseases	11,270 1,440	51,4 6,6	10,160 1,540	47.0 7.1	100,780 14,530	58.8 8.5	95,990 13,960	56.6 8.2	148,110 21,590	57.6 8.4	143,090 21,200	56.3 8.3
Cerebral thrombosis and unspecified occlusion of cerebral arteries	1,070	4.9	1,130	5.2	10,610	6.2	10,170	6.0	15,770	6.1	15,570	6.1
Cerebral embolism	10	*	50	*	320	0.2	470	0.3	540	0.2	670	0.3
All other and late effects of cerebrovascular diseases	8,740	39.9	7,440	34.4	75,310	44.0	71,390	42.1	110,220	42.9	105,640	41.6

Human immunodeficiency virus infection ²	2,490	11.4	2,490	11.5	23,440	13.7	20,800	12.2	34,940	13.6	30,680	12.1
All other accidents and adverse effects	3,950 4,190 2,790 2,170 240	18.0 19.1 12.7 9.9 1.1	3,870 4,090 2,310 2,230 190	17.9 18.9 10.7 10.3 0.9	25,860 30,790 19,800 16,320 1,750	15.1 18.0 11.6 9.5 1.0	26,930 29,520 19,600 17,480 1,350	15.9 17.4 11.6 10.3 0.8	39,980 44,590 28,910 24,630 2,510	15.6 17.4 11.3 9.6 1.0	41,790 44,220 28,710 26,400 1,980	16.4 17.4 11.3 10.4 0.8
Accidents and adverse effects	8,140 3,950	37.1 18.0	7,960 3.870	36.8 17.9	56,650 25,860	33.1 15.1	56,450	33.3	84,560	32.9	86,020	33.9
Symptoms, signs, and ill-defined conditions	3,140 15,610	14.3 71.2	2,800 13,490	4.7 12.9 62.4	26,800 132,360	5.0 15.6 77.3	8,350 23,900 119,600	4.9 14.1 70.5	12,630 38,460 191,640	4.9 15.0 74.6	12,750 36,440 178,540	5.0 14.3 70.3
respiratory distress syndrome	270 1,130	1.2 5.1	260 1,020	1.2 4.7	1,880 8.520	1.1 5.0	2,100	1.2	2,940	1.1	2,970	1.2
Certain conditions originating in the perinatal period	1,400	6.4	1,280	5.7 5.9	7,650 10,400	4.5 6.1	8,510 10,440	5.0 6.1	11,560 15,570	4.5 6.1	12,190 15,720	4.8 6.2
Other complications of pregnancy, childbirth, and the puerperium	10 980	* 4.5	20 1,230	* = 7	150	0.1	120	0.1	270	0.1	240	0.1
Pregnancy with abortive outcome	10	*	_	*	40	*	10	*	60	*	20	*
Complications of pregnancy, childbirth, and the puerperium	20	*	20	*	190	0.1	130	0.1	340	0.1	260	0.1
Hyperplasia of prostate	60	*	30	v.5 *	710 310	0.4 0.2	760 240	0.4 0.1	1,010 390	0.4 0.2	1,100 300	0.4 0.1
small kidney of unknown cause	1,690 40	7.7	1,540 110	7.1 0.5	15,840	9.2	14,020	8.3	22,990	8.9	21,290	8.4
acute or chronic, and renal sclerosis, unspecified	120	0.5	80	*	1,050	0.6	1,020	0.6	1,530	0.6	1,520	0.6
Chronic glomerulonephritis, nephritis and nephropathy, not specified as			•-									0.1
Acute glomerulonephritis and nephrotic syndrome	1,830 20	8.3 *	1,620	7.5 *	17,100 210	10.0 0.1	15,240 210	9.0 0.1	24,800 270	9.7 0.1	23,110 300	9.1 0.1
Cholelithiasis and other disorders of gallbladder	260	1.2	190	0.9	1,810	1.1	2,120	1.3	2,690	1.0	3,050	1.2
Chronic liver disease and cirrhosis	1,990	9.1	2,350	10.9	16,020	9.3	16,600	9.8	24,280	9.4	24,770	9.7
mention of hernia	530	2.4	420	1.9	3.720	2.2	3,770	2.2	5.830	2.3	5.740	2.3
Appendicitis	30	*	20	*	310	0.2	240	0.1	370	0.1	340	0.1
Ulcer of stomach and duodenum	530	2.4	470	2.2	4,010	2.3	3,950	2.3	5,830	2.3	5,880	2.3
Other chronic obstructive pulmonary diseases and allied conditions	4,810	21.9	4,650	21.5	50,980	29.8	45,950	27.1	70,950	27.6	65,420	25.7
Asthma	320	1.4	260	1.2	3,520	2.0	3,270	1.9	17,980 4,900	1.9	16,670 4,720	6.6 1.9
Bronchitis, chronic and unspecified	340 1.040	1.5 4.7	250 1,250	1.1 5.8	2,530 12,660	1.5 7.4	2,740 11,320	1.6 6.7	3,670	1.4 7.0	3,910	1.5
Chronic obstructive pulmonary diseases and allied conditions	6,510	29.7	6,410	29.6	69,690	40.7	63,270	37.3	97,500	37.9	90,710	35.
Influenza	J,J 10 	*	10	20.0 *	54,870 690	32.0 0.4	52,420 1,090	30.9 0.6	77,160 740	30.0 0.3	75,340 1,550	29.1 0.0
Pneumonia and influenza	5,310 5,310	24.2 24.2	5,170 5.160	23.9 23.8	55,560	32.4	53,510	31.5	77,910	30.3	76,890	30.
Acute bronchitis and bronchiolitis	30	*	20	*	420	0.2	320	0.2	600	0.2	500	0.2
Other diseases of arteries, arterioles, and capillaries	1,920	8.7	1,550	7.2	17,930	10.5	16,000	6.3 9.4	17,000 25,990	6.6 10.1	16,390 24,460	6.5 9.6
Atherosclerosis	1,390	6.3	1.250	5.8	11.650	6.8	10,770	6.2	17 000		10,000	٠.

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.

NOTES: Figures include all revisions received from the States. Cumulative and 12-month figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published. Rates for 1992 have been recomputed based on revised population estimates; see Technical notes.

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, August 1992 and 1993, cumulative figures 1992 and 1993, and 12 months ending with August 1992 and 1993

[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]

		Aug	gust			January	-August		12 mo	nths end	ling with Au	ıgust
	199	3	199)2	199	3	199	2	199	3	199)2
Cause of death (Ninth Revision International Classification of Diseases, 1975)	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Malignant neoplasms, including neoplasms of lymphatic and hematopoletic tissues 1	46,230	210.8	43,800	202.5	353,290	206.2	346,870	204.5	526,940	205.1	519,080	204.3
Malignant neoplasm of esophagus	920	4.2	980	4.5	6,670	3.9	7,140	4.2	10,130	3.9	10,100	4.0
Malignant neoplasm of stomach	1,250	5.7	1,180	5.5	9,350	5.5	8,910	5.2	13,400	5.2	13,780	5.4
Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus	4,760	21.7	4,680	21.6	37,200	21.7	38,410	22.6	55,970	21.8	57,330	22.6
Malignant neoplasm of pancreas	2,610	11.9	2,340	10.8	17,640	10.3	17,170	10.1	26,320	10.2	25,260	9.9
Malignant neoplasms of trachea, bronchus, and lung	12,560	57.3	12,030	55.6	99,220	57.9	97,120	57.3	148,620	57.8	145,790	57.4
Malignant melanoma of skin	580	2.6	650	3.0	4,370	2.5	4,610	2.7	6,510	2.5	6,780	2.7
Malignant neoplasm of cervix uteri	440	2.0	450	2.1	3,140	1.8	2,880	1.7	4,530	1.8	4,340	1.7
Malignant neoplasms of body of uterus and of uterus, part unspecified	460	2.1	690	3.2	3,810	2.2	4,430	2.6	5,760	2,2	6,200	2.4
Malignant neoplasm of ovary	1,050	4.8	1,010	4.7	8,590	5.0	8,350	4.9	12,940	5.0	12,760	5.0
Malignant neoplasm of prostate	3,190	14.5	2,680	12.4	24,010	14.0	22,230	13.1	35,360	13.8	33,630	13.2
Malignant neoplasm of bladder		4.0	950	4.4	7,320	4.3	7,540	4.4	10,790	4.2	10.870	4.3
Malignant neoplasms of kidney and other and unspecified urinary organs	910	4.1	840	3.9	7,230	4.2	7,460	4.4	10,980	4.3	10,800	4.3
Malignant neoplasms of brain and other and unspecified parts of nervous system		3.9	800	3.7	7.500	4.4	6,860	4.0	11,240	4.4	10,920	4.3
Hodgkin's disease	160	0.7	210	1.0	1,110	0.6	1,140	0.7	1,610	0.6	1,820	0.7
Malignant lymphoma other than Hodgkin's disease	1.900	8.7	1,770	8.2	14,160	8.3	13,680	8.1	21,210	8.3	20,570	8.1
Multiple myeloma and other immunoproliferative neoplasms	800	3.6	840	3.9	6,650	3.9	6,450	3.8	9,790	3.8	9,710	3.8

¹Includes figures for subcategories not shown below.

NOTES: Figures include all revisions received from the States. Cumulative and 12-month figures for the current year reflect revisions received for previous months, and figures for earlier years may differ from those previously published. Rates for 1992 have been recomputed based on revised population estimates; see Technical notes.

Table 8. Provisional number of deaths under 1 year and infant mortality rates, by age and for 10 selected causes: United States, August 1992 and 1993, cumulative figures 1992 and 1993, and 12 months ending with August 1992 and 1993

[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]

	Au		ugust		January–August				12 months ending with August			
	199	93	199)2	199	3	199	2	199	3	199	92
Age and cause of death (Ninth Revision International Classification of Diseases, 1975)	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Total, under 1 year	2,700	777.0	2,700	793.7	22,600	842.9	23,200	855.5	33,800	838.5	35,000	855.6
Under 28 days		536.5 241.3	1,850 870	539.0 253.5	14,110 8,480	526.6 316.5	14,710 8,500	542.2 313.3	21,190 12,630	525.3 313.1	21,930 13,020	536.8 318.7
Certain gastrointestinal diseases	10 50	*	40 30	*	120 400	4.5 14.9	260 440	9.6 16.2	200 580	5.0 14.4	350 580	8.6 14.2
Congenital anomalies	560 480	159.0 136.3	750 340	218.5 99.1	4,390 2,910	163.8 108.6	5,090 2,520	187.6 92.9	6,790 4,170	168.3 103.4	7,330 3,940	179.4 96.4
Birth trauma	30 30	*	30 80	*	120 410	4.5 15.3	130 420	4.8 15.5	150 680	3.7 16.9	220 610	5.4 14.9
Respiratory distress syndrome		56.8 184.5	150 670	43.7 195.2	1,320 5,500	49.3 205.3	1,500 5,710	55.3 210.5	2,070 8,310	51.3 206.0	2,070 8,640	50.7 211.5
Sudden infant death syndrome	250 480	71.0 136.3	230 400	67.0 116.5	3,030 4,380	113.1 163.5	2,710 4,430	99.9 163.3	4,510 6,360	111.8 157.7	4,350 6,860	106.5 167.9

Technical notes

Nature and sources of data

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

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

Figures for births, deaths, and infant deaths for California 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 in tables 2–4 also are 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 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 and, therefore, in effect, exclude events to nonresidents of the United States. Events to nonresidents of the United States are

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

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

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

Random variation—Although the counts in this report are not subject to sampling variability (except the Current Mortality Sample), they may be affected by random variation. When the number of events is small and the probability of such an event is small, considerable caution must be observed in interpreting the data. Such infrequent events may be assumed to follow a Poisson probability distribution. For this distribution a simple approximation may be used to estimate the random variation, as follows:

If N is the number of events in the population and R is the corresponding rate, the chances are 19 in 20 that

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

covers the "true" number of events.

2.
$$R-2\frac{R}{\sqrt{N}}$$
 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 pe 1,000 or 100,000 estimated population residing in the United States. The popu lations used for computing these rates are furnished by the U.S. Bureau of the Census. The population bases used to compute rates for 1992 and 1993 were based on the 1990 Census enumeration (not adjusted for undercount) comparable to those used for 1990 and 1991 fina data. Population bases were not the same as those used for the Monthly Vital Statistics Report for each month from January through December 1992; therefore, the rates may not be the same as those previously published. Monthly rates are based on populations estimated for the specific month. Year-to-date rates are averages of monthly rates that have been weighted by the number of days in the corresponding months. Rates for 12-month periods are the sum of events for the period per population estimated at the midpoint of the period.

Infant mortality rates are deaths under 1 year of age for the specified period (monthly, year-to-date, 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 earlier in Nature and sources of data. Because monthly infant mortality rates are based on relatively few events, they are highly variable. Therefore, comparisons of monthly infant mortality rates should be interpreted cautiously; see Random variation.

Age-adjusted death rates are used to make comparisons of relative mortality risks across groups and over time. However, they should be viewed as constructs or indexes rather than as direct or actual measures of mortality risk. Statistically, they are weighted averages of the age-specific death rates, where the weights

represent the fixed population proportions by age. See chapter 5 of an earlier report (2). The age-adjusted death rates presented in this report were computed by the direct method, that is, by applying age-specific death rates to the U.S. standard million population (3). See also chapter 10 of an earlier report (2). Age groups in table 5 of this report were used to compute the age-adjusted rates shown in that table. The age-adjusted death rates on which the State maps are based and that are shown with the State maps were computed from average annual agespecific death rates in 10-year age groups for the specified 3-year period. The average annual age-specific death rates were computed by dividing the number of deaths in an age group for the 3-year period by three times the population in that age group estimated at the midpoint of the period (4). It is important not to compare age-adjusted rates with crude

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 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, the National Center for Health Statistics introduced category numbers *042-*044 for classifying and coding human immunodeficiency virus (HIV) infection. The asterisk before the category numbers indicates that these codes

are not part of the Ninth Revision of the International Classification of Diseases. Deaths classified to these categories are included in All other infectious and parasitic diseases in the List of 72 Selected Causes of Death and are also shown separately at the bottom of table 6.

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

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

Unless otherwise specified, comparisons made in the text between death rates

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

Relative standard error

of actimate (ac narcent)

	or estimate (as percent)					
Estimated number of deaths	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				

based on the CMS were statistically significant at the 0.05 level of significance. Lack of comment in the text about any two rates does not mean that the difference was tested and found not to be significant at this level.

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

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

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

e
independent and normally
distributed with means 0 and
constant variances,

e
independent and normally
distributed with means 0.

constant variances,

e
independent and normally
distributed with means 0.

constant variances,

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independent and normally
distributed with means 0.

e
independent and normally
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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 1984 through the month that is 12 months prior to the latest month shown in the chart. The graph of the estimated equation and 95-percent prediction intervals is shown from January 1986 through the month that is 12 months prior to the latest month shown in the chart; the graph for the subsequent 12 months is projected (5) Symbols in each chart represent actual monthly death rates based on the CMS In some cases, the data are converted by the natural logarithm before fitting the model. For graphical purposes, the data are converted back to rates by the inverse of the natural logarithm. This procedure has the advantage of avoiding negative prediction intervals for the model. The models. parameter estimates. statistical tests for lack of fit are available on request for the charts published in

the MSS. Time series regression models have been used previously to describe trends in mortality data (6–8). A list of MSS cause-of-death topics and comparable *Healthy People 2000* (1) objectives is presented on the back of this report.

State maps

Unlike other data presented in this report, the State maps are based on final instead of provisional data. The ageadjusted death rates used to produce the State maps were computed by using a 3-year total number of deaths for 1988-90 and the 1989 population estimated as of July 1, 1989 (4). Assigning the States into the given categories on the maps was carried out in two steps: a) determining whether the State ageadjusted death rate differed significantly from the corresponding U.S. rate at the 0.05 level of significance; b) then grouping the State rates found to be significantly different from the U.S. rate into the four categories: 10 highest State rates of those significantly greater than the U.S. rate, remaining State rates significantly greater than the U.S. rate, 10 lowest State rates of those significantly lower than the U.S. rate, and remaining State rates significantly lower than the U.S. rate. Age-adjusted death rates and the corresponding 95-percent confidence intervals are shown in the tables. The symbols "†" and "††" in the tables are used to denote State rates that differ significantly from the U.S. rate at the 0.05 and 0.01 levels of significance, respectively. Different procedures were used to determine tests of statistical significance and confidence intervals, depending on the number of deaths.

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

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

where

 R'_{s} = age-adjusted rate for 1988–90 for the given State per 100,000 standard population

R'_{us} = age-adjusted rate for 1988-90 for the United States per 100,000 standard population

 $S^2(R'_s)$ = estimated variance of the age-adjusted death rate for 1988–90 for the State

 $S^2(R'_{us})$ = estimated variance of the age-adjusted death rate for 1988–90 for the United States

The variance of the age-adjusted death rate was computed in terms of the variances of age-specific death rates (9) under the assumption that the age-specific death rates are binomial proportions (10). The 95-percent confidence limits were estimated as follows:

Lower limit = $R'_s - 1.96 \cdot S(R'_s)$ and

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 (11). The difference between the State and U.S. age-adjusted rates was determined to be statistically significant at the 0.05 or 0.01 level if the rates' respective 95-percent or 99-percent confidence limits did not overlap.

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

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

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

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

n = number of age groups = 11.

The difference between the State and U.S. age-adjusted rates was determined to

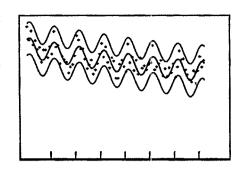
be statistically significant at 0.05 level if $3.00 \le \lambda < 4.61$. The difference between the State and U.S. age-adjusted rates was determined to be statistically significant at 0.01 level if $\lambda \ge 4.61$ (12). For zero deaths, confidence limits for the age-adjusted death rates are not applicable.

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Mortality Surveillance System topics

MVSR issue Cause-of-death		Healthy People 2000 Objective Number		
Vol. 41 No. 10	Suicide	6.1 (7.2)		
Vol. 41 No. 11	Accidents and adverse effects, Homicide and legal intervention	9.1, 7.1		
Vol. 41 No. 12	Infant mortality, Neonatal mortality, Postneonatal mortality, and Sudden infant death syndrome	14.1		
Vol. 42 No. 1	Human immunodeficiency virus infection	(¹)		
Vol. 42 No. 2	Cerebrovascular diseases	15.2		
Vol. 42 No. 3	Chronic obstructive pulmonary diseases and allied conditions	3.3		
Vol. 42 No. 4	Diabetes mellitus	17.9		
Vol. 42 No. 5	Diseases of heart	1.1 (2.1, 3.1, 15.1)		
Vol. 42 No. 6	Malignant neoplasms including neoplasms of lymphatic and hematopoietic tissues	2.2 (16.1)		
Vol. 42 No. 7	Malignant neoplasms of trachea, bronchus, and lung	3.2 (16.2)		
Vol. 42 No. 8	Malignant neoplasm of prostate, Malignant neoplasm of breast	(²), 16.3		
Vol. 42 No. 9	Motor vehicle accidents	9.3		



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

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¹No Healthy People 2000 objective exists that addresses mortality from this cause. See Chapter 18 for objectives related to Human immunodeficiency virus infection.

No Healthy People 2000 objective exists that addresses mortality from Malignant neoplasm of prostate.