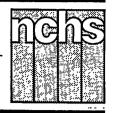
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Monthly Vital Statistics Report



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

Births, Marriages, Divorces, and Deaths for July 1993

Mortality Surveillance System

pages 4-7

Malignant neoplasms of trachea, bronchus, and lung:

65 years and over by sex and race

State Maps

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Malignant neoplasms of respiratory and intrathoracic organs 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 357,000 births occurred in the

United States during July 1993. This was a 1-percent increase from the provisional number reported for the same month of the previous year (352,000). The birth rate, 16.3 live births per 1,000 population, was the same as the rate for July 1992. The fertility rate, 71.2 live births per 1,000 women aged 15–44 years, was 1 percent higher than the comparable rate for July 1992 (70.5). The seasonally adjusted fertility rate (68.4) was also 1 percent higher than the comparable rate for July 1992 (67.8).

During the first 7 months of 1993, an estimated 2,333,000 births occurred, a 2-percent decrease from the 2,375,000 reported for the first 7 months of 1992. The birth rate declined by 3 percent from

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]

		July				January-Ju	ıly		12 i	months ending	with July	
	Nun	nber	Ra	ate	Nun	nber	Re	ate	Nun	nber	Ra	ate
Item	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992
Live births	357,000	352,000	16.3 71.2	16.3 70.5	2,333,000	2,375,000	15.6 68.0	16.0 69.2	4,043,000	4,107,000	15.7 68.5	16.2 69.6
Deaths	184,000	180,000	8.4	8.3	1,344,000	1,294,000	9.0	8.7	2,227,000	2,179,000	8.7	8.6
Infant deaths	2,800	2,800	7.8	8.1	19,900	20,500	8.5	8.6	33,800	35,000	8.4	8.6
Natural increase	173,000	172,000	7.9	8.0	989,000	1,081,000	6.6	7.3	1,816,000	1,928,000	7.0	7.6
Marriages	236,000	228,000	10.8	10.5	1,295,000	1,313,000	8.7	8.8	2,343,000	2,368,000	9.1	9.3
Divorces	103,000	109,000	4.7	5.1	697,000	715,000	4.7	4.8	1,196,000	1,206,000	4.7	4.7
Population base (in millions)			257.9	255.1							256.7	253.9

NOTE: 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.





Centers for Disease Control and Prevention
National Center for Health Statistics



16.0 in 1992 to 15.6 in 1993. The fertility rate for the first 7 months of 1993 was 68.0, 2 percent lower than the rate for the same period of 1992 (69.2).

An estimated 4,043,000 live births occurred in the 12-month period ending with July 1993, a decline of 2 percent from the 4,107,000 births reported for the same period a year earlier. The birth rate of 15.7 was 3 percent lower than the rate of 16.2 for the preceding 12 months. The fertility rate for the most recent 12-month period was 68.5, 2 percent lower than the rate for the 12 months ending with July 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 173,000 people, or 7.9 persons per 1,000 population, were added to the population during July 1993.

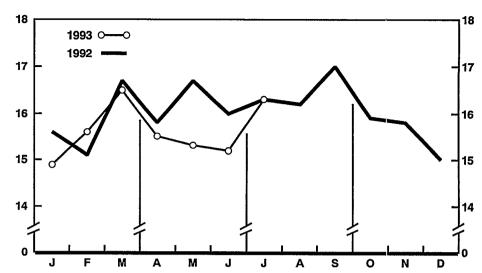
For the 12-month period ending with July 1993, 1,816,000 persons were added to the population. This represents a rate of natural increase of 7.0, 8 percent lower than the rate of 7.6 for the preceding 12-month period. The decline in the rate of natural increase is due to a decrease in the birth rate and a rise in the death rate.

Marriages

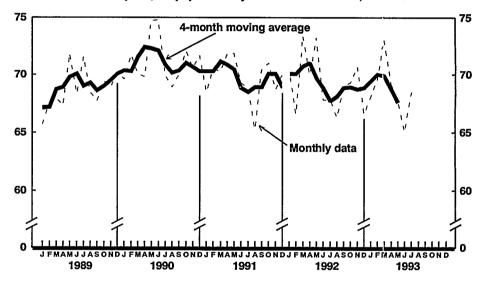
The estimated number of marriages performed in July 1993 was 236,000, a 4-percent increase over the number for July a year ago (228,000). The marriage rate for July 1993 (10.8 per 1,000 population) was 3 percent higher than for the same month of the previous year (10.5).

Despite the increase in the number of marriages for July, the cumulative number of marriages for January–July was 1 percent lower in 1993 (1,295,000) than the cumulative number of marriages in 1992 (1,313,000). The marriage rate for the 7-month period was 1 percent lower in 1993 (8.7) than in 1992 (8.8).

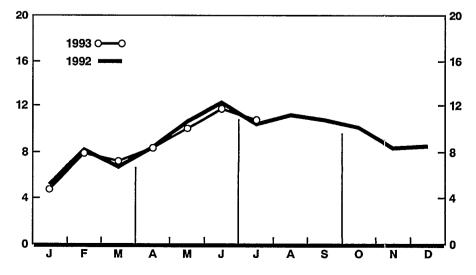
There were 2,343,000 marriages performed during the 12 months ending with July 1993, 1 percent fewer than for the same period a year earlier (2,368,000). The marriage rate for the most recent 12-month period (9.1) was 2 percent lower than the rate for the 12 months ending with July 1992 (9.3).



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

The provisional number of divorces granted in July 1993 totaled 103,000, compared with 109,000 in July 1992. The divorce rate per 1,000 population for the month dropped from 5.1 in 1992 to 4.7 in 1993.

For the first 7 months of 1993 there were 697,000 divorces granted, 3 percent fewer than for the same period of the previous year (715,000). The divorce rate for the 7-month period dropped 2 percent, from 4.8 in 1992 to 4.7 in 1993.

For the 12 months ending with July 1993 an estimated 1,196,000 divorces were granted, 10,000 fewer than for the same period a year earlier (1,206,000). Despite the drop in the number, the divorce rate for the 12-month period was 4.7 for both years.

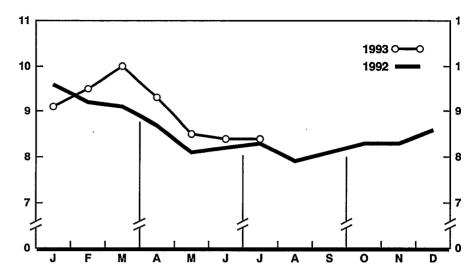
Deaths

For July 1993 there were an estimated 184,000 deaths in the United States. The death rate was 8.4 deaths per 1,000 population, 1 percent higher than the rate for July a year earlier. Among the 184,000 deaths for July 1993 were 2,800 deaths at ages under 1 year.

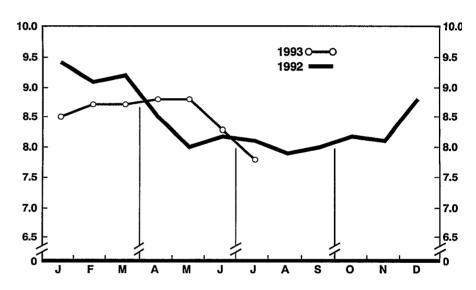
According to provisional statistics there were 1,344,000 deaths during the first 7 months of 1993, 4 percent higher than the number estimated for January–July 1992 (1,294,000). The death rate, 9.0 per 1,000 population, was 3 percent higher than the January–July 1992 rate of 8.7. Among the 1,344,000 deaths for the first 7 months of 1993 were 19,900 deaths at ages under 1 year, yielding an infant mortality rate of 8.5 per 1,000 live births, compared with a rate of 8.6 for the first 7 months of 1992. The change in the infant mortality rate was not statistically significant.

The death rate for the 12 months ending with July 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, 2 percent lower than the rate of 8.6 for the 12 months ending with July 1992.

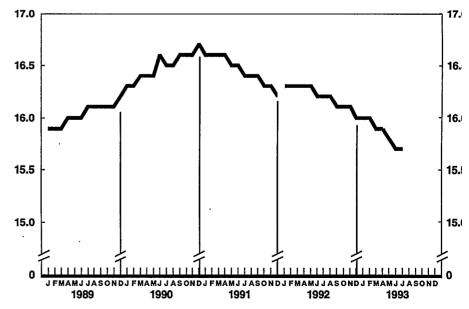
Current Mortality Sample, 12 months ending with June 1993—The provisional death rate for the 12 months ending with



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

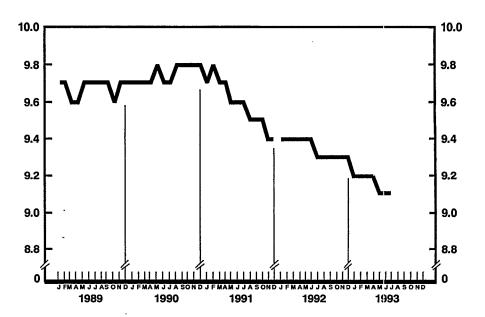
June 1993 was 866.5 deaths per 100,000 population, 1 percent higher than the rate of 858.4 for the 12-month period ending with June 1992. The provisional ageadjusted death rate for the 12-month period ending with June 1993 was 508.6 deaths per 100,000 U.S. standard million population, compared with a rate of 510.0 for the comparable period a year earlier. The change in the age-adjusted death rate was not statistically significant. Ageadjusted 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 ageadjusted death rates decreased for white males but increased for black females. By age, the death rate for the total population decreased for the age groups 15-24 years and 55-64 years.

Among the major causes of death the estimated death rate increased between the two successive 12-month periods for Chronic obstructive pulmonary diseases and Human immunodeficiency virus infection. The death rate decreased between the two successive 12-month periods for Accidents and adverse effects and Homicide and legal intervention.

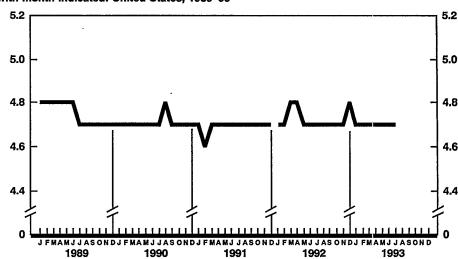
The infant mortality rate for the 12 months ending with June 1993 was 844.6 per 100,000 live births, 2 percent lower than the rate of 862.2 for the same period a year earlier. For infants under 28 days, the 12-month rate ending with June 1993 was 529.3, compared with a rate of 542.1 for the 12-month period a year earlier. The infant mortality rate for infants 28 days to 11 months was 315.2, compared with a rate of 320.0 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

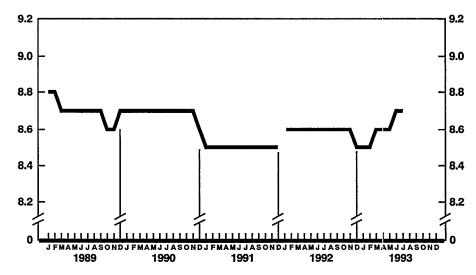
Discussed this month are recent trends in death rates for Malignant neoplasms of trachea, bronchus, and lung for the black and white populations by sex for ages 65 years and over. In this issue, final mortality data are analyzed for data



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

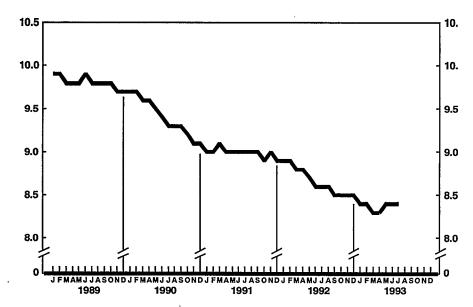


Provisional death rates per 1,000 population for successive 12-month periods ending with month indicated: United States, 1989–93

year 1990 and provisional data from January 1984—December 1992.

In 1990, Malignant neoplasms of trachea, bronchus, and lung, a major cause of cancer mortality, accounted for 92,733 deaths, or 6 percent of all deaths and 27 percent of all cancer mortality for persons aged 65 years and over. Among black women aged 65 years and over, Malignant neoplasms of trachea, bronchus, and lung accounted for 2,397 deaths, or 3 percent of all deaths and 17 percent of all cancer deaths for these women and among white women, 30,238 deaths, or 4 percent of all deaths and 21 percent of all cancer deaths for this age-race-sex group. Among black men aged 65 years and over, Malignant neoplasms of trachea, bronchus, and lung accounted for 5,711 deaths or 9 percent of all deaths and 30 percent of all cancer deaths for these men and among white men, 53,446 deaths or 8 percent of all deaths and 33 percent of all cancer deaths for this age-race-sex group.

Based on 1990 final data, the death rate for Malignant neoplasms of trachea, bronchus, and lung for black men aged 65 years and over was 1.3 times the rate for white men and 3.8 times the rate for black women in this age group; for white women aged 65 years and over, the rate was 1.2 times the rate for black women in this age group. The rate for white men was 2.6 times the rate for white women. Trends based on provisional data for Malignant neoplasms of trachea, bronchus, and lung for these demographic groups are presented in the Mortality Surveillance System charts and accompanying text that follow.

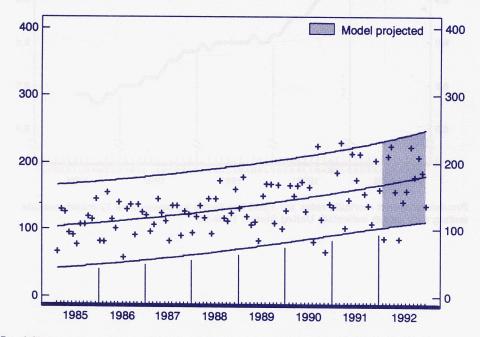


Provisional infant mortality rates per 1,000 live births for successive 12-month periods ending with month indicated: United States, 1989–93

Mortality Surveillance System charts

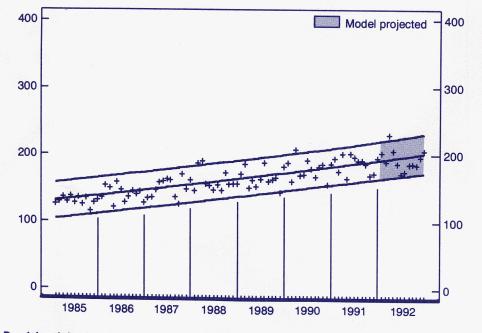
[Observed and fitted provisional monthly death rates and 95-percent prediction intervals. Model fitted using death rates for January 1984–December 1991; projected for January 1992–December 1992. See Technical notes]

Trends in mortality from Malignant neoplasms of trachea, bronchus, and lung are presented in the charts below. Slowing the rise of mortality from lung cancer (excluding trachea and bronchus) is addressed in *Healthy People 2000* (objectives 3.2 and 16.2) (1).



Provisional death rates per 100,000 black females 65 years and over for Malignant neoplasms of trachea, bronchus, and lung by month: United States, 1985–92

- For the modeled period, provisional death rates increased.
- For the projection period, observed provisional monthly death rates, except for 2 months, fell within 95-percent prediction intervals.



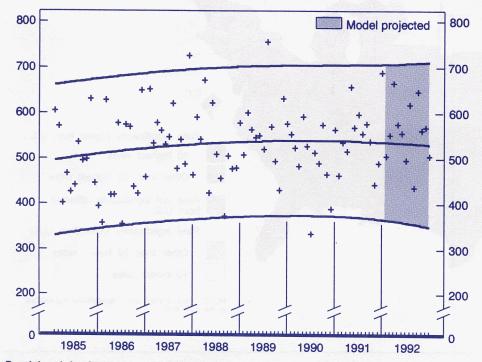
Provisional death rates per 100,000 white females 65 years and over for Malignant neoplasms of trachea, bronchus, and lung by month: United States, 1985–92

- For the modeled period, provisional death rates increased.
- For the projection period, observed provisional monthly death rates, except for 1 month, fell within 95-percent prediction intervals.

Mortality Surveillance System charts—Con.

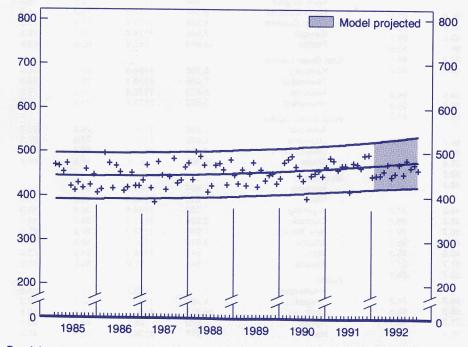
[Observed and fitted provisional monthly death rates and 95-percent prediction intervals. Model fitted using death rates for January 1984—December 1991; projected for January 1992—December 1992. See Technical notes]

Trends in mortality from Malignant neoplasms of trachea, bronchus, and lung are presented in the charts below. Slowing the rise of mortality from lung cancer (excluding trachea and bronchus) is addressed in *Healthy People 2000* (objectives 3.2 and 16.2) (1).



Provisional death rates per 100,000 black males 65 years and over for Malignant neoplasms of trachea, bronchus, and lung by month: United States, 1985–92

- For the modeled period, provisional death rates increased through 1988 and then leveled off.
- For the projection period, observed provisional monthly death rates fell within 95-percent prediction intervals.

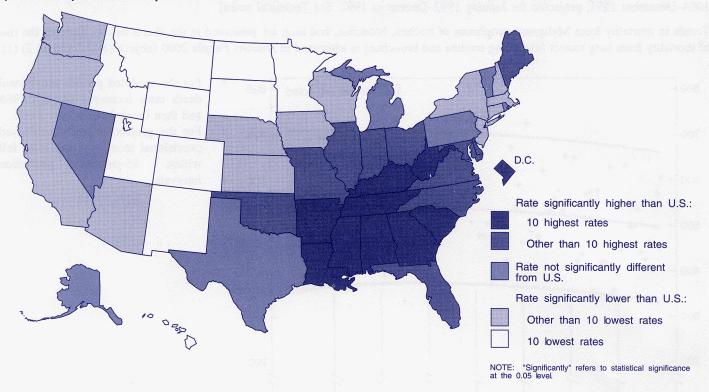


Provisional death rates per 100,000 white males 65 years and over for Malignant neoplasms of trachea, bronchus, and lung by month: United States, 1985–92

- For the modeled period, provisional death rates increased slightly since 1987.
- For the projection period, observed provisional monthly death rates fell within 95-percent prediction intervals.

Final 3-year total number of deaths and average annual age-adjusted death rates and 95-percent confidence limits for Malignant neoplasms of respiratory and intrathoracic organs for males: United States and each State, 1988–90

[Data are final by State of residence]

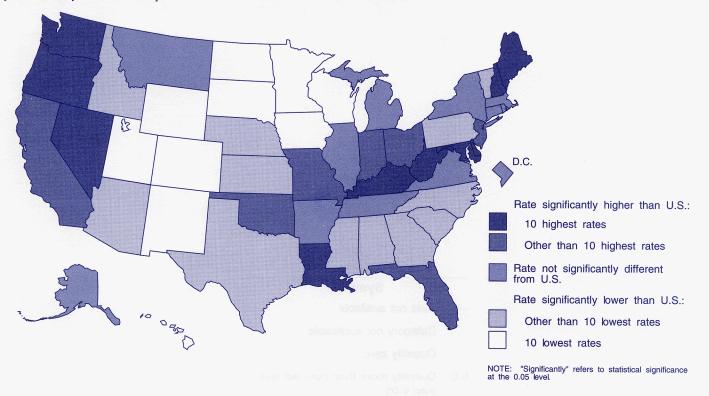


	Deaths, 3-year total	Age-adjusted rate	and the state of the state of the state of	confidence nits		Deaths, 3-year total	Age-adjusted rate	95-percent lin	confidence nits
Area	(final)	(final)	Lower	Upper	Area	(final)	(final)	Lower	Upper
United States	279,737	60.7	60.5	60.9	South Atlantic—Con.				
New England					West Virginia	2,885	††75.2	72.3	78.1
Maine	1,571	†64.6	61.3	67.9	North Carolina	8,444	††72.2	70.6	73.8
New Hampshire	1,072	††56.1	52.7	59.5	South Carolina	4,248	††73.6	71.4	75.8
Vermont	594	58.3	53.5	63.1	Georgia	7,306	††74.8	73.1	76.5
Massachusetts	6,424	1155.5	54.1	56.9	Florida	19,653	†61.9	60.9	62.9
Rhode Island	1,255	61.1	57.6	64.6	Foot Courth Control				
Connecticut	3,388	††51.2	49.4	53.0	East South Central				
	0,000	1101.2	45.4	55.0	Kentucky	5,736	††84.3	82.1	86.5
Middle Atlantic					Tennessee	7,056	††78.7	76.8	80.6
New York	18,974	††55.4	54.6	56.2	Alabama	5,633	††75.6	73.6	77.6
New Jersey	9,024	††58.7	57.5	59.9	Mississippi	3,532	††77.2	74.6	79.8
Pennsylvania	15,533	60.7	59.7	61.7	West South Central				
East North Central					Arkansas	3,839	††78.8	76.2	81.4
Ohio	13,551	1165.8	64.7	66.9	Louisiana	5,532	††79.1	77.0	81.2
Indiana	7.052	1168.8	67.2	70.4	Oklahoma	4,184	1168.2	66.1	70.3
Illinois	13,024	1160.0	61.2	63.4	Texas	16,405	61.6	60.6	62.6
Michigan	10,155	60.4	59.2	61.6		10,405	01.0	60.6	02.0
Wisconsin	4.842	1149.9	48.4	51.4	Mountain				
	4,042	1149.9	40.4	51.4	Montana	807	††47.6	44.2	51.0
West North Central					Idaho	810	††43.4	40.3	46.5
Minnesota	3,758	††45.7	44.2	47.2	Wyoming	362	††44.6	39.9	49.3
lowa	3,479	††57.2	55.2	59.2	Colorado	2,225	††41.4	39.7	43.1
Missouri	6,962	††68.4	66.7	70.1	New Mexico	1,049	††39.7	37.2	42.2
North Dakota	620	††46.0	42.1	49.9	Arizona	3,613	††50.0	48.3	51.7
South Dakota	679	††45.6	42.0	49.2	Utah	643	††26.4	24.3	28.5
Nebraska	1,745	††54.4	51.7	57.1	Nevada	1,346	61.9	58.6	65.2
Kansas	2,873	†57.9	55.7	60.1		1,040	01.0	30.0	05.2
	_,0.0	19.10	00	00.1	Pacific				
South Atlantic	000	1100 5	0.1.0		Washington	4,776	††53.7	52.1	55.3
Delaware	869	††69.5	64.8	74.2	Oregon	3,357	††57.0	55.0	59.0
Maryland	5,423	††68.0	66.2	69.8	California	24,618	††50.2	49.6	50.8
District of Columbia	805	††76.7	71.3	82.1	Alaska	279	56.1	49.2	63.0
Virginia	6,910	††67.9	66.3	69.5	Hawaii	817	††39.6	36.8	42.4

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

Final 3-year total number of deaths and average annual age-adjusted death rates and 95-percent confidence limits for Malignant neoplasms of respiratory and intrathoracic organs for females: 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	147,183	25.5	25.4	25.6	South Atlantic—Con.				
New England					West Virginia	1,420	††29.1	27.4	30.8
Maine	872	††29.6	27.4	31.8	North Carolina	3,415	††22.7	21.9	23.5
New Hampshire	651	†28.0	25.7	30.3	South Carolina	1,700	††22.6	21.5	23.7
Vermont	271	†22.1	19.2	25.0	Georgia	3,010	††23.5	22.6	24.4
Massachusetts	4.006	26.3	25.4	27.2	Florida	10,803	††27.8	27.2	28.4
Rhode Island	698	25.7	23.5	27.9	East South Central				
Connecticut	2,105	25.3	24.1	26.5	Kentucky	2,691	††32.0	00.7	00.0
Middle Atlantic	,				Tennessee	2,878	25.5	30.7 24.5	33.3 26.5
New York	11.343	25.0	04.5	05.5	Alabama	2,076	1†22.2	21.2	
New Jersey	5,280	†26.5	24.5 25.7	25.5 27.3	Mississippi	1,410	1122.2	22.4	23.2 25.2
Pennsylvania	8.067	120.5	23.3			1,410	123.0	22.4	25.2
	0,007	1123.9	23.3	24.5	West South Central				
East North Central					Arkansas	1,604	26.7	25.2	28.2
Ohio	7,107	††27.1	26.4	27.8	Louisiana	2,587	††28.5	27.3	29.7
Indiana	3,468	†26.7	25.7	27.7	Oklahoma	2,093	††27.7	26.4	29.0
Illinois	6,866	26.0	25.3	26.7	Texas	8,196	††24.5	23.9	25.1
Michigan	5,376	26.1	25.4	26.8	Mountain				
Wisconsin	2,414	††21.2	20.3	22.1	Montana	455	24.8	00.0	07.0
West North Central					Idaho	450 450	††22.0	22.3	27.3
Minnesota	1,986	††20.5	19.5	21.5	Wyoming	195	††20.8	19.8	24.2
lowa	1,537	††20.8	19.6	22.0	Colorado	1,264	††19.6	17.7 18.5	23.9 20.7
Missouri	3,402	†26.5	25.5	27.5	New Mexico	596	††19.3	17.7	
North Dakota	268	††18.5	16.0	21.0	Arizona	2,049	1119.3	22.9	20.9
South Dakota	310	††18.7	16.3	21.1	Utah	281	††10.0		25.1
Nebraska	824	††21.8	20.1	23.5	Nevada	816	††34.6	8.7 32.1	11.3
Kansas	1.349	1122.6	21.2	24.0		010	1134.0	32.1	37.1
South Atlantic	.,0 .0	1122.0		24.0	Pacific				
	400	1104.4	00.4		Washington	2,987	††28.5	27.4	29.6
Delaware	469	††31.4	28.4	34.4	Oregon	2,020	††29.7	28.3	31.1
Maryland	3,049	††29.7	28.6	30.8	California	16,082	††26.8	26.4	27.2
District of Columbia	411	27.6	24.7	30.5	Alaska	154	28.4	23.9	32.9
Virginia	3,342	25.7	24.8	26.6	Hawaii	380	††17.0	15.2	18.8

NOTE: 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)

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Table 1. Provisional number of live births, marriages, deaths, infant deaths, and rates, by month: United States, January 1992—July 199 [Data are provisional and are subject to monthly reporting variation; see Technical notes]

Live births Marriages Deaths Infant deaths Rate per 1,000 women aged 15-44 years Rate per Rate p Rate per Rate per 1,000 1,000 1,000 Seasonally 1,000 Period Number population Unadjusted adjusted 1 Number population Number population Number live birt 1992: 334,000 15.6 66.9 70.4 112,000 5.2 207,000 9.6 3,200 9.4 February..... 304,000 15.1 65.1 66.6 166,000 8.2 185,000 2,900 9.2 9.1 March 16.7 72.0 145,000 6.7 3,200 73.4 195,000 9.1 9.2 330,000 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 10.7 175,000 73.2 231,000 2,800 8.1 8.0 16.0 68.9 67.8 256,000 12.3 172,000 8.2 8.2 2,700 352,000 16.3 70.5 67.8 228,000 10.5 180,000 8.3 2,800 8.1 242,000 350,000 16.2 70.1 172,000 66.3 11.2 7.9 2,700 7.9 September 357,000 17.0 227,000 221,000 73.7 69.0 10.8 169,000 8.1 2,700 8.0 345,000 15.9 69.3 69.1 10.2 181,000 8.3 2,900 8.2 332,000 15.8 68.6 70.7 174,000 2,700 8.3 175,000 8.3 8.1 December..... 325,000 15.0 65.0 184,000 66.6 8.5 186,000 8.6 2,900 8.8 1993: 325,000 14.9 64.7 68.1 103,000 4.8 198,000 2,900 9.1 8.5 154,000 157,000 February..... 7.9 7.2 15.6 68.0 69.6 187,000 217,000 2,700 8.7 8.7 9.5 March 16.5 360,000 71.7 73.1 10.0 3,100 328,000 15.5 67.5 69.1 174,000 8.3 196,000 2,900 9.3 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 66.1 250,000 11.8 178,000 65.18.4 2.600 8.3

68.4

236,000

10.8

184,000

8.4

2,800

7.8

71.2

357,000

16.3

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 N 15 (1967 revision).

NOTE: 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, July 1992 and 1993, and cumulative figures, 1991–93 [Data are estimates by State of residence; see Technical notes]

			Live births	;				Deaths		
	Jı	ıly		January-Jul	y	Jt	ıly		January-July	y
Area	1993	1992	1993	1992	1991	1993	1992	1993	1992	1991
New England . Maine New Hampshire Vermont Massachusetts . Rhode Island . Connecticut	17,002	16,622	105,417	113,648	113,039	9,470	10,054	70,304	68,814	66,059
	1,000	1,480	8,567	9,257	9,457	1,092	900	6,725	6,379	6,512
	1,386	1,278	8,389	9,290	9,579	796	649	5,148	4,775	4,921
	583	938	4,333	4,685	4,399	358	367	2,947	2,875	2,712
	8,459	7,116	51,503	54,209	54,250	4,282	5,254	33,590	32,733	30,085
	1,338	1,201	8,452	8,560	8,628	825	734	5,822	5,443	5,525
	4,236	4,609	24,173	27,647	26,726	2,117	2,150	16,072	16,609	16,304
Middle Atlantic New York New Jersey Pennsylvania	51,736	50,656	326,126	329,749	336,731	31,147	30,210	222,953	213,114	212,813
	28,206	25,786	163,908	167,308	170,908	14,742	14,685	104,057	98,791	99,715
	10,548	10,083	68,577	64,942	65,300	5,663	5,294	43,331	41,527	40,812
	12,982	14,787	93,641	97,499	100,523	10,742	10,231	75,565	72,796	72,286
East North Central. Ohio Indiana. Illinois Michigan. Wisconsin.	55,464	60,488	383,002	386,106	382,978	30,557	30,342	226,581	218,452	220,983
	12,824	15,513	94,596	99,827	91,619	7,891	8,569	59,843	58,916	57,990
	6,901	8,434	48,985	48,947	49,423	4,056	4,071	30,337	29,653	30,976
	17,455	17,390	110,960	111,139	111,073	8,276	7,659	62,073	59,276	60,621
	12,189	13,155	86,742	84,170	88,413	6,737	6,514	48,611	46,536	46,782
	6,095	5,996	41,719	42,023	42,450	3,597	3,529	25,717	24,071	24,614
West North Central Minnesota. lowa Missouri North Dakota. South Dakota. Nebraska	21,440	22,376	148,643	153,461	152,179	13,230	12,815	101,399	94,366	94,419
	6,094	5,905	37,780	38,555	38,976	2,780	2,722	21,057	20,342	20,349
	2,828	3,475	21,008	22,566	19,967	2,302	2,201	17,453	16,009	14,426
	6,577	6,045	44,411	44,192	44,707	4,201	3,924	32,953	28,741	30,693
	756	792	5,079	5,236	5,374	468	502	3,398	3,326	3,200
	860	1,111	6,341	6,655	6,536	453	618	3,970	4,140	3,980
	1,954	1,793	13,303	13,840	14,157	1,239	1,078	8,745	8,689	8,420
Kansas South Atlantic Delaware Maryland District of Columbia Virginia West Virginia North Carolina South Carolina Georgia	2,371	3,255	20,721	22,417	22,462	1,787	1,770	13,823	13,119	13,351
	58,130	61,320	385,826	393,229	397,917	34,637	32,161	253,318	240,273	233,526
	876	972	6,165	6,421	6,684	481	516	3,631	3,478	3,397
	6,682	7,186	42,461	43,232	46,411	3,419	3,251	25,365	21,717	21,318
	869	871	5,815	5,938	6,084	540	603	3,979	4,029	4,098
	8,822	9,001	56,273	57,723	56,867	4,452	3,977	30,741	29,135	28,763
	1,914	2,200	13,133	13,220	13,408	1,679	1,634	11,950	12,422	11,868
	9,174	9,063	57,296	59,637	58,781	5,057	4,839	37,557	35,116	34,291
	5,541	5,247	31,692	32,757	33,148	2,485	2,395	18,424	17,955	17,675
	8,339	10,566	63,893	65,597	64,881	5,118	4,532	33,288	31,715	30,962
Florida . East South Central	15,913	16,214	109,098	108,704	111,653	11,406	10,414	88,383	84,706	81,154
	20,955	20,386	133,089	133,611	133,704	12,658	11,325	92,373	88,352	84,425
	4,632	4,941	30,214	31,585	31,954	2,993	2,849	22,162	21,052	20,715
	5,981	5,476	41,313	41,427	42,709	3,856	3,663	28,997	28,274	26,926
	6,479	5,739	37,654	36,390	34,456	3,587	2,741	25,470	24,056	21,895
	3,863	4,230	23,908	24,209	24,585	2,222	2,072	15,744	14,970	14,889
West South Central Arkansas Louisiana Oklahoma Texas ¹	44,046	43,963	279,043	283,379	274,361	19,340	18,613	141,376	137,014	132,927
	3,340	3,101	19,924	20,287	19,756	2,299	1,992	15,887	15,047	14,129
	5,627	5,530	41,425	43,789	40,459	2,931	3,145	24,844	24,028	23,220
	3,455	4,549	26,426	28,293	27,714	2,672	2,483	19,152	18,121	17,978
	31,624	30,783	191,268	191,010	186,432	11,438	10,993	81,493	79,818	77,600
Mountain. Montana. Idaho. Wyoming Colorado New Mexico Arizona Utah Nevada	21,115	21,339	145,250	143,404	142,173	8,428	8,812	65,192	61,528	59,241
	1,018	986	6,656	6,890	6,689	621	575	4,417	4,198	4,151
	1,406	1,692	10,213	10,284	10,178	676	673	4,894	4,726	4,556
	627	679	3,829	4,088	3,942	296	278	2,029	1,930	1,804
	4,846	4,741	32,504	32,524	31,935	1,760	1,759	13,820	13,077	13,122
	2,276	2,589	15,825	16,247	15,770	783	731	7,070	6,889	6,576
	6,182	4,536	42,046	37,564	39,532	2,613	3,092	20,777	18,944	17,912
	2,900	3,608	21,300	22,579	20,405	843	893	5,917	5,791	5,284
	1,860	2,508	12,877	13,228	13,722	836	811	6,268	5,973	5,836
Pacific Washington Oregon California ¹ Alaska Hawaii	66,815	54,459	415,204	427,895	441,626	24,233	25,826	170,882	172,425	176,785
	7,819	5,748	38,079	40,146	43,732	2,969	2,810	25,006	22,039	22,409
	3,490	3,632	24,431	24,531	24,860	2,176	1,817	15,474	14,705	14,798
	52,873	42,402	335,605	344,896	355,106	18,306	20,437	124,866	130,447	134,385
	911	990	5,768	6,775	6,483	229	215	1,249	1,226	1,252
	1,722	1,687	11,321	11,547	11,445	553	547	4,287	4,008	3,941

¹Figures include adjustments for varying length of reporting periods; see Technical notes.

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

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Table 3. Provisional number of marriages and divorces: each division and State, July 1992 and 1993, and cumulative figures, 1991-93

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

			Marriages					Divorces		
	Ju	ıly		lanuary-July	/	J	ily		January-Jul	ly
Area	1993	1992	1993	1992	1991	1993	1992	1993	1992	1991
New England	¹ 8,558	9,487	¹ 33,455	50,722	52,124	¹ 3,320	6,913	¹ 19,531	27,927	26,2
Maine	1,092	1,325	5,182	5,576	4,968	458	447	3,246	3,517	2,9
New Hampshire	287 824	523 731	2,985 2,781	3,678 2,658	4,655 2,654	415 194	430 320	2,798 1,607	3,531	2,91
Massachusetts	5,590	4,289	18,833	22,993	23,139	1,994	4,300	9,838	1,814 10,105	1,4 8,7:
Rhode Island	765	645	3,674	3,716	3,815	259	324	2,042	2,104	1,9
Connecticut		1,974		12,101	12,893		1,092		6,856	8,1
Middle Atlantic	¹ 12,140	27,948	167,024	150,912	152,889	9,222	10,172	69,021	71,982	71,4
New York ²		16,145		80,769	83,980	4,265	4,538	31,235	32,798	32,60
New Jersey	4,812 7,328	4,376	27,566	28,528	28,799	1,761	1,974	14,949	15,661	15,50
		7,427	39,458	41,615	40,110	3,196	3,660	22,837	23,523	23,11
East North CentralOhio	35,551 9,271	34,782 9,577	180,963 47,116	186,301 50,083	192,968 52,742	¹ 12,639	¹ 13,500	¹ 88,173	188,921	192,2
Indiana.	5,644	5,239	27,853	27,846	27,512	4,839	5,255	29,720	31,102	32,52
Illinois	8,892	9,042	48,843	50,003	51,217	3,727	4,012	25,657	24,919	26,14
Michigan	7,084	6,314	35,436	36,082	39,220	2,645	2,838	22,477	22,239	22,9
Wisconsin	4,660	4,610	21,715	22,287	22,277	1,428	1,395	10,319	10,661	10,62
West North Central	15,441	16,871	79,336	81,527	82,004	7,043	6,100	45,355	44,574	46,5
Minnesota	3,686 2,690	3,416	16,508	16,665	17,261	1,590	1,287	10,026	8,873	8,7
Missouri	4,510	2,847 4,678	14,223 24,940	12,227 25,693	12,809 26,202	815 2,309	1,015 2,267	6,284 15,634	6,520 15,647	7,5 (15,7{
North Dakota	575	600	2,714	2,692	2,619	209	236	1,287	1,390	1,25
South Dakota	883	781	4,121	4,130	4,153	241	254	1,696	1,694	1,58
Nebraska	1,595	1,772	7,303	7,825	7,579	496	586	3,612	3,887	3,78
Kansas	1,502	2,777	9,527	12,295	11,381	1,383	455	6,816	6,563	7,78
South Atlantic	42,090	41,589	254,118	246,411	256,864	19,497	22,197	137,555	138,503	136,49
Delaware	470	361	2,789	2,710	2,963	349	425	1,846	2,003	1,70
District of Columbia	4,010 183	3,324 211	22,734 1,409	22,151 1,592	22,342 2,340	1,510 88	1,560 200	9,730 975	10,307 1,472	9,24
Virginia	7,034	6,453	38,927	39,062	38,695	2,344	2,800	16,904	17,073	1,15 16,22
West Virginia	1,324	1,578	7,521	7,088	6,870	670	635	5,646	5,477	5,78
North Carolina	4,461	4,487	27,180	28,339	28,464	3,117	3,521	20,759	21,558	19,66
South Carolina	5,439 6 247	4,962	30,773	31,606	30,740	1,346	1,078	8,972	9,411	8,50
Georgia	6,247 12,922	8,300 11,913	36,027 86,758	31,192 82,671	42,052 82,398	3,068 7,005	4,725 7,253	22,416 50,307	20,393 50,809	25,2(49,05
East South Central	22,298	17,744	108,162	105,820	106,533	•		•	•	-
Kentucky	5,873	5,019	26,707	28,409	27,926	9,249 2,016	8,142 1,785	56,306 13,104	58,733 14,208	55,94 12,61
Tennessee	8,768	7,331	43,813	40,766	39,923	3,122	2,710	19,537	19,451	18,86
Alabama	5,146	3,139	23,487	23,331	25,077	2,531	2,270	16,076	15,982	16,30
Mississippi	2,511	2,255	14,155	13,314	13,607	1,580	1,377	7,589	9,092	8,15
West South Central	29,485	27,556	169,091	170,520	171,635	¹ 10,946	¹ 12,773	183,320	186,949	¹ 79,81
Arkansas	3,477 5,583	3,486 5,818	21,500 20,014	20,995 20,999	22,869 18,637	1,183	1,666	10,158	10,551	11,15
Oklahoma	3,204	3,250	17,906	19,008	19,104	1,870	2,182	12,707	14,918	13,87
Texas ³	17,221	15,002	109,671	109,518	111,025	7,893	8,925	60,455	61,480	54,78
Mountain	122,290	25,621	¹ 128,014	142.352	140,426	¹ 6,163	¹ 6,775	¹ 44,884	¹ 46,163	¹ 43,01
Montana	991	917	3,901	3,904	4,039	388	407	2,531	2,544	2,52
Idaho	1,400	1,974	7,109	8,317	7,478	450	508	3,983	3,928	3,66
Wyoming	382	649	2,378	2,660	2,685	284	292	1,715	1,862	1,87
Colorado	1,365	3,617 1,499	7 E10	18,792	18,932	1,455	1,623	11,002	11,328	11,02
Arizona ²	3,672	3,041	7,518 24,040	7,918 21,164	7,760 21,824	846 2,126	998 2,169	5,969 14,535	5,836 15,010	4,96 14,06
Utah	2,518	2,318	11,418	11,166	9,933	614	778	5,149	5,655	4,90
Nevada	11,962	11,606	71,650	68,431	67,775					
Pacific	¹ 8,518	¹ 8,501	¹ 42,385	¹ 48,082	172,842	¹ 6,780	¹ 4,287	¹ 28,523	¹ 30,969	¹ 31,14
Washington	3,277	3,991	17,049	22,756	27,732	4,757	2,227	15,103	16,475	17,05
Oregon	2,872	2,062	12,208	11,571	12,851	1,368	1,251	8,999	9,072	9,29
California	699	770	2.006	0.041	118,554	476		4.500		
ruaana		770	2,926	3,341	3,551	175	303	1,508	2,340	1,95
Hawaii	1,670	1,678	10,202	10,414	10,154	480	506	2,913	3,082	2,83

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.

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 July 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 July 1993 1992 Area Number Rate Number Rate 1869 16.3 1,270 6.7 91 6.1 105 6.4 74 5.0 85 5.4 Vermont 45 6.2 51 6.4 524 6.1 575 6.7 135 9.2 107 7.4 347 7.1 8.6 4.943 8.7 4.937 New York...... 2,522 8.9 2,410 8.3 997 8.1 1,052 9.0 1,424 8.8 1,475 8.9 9.4 6,008 9.2 6,264 1,390 8.5 1,457 8.7 825 9.8 769 9.1 1.860 9.7 2.002 10.3 1.399 9.9 1,494 10.0 534 542 7.7 7.6 2,055 8.1 2.174 8.2 Minnesota 7.0 465 7.2 468 251 69 303 7.8 691 9.1 694 9.0 56 6.4 80 9.0 113 10.3 108 9.7 8.0 169 7.5 188 310 8.7 333 8.9 6,590 6,592 9.6 9.8 93 87 120 11.0 Marvland . . 678 9.0 682 8.4 177 17.8 191 19.4 949 9.9 824 8.5 217 9.8 207 9.4 1,063 10.6 1,084 10.5 535 96 621 10.8 1,146 10.4 1,186 10.7 1.732 9.0 1,677 8.8 2,366 10.1 2,327 10.0 477 9.1 440 8.1 722 9.8 722 10.1 687 637 9.9 11.0 530 12.3 478 11.1 3,807 8.0 4,072 8.3 Arkansas...... 321 9.3 344 9.8 684 706 9.9 9.1 429 9.3 455 9.5 2,373 7.3 2.567 7.8 1.873 7.6 1.926 7.9 85 7.5 99 8.4 154 8.8 127 7.3 71 10.8 47 6.8 411 7.5 424 7.8 221 7.9 266 9.3 554 7.8 8.8 579 Utah...... 236 6.5 229 6.1 141 6.4 155 6.9 ¹6.7 7.2 Pacific....... 5,375 ¹4,446 530 7.3 323 7.8 293 6.9 3,903 6.6 4,335 7.2 83 7.8 85 7.4 137 7.0 132 6.6

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.

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, June 1992 and 1993, cumulative figures for 1992 and 1993, and 12 months ending with June 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-adjust 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]

_		Ju	ine 			Januar	y-June		12	? months en	ding with Ju	ne
_	19	993		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
All races, both sexes 1		121200										
All ages 1	178,000	839.7	172,000	822.8	1,161,000	910.5	1,114,000	881.5	2,223,000	866.5	2,178,000	858
Under 1 year	-		•		17,100	² 871.6	17,700	² 891.1	33,900	² 855.2	35,200	² 884
1–4 years	- 3,870	83.0	3,940	86.0	3,690	47.4	3,680	47.8	6,890	44.0	7,040	-004 45
5–14 years J	•		-,-		4,240	23.2	4,150	23.0	8,300	22.6	8,760	24
15–24 years	2,830	95.6	2,980	100.6	16,630	93.1	17,130	95.3	34,630	96.0	36,740	101
25–34 years	4,530	131.4	4,630	132.9	28,910	138.6	27,670	130.7	58,680	139.3	57,590	135
35–44 years	7,780	232.4	7,470	228.8	47,430	235.9	45,630	231.0	95,080	235.4	90,950	229
45–54 years	11,380 19,530	484.3 1,135.9	10,000 19,360	447.0 1,128.4	66,200	470.8	62,360	465.0	128,200	456.0	121,440	456
65–74 years	39,210	2,558.3	38,210	2,528.1	124,270 251,730	1,198.5 2,726.8	125,250 243,410	1,202.5 2,661.0	241,930 484,200		246,980	1,178
75–84 years	49,660	5,611.6	47,770	5,526.2	329,270	6,192.3	315,560	6,044.0	625,260	2,605.0 5,851.2	478,040 610,550	2,602 5,836
85 years and over	39,020	14,066.5	37,410	14,051.8	270,810	16,290.3	251,320	15,674.3	505,270	15,155.1	483,260	15,050
Not stated	30		100		380	• • •	370		810		960	
Age-adjusted rate ³		498.3		491.3		528.6	• • •	519.5		508.6		510
All races, male 1												
All ages	92,980	899.3	88,440	867.6	594,220	954.8	574,100	930.8	1,142,510	912.3	1,129,390	912.
Under 1 year	0.400	404.0	0.000	20.5	9,820	² 977.6	9,700	² 955.4	18,850	² 929.5	19,710	² 967.
1-4 years	2,430	101.8	2,200	93.8	2,090	52.4	2,080	53.0	3,900	48.7	3,950	50.
5–14 years	2,160	142.8	2,230	147.3	2,440 12,560	26.0 137.4	2,570	27.8	5,000	26.6	5,340	28.
25–34 years	3,370	195.3	3,450	197.9	21,200	203.1	13,040 20,580	141.8 194.3	26,140 43,070	141.7 204.3	28,030 42,330	151. 198.
35-44 years	5,340	321.8	5,090	314.7	32,740	328.5	31,490	321.8	65,620	327.8	63,330	322.
45-54 years	7,180	625.2	6,370	582.6	41,860	609.0	39,700	605.9	80,950	589.0	77,280	594.
55–64 years	12,140	1,488.8	11,270	1,386.9	75,410	1,534.0	76,200	1,545.0	146,110	1,474.2	150,650	1,518.
65–74 years	22,020	3,255.7	22,280	3,350.4	143,990	3,535.9	140,090	3,482.6	276,550	3,375.0	276,290	3,422.
75–84 years	25,320	7,500.8	23,390	7,132.2	163,480	8,069.2	155,170	7,844.5	310,040	7,623.3	301,480	7,613.
85 years and over Not stated	13,000 30	16,754.9	12,100 60	16,275.6	88,370 260	19,020.1	83,240 250	18,619.2	165,730 560	17,801.3	160,350 640	17,916.
Age-adjusted rate ³	• • •	652.8	• • •	634.6	•••	684.9		676.3		658.8		666.
All races, female 1												
All ages	84,860	782.9	83,430	780.1	566,450	868.2	540,080	834.4	1,080,630	822.9	1,048,170	806.
Under 1 year					7,300	² 760.6	7,970	² 823.6	15,040	² 777.3	15,530	² 798.
1–4 years}	1,450	63.8	1,740	77.8	1,600	42.3	1,600	42.7	2,990	39.1	3,090	41.
5–14 years	070	40.0			1,800	20.2	1,580	18.1	3,300	18.4	3,410	19.
15-24 years	670	46.3	740	51.1	4,070	46.6	4,090	46.4	8,490	48.2	8,720	49.
25–34 years	1,160 2,440	67.4 144.6	1,170 2,380	67.2 144.4	7,710	74.0	7,100	67.1	15,600	74.1	15,250	71.
45–54 years	4,200	349.7	3,620	316.4	14,690 24,340	145.0 338.5	14,140 22,650	141.7 330.1	29,460 47,250	144.6 328.7	27,620 44,150	138. 324.
55-64 years	7,400	818.7	8,100	897.0	48,860	896.2	49,050	894.4	95,820	871.2	96,330	872.
65–74 years	17,190	2,007.5	15,930	1,882.1	107,740	2,088.1	103,320	2,015.9	207,660	1,998.3	201,750	1,960.
	24,330	4,444.0	24,380	4,544.5	165,800	5,036.2	160,390	4,946.3	315,230	4,762.5	309,070	4,753.
N1_1 _1_1_1	26,020	13,027.8	25,320	13,195.4	182,440	15,231.2	168,080	14,536.3	339,540	14,129.8	322,910	13,948.
Not stated	-	•••	50	• • • •	120	• • •	130	• • •	250	• • • •	330	
Age-adjusted rate ³	• • •	371.2	• • •	373.5	•••	400.8	• • •	391.7	• • • •	385.5	• • •	382.
White				_								
All ages	52,530	864.9	148,100	849.3	1,000,140	941.6	961,290	910.4	1,910,620	893.3	1,877,150	885.
Under 1 year	2,620	70.8	2,640	72.3	11,330 2,570	² 735.1 41.7	11,360	² 725.4	22,020	² 706.9	22,700	² 721.
5–14 years	-,-20	70.0	۵,040	72.0	3,100	21.3	2,560 3,130	42.0 21.7	4,810 6,020	38.8 20.6	4,920 6.480	40.
15-24 years	2,020	85.1	2,160	90.6	11,510	80.3	11,980	82.8	24,110	83.2	6,480 26,070	22. 89.
25–34 years	3,300	116.5	3,320	115.6	20,870	121.8	19,460	111.4	41,870	120.8	40,810	115.
35–44 years	5,590	199.8	5,250	191.7	33,770	200.8	33,040	199.2	68,370	202.2	65,980	198.
45–54 years	8,600	426.1	8,020	416.8	50,770	420.0	48,760	422.8	98,780	408.6	94,360	412.
	15,920	1,066.3	15,960	1,067.7	101,550	1,127.1	103,130	1,135.5	197,490	1,086.2	203,160	1,110.
	33,910	2,485.4	32,920	2,441.0	218,030	2,651.5	211,990	2,596.2	419,520	2,533.2	415,610	2,534.
	44,810 35,750	5,585.9	43,130	5,501.7	296,760	6,156.3	284,340	6,005.3	562,490	5,806.0	551,090	5,807.
Not stated	35,750 20	14,122.0	34,620 100	14,245.0	249,640 250	16,456.0	231,270 260	15,800.8	464,560 560	15,271.5	445,240 730	15,190.
Age-adjusted rate ³		470.5		466.1		500.4	•••	492.8	•••	480.5		483.
San footnotes at and of table												

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, June 1992 and 1993, cumulative figures for 1992 and 1993, and 12 months ending with June 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]

		Jui	ne			January	-June		12	months end	ling with Jur	10
	19	93	19	92	199	93	19:	92	19:	93	19:	92
Age, race, and sex No	umber	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
White male						•						
All ages	8,910	912.6	75,450	882.9	506,960	973.6	490,080	947.3	972,850	927.9	963,410	927.6
Jnder 1 year			4		6,440	² 813.0	6,160	² 766.8	12,400	² 776.0	12,760	² 790.6
—4 years	1,620	85.3	1,540	82.2	1,500	47.1	1,460	46.7	2,820	44.3	2,780	44.4
-14 years	1 560	100.0	1 600	130.8	1,800	24.1 117.3	1,990 9,000	26.7 121.0	3,600 18,080	23.9 121.5	4,050 19,620	27.2 131.7
	1,560 2,500	128.0 174.7	1,600 2,560	176.5	8,640 15,680	181.1	14,790	167.6	31,410	179.4	30,370	170.8
	3,940	281.0	3,620	263.9	23,980	284.6	23,340	281.1	48,470	286.2	46,870	281.0
•	5,460	548.0	5,230	551.0	32,270	540.8	31,350	551.3	62,750	525.9	60,460	535.
5-64 years	9,930	1,387.4	9,450	1,320.9	62,440	1,446.2	63,320	1,457.3	120,940	1,388.5	124,840	1,427.
	9,290	3,183.6	19,320	3,236.4	126,030	3,453.8	122,540	3,392.8	241,640	3,289.4	241,460	3,329.
	2,840	7,452.0	21,040	7,065.4	147,690	8,028.2	139,830	7,785.2 18,866.2	279,720 150,660	7,574.3 17,914.4	272,920 146,790	7,591. 18,189.
5 years and over 1 lot stated	1,760 20	16,773.7	11,050 50	16,480.4	80,340 160	19,138.1	76,100 180	10,000.2	360	17,514.4	490	10,103.
								640.8		623.3		631.0
ge-adjusted rate ³	•••	616.0	•••	603.5	•••	648.9	•••	640.6		023.3		001.0
White female	3,630	819.1	72,650	817.0	493,180	910.8	471,210	875.0	937,780	860.1	913,740	844.
llages	0,000	013.1	12,000	317.0	493,160	² 650.3	5,200	² 681.7	9,630	² 634.8	9,940	² 648.
-4 years	1,000	55.5	1,110	62.5	1,070	35.3	1,100	37.1	2,000	33.1	2,140	36.
–14 years					1,300	18.3	1,140	16.2	2,420	17.0	2,430	17.
5–24 years	460	39.8	550	47.4	2,870	41.0	2,980	42.4	6,040	42.9	6,450	45.
5–34 years	800	57.1	760	53.5	5,190	61.2	4,670	53.9	10,460	61.0	10,440	59.9
	1,650	118.2	1,620	118.4 286.2	9,780	116.6 302.4	9,690 17,410	117.0 297.9	19,900 36,030	118.0 294.3	19,110 33,900	114.i 292.i
	3,140 5,990	307.2 770.6	2,790 6,510	835.2	18,510 39,110	833.7	39,800	840.5	76,540	808.2	78,320	820.
	4,630	1,928.9	13,600	1,809.4	92,000	2,011.8	89,450	1,964.2	177,880	1,930.3	174,140	1,903.4
	1,960	4,430.1	22,080	4,541.8	149,070	5,000.9	144,510	4,917.1	282,770	4,716.8	278,170	4,719.
•	3,990	13,106.3	23,570	13,393.3	169,300	15,429.1	155,160	14,634.7	313,900	14,261.7	298,460	14,051.
lot stated	-		50		90		90		200		240	000
ge-adjusted rate ³	•••	350.2	• • •	352.1		378.2	•••	371.7	•••	363.0	***	362.
Black	2,410	848.9	20,970	809.8	142,710	899.0	136,270	870.6	277,100	868.3	267,920	853.
J	2,410	040.5	20,370	000.0	5,340	² 1,675.1	5,710	² 1,795.8	10,750	² 1,674.5	11,470	² 1,806.
Inder 1 year	1,160	160.1	1,130	159.3	1,030	82.6	950	77.4	1,790	72.1	1,780	73.
-14 years	.,	100.1	1,100	100.0	980	35.0	880	32.0	1,950	34.7	1,980	35.
5–24 years	740	168.6	660	151.3	4,490	169.6	4,480	169.1	9,110	170.6	9,470	178.
	1,080	239.6	1,140	252.4	7,160	263.2	7,370	268.8	15,090	275.0	15,050	272.
	2,000	500.7	1,930	502.2	12,460	519.9	11,270	487.5	24,220	504.0	22,480	486.
	2,510	1,046.9 1,869.5	1,760 3,050	770.4 1,824.0	13,920 20,070	970.0 1,966.5	12,230 19,920	890.0 1,967.3	26,300 39,320	918.9 1,914.3	24,330 39,330	890. 1,933.
	3,170 4,670	3,589.3	4,650	3,645.9	29,870	3,814.5	27,990	3,628.3	57,250	3,634.9	55,560	3,593.
	4,250	6,352.4	4,130	6,298.3	28,700 -	7,145.4	27,580	6,958.1	55,480	6,866.3	52,580	6,605.
5 years and over	2,820	14,004.1	2,510	12,920.7	18,560	15,340.1	17,820	15,155.4	35,590	14,646.1	33,670	14,266.
lot stated	10		10		130		100		240		220	
nge-adjusted rate ³	•••	770.8		731.1		805.9	• • • •	781.1	• • •	779.4		770.
Black male												
•	2,550	1,002.8	11,440	932.4	77,270	1,026.6	74,560	1,005.4	149,630	989.1	147,280	991.
nder 1 year	700	400.5		1500	3,080	² 1,910.2	3,180	² 1,981.0	5,900	² 1,815.4	6,300	² 1,962
–4 years	730	199.0	570	158.8	530 540	84.8 37.4	510 530	84.7 38.7	920 1,160	73.3 40.8	980 1,170	79 41
-14 years	560	255.6	510	234.3	3,450	261.0	3,550	269.4	7,040	264.1	7,500	283
5–34 years	770	361.3	790	370.0	4,890	381.0	5,190	399.7	10,460	403.2	10,690	409
5–44 years	1,310	704.3	1,310	733.5	8,090	725.2	7,350	683.7	15,690	701.7	14,890	694
5–54 years	1,540	1,416.2	1,040	1,004.6	8,730	1,341.1	7,520	1,210.7	16,290	1,256.0	15,140	1,222
	1,970	2,669.1	1,650	2,264.3	11,570	2,605.3	11,670	2,647.8	22,260	2,487.2	23,390	2,640
	2,520	4,680.9 8 678 6	2,670	5,073.8 8,459.2	16,010 13.540	4,943.1 9.385.4	15,610	4,908.9	31,020 26 140	4,765.0 9,013.8	30,890 24,700	4,841 8,636
	2,090 1,050	8,678.6 17,743.1	1,990 910	6,459.2 15,860.0	13,540 6,720	9,385.4 18,821.4	13,300 6,080	9,339.9 17,495.6	26,140 12,570	17,458.3	11,520	16,457
lot stated	1,030	17,740.1	10	13,000.0	100	10,021.4	60	17,400.0	190	17,400.0	140	10,407
ge-adjusted rate ³		1,054.2		976.1		1,072.4		1,054.4		1,033.3		1,042
	•••	1,004.2	• • •	310.1	• • • •	1,012.4	•••	1,004.4	•••	.,000.0	•••	.,072.
see footnotes at end of table.												

See footnotes at end of table.

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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, June 1992 and 1993, cumulative figures for 1992 and 1993, and 12 months ending with June 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-adjurates 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 information on standard errors of the estimates, see Technical notes]

		Ju	ıne			January	y-June		12	? months end	ding with Jui	ne
	19	993	19	92	19	93	19	92	19	93	19	92
Age, race, and sex	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rai
Black female												
All ages	9,860	710.2	9,530	699.4	65,440	783.8	61,720	749.3	127,470	759.4	120,640	73
Under 1 year	,				2,260	² 1,428.3	2,530	² 1,619.0	4,850	² 1,530.0	5,180	² 1,64
1–4 years	} 430	120.3	560	159.9	500	81.9	440	73.3	870	71.0	810	€
5-14 years					440	31.9	340	25.7	790	28.5	820	3
15–24 years	180	81.9	150	68.6	1,040	78.5	930	70.2	2,070	77.4	1,980	7
25–34 years	310	130.5	350	147.0	2,260	157.6	2,180	150.7	4,630	160.0	4,360	14
35-44 years	690	323.3	620	301.4	4,370	341.1	3,920	316.4	8,540	332.3	7,600	30
45-54 years	970	740.4	720	576.4	5,180	660.9	4,710	624.3	10,010	639.6	9,190	61
55-64 years	1,200	1,253.2	1,400	1,483.9	8,500	1,475.5	8,250	1,442.0	17,070	1,472.8	15,940	1,38
65-74 years	2,150	2,818.8	1,970	2,629.5	13,860	3,018.5	12,370	2,727.4	26,230	2,838.7	24,670	2,71
75-84 years		5,044.1	2,140	5,089.3	15,170	5,889.1	14,280	5,616.2	29,340	5,664.1	27,870	5,46
85 years and over	1,770	12,448.0	1,600	11,688.6	11,830	13,872.0	11,730	14,184.9	23,020	13,462.0	22,150	13,34
Not stated	-		_		30		40		50		80	
Age-adjusted rate 3		554.1	•••	548.3		602.8	• • •	573.1	• • •	585.6		56

¹ Includes races other than white and black.

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 in differ from those previously published. Rates for 1992 have been recomputed based on revised population estimates; see Technical notes.

² Death 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.

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

		Ju	ne			Januar	y-June		12 mo	nths en	ding with Ju	ne
	199	3	199	2	1993	3	1992	?	1993	3	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	178,000	839.7	172,000	822.8	1,161,000	910.5	1,114,000	881.5	2,223,000	866.5	2,178,000	858.4
Shigellosis and amebiasis	- 60	*	- 70	*	330	0.3	- 410	* 0.3	- 670	0.3	- 710	* 0.3
Tuberculosis	190 150 40	0.9 0.7 *	80 60 20	* *	870 700 170	0.7 0.5 0.1	620 500 130	0.5 0.4 0.1	1,610 1,270 340	0.6 0.5 0.1	1,410 1,060 350	0.6
Whooping cough	_	*	_	*	10	*	_	*	20	*	10	*
Meningococcal infection	20	*	10	*	170	0.1	110	0.1	290	0.1	220	
Septicemia	1,430 -	6.7 *	1,620 -	7.7 *	10,200	8.0 *	10,390 	8.2	19,730 —	7.7 *	20,090 —	7.9 *
Measles. .055 Viral hepatitis .070	230	1.1	130	* 0.6	1,290	* 1.0	930	* 0.7	2,300	* 0.9	10 1,900	* 0.7
Syphilis	-	*	20	*	20	*	60	*	30	*	140	0.1
diseases ¹ 001–003,005,020–032,037,039–041,*042–*044,046–054,056–066,071–088,098–139	3,780	17.8	3,070	14.7	21,690	17.0	18,890	14.9	41,760	16.3	37,020	14.6
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	41,950 650 9.950	198.1 3.1 47.0	42,120 640 9,970	201.6 3.1 47.7	262,520 4,010 60,060	205.9 3.1 47.1	257,780 3,870 60,150	203.9 3.1 47.6	525,270 8,160 121,520	204.7 3.2 47.4	516,630 7,520 120,490	203,7 3.0 47.5
Malignant neoplasms of respiratory and intrathoracic organs	11,820	55.8	12,040	57.6	76,120	59.7	75,230	59.5	152,340	59.4	150,420	59.3
Malignant neoplasm of breast	3,380 4,690	16.0 22.1	3,690 4,480	17.7 21.4	22,370 30,440	17.5 23.9	22,540 29,150	17.8 23.1	44,030 60.010	17.2 23.4	44,270 58.940	17.5 23.2
Malignant neoplasms of urinary organs	1,900	9.0	1,990	9.5	10,940	8.6	11,270	8.9	21,900	8.5	21,410	8.4
Leukemia	5,390 1,410	25.4 6.7	5,280 1,530	25.3 7.3	32,560 9,640	25.5 7.6	31,070 9,160	24.6 7.2	64,620 19,710	25.2 7.7	63,050 19,110	24.9 7.5
Other malignant neoplasms of lymphatic and hematopoietic tissues	2,770	13.1	2,500	12.0	16,390	12.9	15,360	12.1	32,990	12.9	31,410	12.4
of unspecified nature	730 4,250	3.4 20.1	610 3,730	2.9 17.8	3,990 28,520	3.1 22.4	3,710 26,270	2.9 20.8	7,710 52,470	3.0 20.5	7,620 50,700	3.0 20.0
Nutritional deficiencies	220	1.0	210	1.0	1,610	1.3	1,550	1.2	3,170	1.2	3,150	1,2
Anemias	370 50	1.7	390 60	1.9	2,290 430	1.8 0.3	1,960 410	1.5 0.3	4,300 750	1.7 0.3	4,230 740	1.7 0.3
Major cardiovascular diseases	73,480	347.0	71,770	343.6	489,900	384.3	471,910	373.3	930,110	362.5	913,490	360.1
Diseases of heart	57,790 430	272.9 2.0	56,720 400	271.5 1.9	383,550 2,930	300.9 2.3	372,410 3,070	294.6 2.4	730,110 5,840	284,6 2.3	719,520 5,660	283.6 2.2
Hypertensive heart disease	1,970	9.3	1,750	8.4	12,410	9.7	11,150	8.8	23,610	9.2	21,520	8.5
Hypertensive heart and renal disease	190 38,110	0.9 179.9	210	1.0	1,140	0.9	1,110 247,900	0.9 196.1	2,330 483,370	0.9 188.4	2,060 479,370	0.8 189.0
Acute myocardial infarction	17,740	83.8	37,840 18,310	181.2 87.7	253,360 117,160	198.7 91.9	119,990	94.9	226,480	88.3	233,140	91.9
Other acute and subacute forms of ischemic heart disease	300 70	1.4	300 80	1.4	1,490	1.2	1,550 500	1.2 0.4	2,790 880	1.1 0.3	3,090 940	1.2 0.4
Old myocardial infarction and other forms of chronic ischemic heart disease	20.000	04.4	-		360	0.3	125,860	99.6	253.230	98.7	242.200	95.5
Other diseases of endocardium	1,070	94.4 5.0	19,150 1,220	91.7 5.8	134,340 7,400	105,4 5.8	7,940	6.3	14,400	5.6	14,280	5.6
All other forms of heart disease	16,020	75.6	15,380	73.2	106,300	83.4	101,250	80.1	200,560	78.2	196,630	77.5
Cerebrovascular diseases	910 11,310	4.3 53.4	850 11,180	4.1 53.5	5,430 77,910	4.3 61.1	4,680 73,950	3.7 58.5	10,400 147,280	4.1 57.4	8,720 143,470	3.4 56.6
Intracerebral and other intracranial hemorrhage	1,600	7.5	1,580	7.6	11,450	9.0	10,720	8.5	21,750	8.5	20,880	8.2
Cerebral thrombosis and unspecified occlusion of cerebral arteries	1,190 40	5.6 *	1,200 10	5.7 *	8,160 280	6.4 0.2	7,720 350	6.1 0.3	15,780 620	6.2 0.2	15,520 640	6.1 0.3
All other and late effects of cerebrovascular diseases	8,480	40.0	8,380	40.1	58,010	45.5	55,170	43.6	109,130	42.5	106,440	42.0

Atherosclerosis		6.3 10.1	1,230 1,790	5.9 8.6	9,010 14,000	7.1 11.0	8,220 12,650	6.5 10.0	16,910 25,420	6.6 9.9	16,460 25,310	6.5 10.0
Acute bronchitis and bronchiolitis	50 5,530 5,500 30	26.1 26.0 *	30 5,200 5,190 10	24.9 24.8 *	370 44,810 44,130 680	0.3 35.2 34.6 0.5	280 42,830 41,750 1,080	0.2 33.9 33.0 0.8	590 77,840 77,090 740	0.2 30.3 30.0 0.3	540 76,020 74,470 1,550	0.2 30.0 29.4 0.6
Chronic obstructive pulmonary diseases and allied conditions	8,470 210 1,520 510	40.0 1.0 7.2 2.4	7,210 300 1,300 410	34.5 1.4 6.2 2.0	55,540 2,010 10,020 2,740	43.6 1.6 7.9 2.1	50,380 2,260 8,880 2,640	39.8 1.8 7.0 2.1	96,240 3,620 17,780 4,750	37.5 1.4 6.9 1.9	90,610 3,930 16,600 4,850	35.7 1.5 6.5 1.9
Other chronic obstructive pulmonary diseases and allied conditions	6,230	29.4	5,210	24.9	40,770	32.0	36,600	29.0	70,090	27.3	65,230	25.7
Ulcer of stomach and duodenum	470 40	2.2	470 50	2.2	2,990 260	2.3 0.2	3,030 200	2.4 0.1	5,730 360	2.2 0.1	5,850 370	2.3 0.1
mention of hernia	550 1,660 150 2,000 40	2.6 7.8 0.7 9.4	390 1,840 250 1,790 30	1.9 8.8 1.2 8.6	2,820 12,100 1,360 13,380 160	2.2 9.5 1.1 10.5 0.1	2,840 12,130 1,580 11,910 180	2.2 9.6 1.3 9.4 0.1	5,860 24,840 2,770 24,410 250	2.3 9.7 1.1 9.5 0.1	5,740 24,440 3,050 23,430 310	2.3 9.6 1.2 9.2 0.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified	160	0.8	140	0.7	830	0.6	860	0.7	1,460	0.6	1,540	0.6
small kidney of unknown cause	1,800 50 60	8.5 * *	1,620 90 30	7.7 * *	12,390 500 240	9.7 0.4 0.2	10,880 530 170	8.6 0.4 0.1	22,690 1,030 400	8.8 0.4 0.2	21,580 1,040 300	8.5 0.4 0.1
Complications of pregnancy, childbirth, and the puerperium	10 _	*	-	*	160 30	0.1	80 10	*	360 50	0.1	230 20	0.1
Congenital anomalies	10 860 1,180	4.1 5.6	1,000 1,300	4.8 6.2	130 5,780 7,620	0.1 4.5 6.0	70 6,280 7,760	5.0 6.1	310 11,930 15,480	0.1 4.7 6.0	210 12,020 15,790	0.1 4.7 6.2
respiratory distress syndrome	210 980 3,160 14,810	1.0 4.6 14.9 69.9	270 1,030 2,530 14,020	1.3 4.9 12.1 67.1	1,440 6,180 20,400 100,900	1.1 4.8 16.0 79.2	1,540 6,220 18,000 92,220	1.2 4.9 14.2 73.0	3,060 12,410 37,960 187,570	1.2 4.8 14.8 73.1	2,960 12,830 36,060 178,870	1.2 5.1 14.2 70.5
Accidents and adverse effects	7,410 3,470 3,940	35.0 16.4 18.6	7,170 3,670 3,500	34.3 17.6 16.8	40,030 18,180 21,850	31.4 14.3 17.1	40,640 19,130 21,510	32.1 15.1 17.0	83,760 40,090 43,670	32.6 15.6 17.0	87,500 42,670 44,830	34.5 16.8 17.7
Suicide	2,410 2,060 140	11.4 9.7 0.7	2,280 2,190 150	10.9 10.5 0.7	14,600 11,650 1,300	11.5 9.1 1.0	14,470 12,900 960	11.4 10.2 0.8	28,840 24,540 2,450	11.2 9.6 1.0	28,780 26,940 1,940	11.3 10.6 0.8
Human immunodeficiency virus infection ²	3,230	15.2	2,580	12.3	18,000	14.1	15,590	12.3	34,710	13.5	30,580	12.1

¹ Includes data for deaths due to Human immunodeficiency virus infection (category numbers *042-*044) shown separately below; see Technical notes. 2 Included 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. 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 hematopoletic tissues: United States, June 1992 and 1993, cumulative figures 1992 and 1993, and 12 months ending with June 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]

		Ju	ne			Januar	y-June		12 m	onths en	ding with J	une
·	199	3	199	12	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 hematopoietic tissues 1	41,950	198.1	42,120	201.6	262,520	205.9	257,780	203.9	525,270	204.7	516,630	203.7
Malignant neoplasm of esophagus	770	3.6	950	4.5	4,810	3.8	5,200	4.1	10,210	4.0	9,790	3.9
Malignant neoplasm of stomach	1,170	5.5	1,180	5.6	6,750	5.3	6,540	5.2	13,170	5.1	13,850	5.5
Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus	4,760	22.5	4,320	20.7	27,630	21.7	28,600	22.6	56,210	21.9	56,720	22.4
Malignant neoplasm of pancreas	2,030	9.6	2,200	10.5	13,100	10.3	12,580	9.9	26,370	10.3	25,210	9.9
Malignant neoplasms of trachea, bronchus, and lung	11,480	54.2	11,680	55.9	73,820	57.9	72,900	57.7	147,440	57.5	145,460	57.3
Malignant melanoma of skin	470	2.2	540	2,6	3,240	2.5	3,290	2.6	6,700	2.6	6,660	2.6
Malignant neoplasm of cervix uteri	310	1.5	350	1.7	2,260	1.8	2,030	1.6	4,500	1.8	4,170	1.6
Malignant neoplasms of body of uterus and of uterus, part unspecified	480	2.3	460	2,2	3,010	2.4	3,200	2.5	6,200	2.4	6,080	2.4
Malignant neoplasm of ovary	1,070	5.0	960	4.6	6,520	5.1	6,230	4.9	12,990	5.1	12,930	5.1
Malignant neoplasm of prostate	2,670	12.6	2,550	12.2	17,780	14.0	16,720	13.2	34,640	13.5	33,830	13.3
Malignant neoplasm of bladder	890	4.2	980	4.7	5,470	4.3	5,680	4.5	10,800	4.2	10,720	4.2
Malignant neoplasms of kidney and other and unspecified urinary organs	1,010	4.8	1,010	4.8	5,470	4.3	5,590	4.4	11,100	4.3	10,700	4.2
Malignant neoplasms of brain and other and unspecified parts of nervous system	1,100	5.2	900	4.3	5,640	4.4	5,170	4.1	11,070	4.3	11,170	4.4
Hodgkin's disease	160	0.8	230	1.1	850	0.7	810	0.6	1,670	0.7	1,700	0.7
Malignant lymphoma other than Hodgkin's disease	1,750	8.3	1,600	7.6	10,480	8.2	9,860	7.8	21,360	8.3	20,150	7.9
Multiple myeloma and other immunoproliferative neoplasms	860	4.1	670	3.2	5,060	4.0	4,690	3.7	9,960	3.9	9,560	3.8

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. 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, June 1992 and 1993, cumulative figures 1992 and 1993, and 12 months ending with June 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]

		Ju	ine			Januar	y–June		12 m	onths en	ding with J	lune
	199	93	199	02	199	93	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	2,600	834.3	2,700	823.9	17,100	865.2	17,700	874.2	33,900	844.6	35,200	862.2
Under 28 days		532.3 304.2	1,740 940	534.9 289.0	10,410 6,700	526.3 338.7	10,970 6,700	542.9 331.6	21,240 12,650	529.3 315.2	22,160 13,080	542.1 320.0
Certain gastrointestinal diseases	10 50	*	80 20	*	90 310	≨ 15.7	200 330	9.9 16.3	230 590	5.7 14.7	320 550	7.8 13.5
Congenital anomalies	490 330	155.3 104.6	600 270	184.5 83.0	3,300 2,010	166.8 101.6	3,770 1,840	186.6 91.1	7,020 3,960 140	174.9 98.7 3.5	7,440 3,940 180	182.0 96.4 4.4
Birth trauma	60 150	* 47 E	40 20 210	*	70 330	16.7	90 270	13.4 56.4	750 2,130	18.7 53.1	600 2,120	14.7 51.9
Respiratory distress syndrome	630 340	47.5 199.6 107.7	740 220	64.6 227.5 67.6	1,020 4,070 2,370	51.6 205.8 119.8	1,140 4,280 2,220	211.8 109.9	8,310 4,340	207.1	8,710 4,320	213.1 105.7
All other causes	580	183.8	490	150.6	3,540	179.0	3,520	174.2	6,420	160.0	7,060	172.7

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 United States, 1988, Volumes I and II.

Rates

Rates are on an annual basis at except for infant mortality rates, are 1 1,000 or 100,000 estimated populati residing in the United States. The por lations used for computing these rates furnished by the U.S. Bureau of Census. The population bases used compute rates for 1992 and 1993 we based on the 1990 Census enumerati (not adjusted for undercount) comparal to those used for 1990 and 1991 fil data. Population bases were not the sai as those used for the Monthly Vital Stat tics Report for each month from Janua through December 1992; therefore, t rates may not be the same as those preously published. Monthly rates are bas on populations estimated for the speci month. Year-to-date rates are averages monthly rates that have been weighted the number of days in the correspondi months. Rates for 12-month periods a the sum of events for the period ; population estimated at the midpoint the period.

Infant mortality rates are deat under 1 year of age for the specifi period (monthly, year-to-date, 12-month period) per 1,000 or 100,0 live births. Births used for computi monthly and year-to-date infant mortal: rates are adjusted for monthly variation the number of births. Births used to col pute 12-month rates do not contain the adjustment. Births used for computi infant mortality rates are not corrected f observed differences between provisior and final monthly figures as describ earlier in Nature and sources of day Because monthly infant mortality rat are based on relatively few events, the are highly variable. Therefore, compasons of monthly infant mortality rat should be interpreted cautiously; s Random variation.

Age-adjusted death rates are used make comparisons of relative mortali risks across groups and over time. However, they should be viewed as constructor indexes rather than as direct or actu measures of mortality risk. Statistical they are weighted averages of the ag specific death rates, where the weight

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 rates.

Current Mortality Sample

The Current Mortality (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. Cominformation 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

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; totals 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 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:

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

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

e_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 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 1985 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:

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

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

dard 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:

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

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

 $P_{x(s)}$ = 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

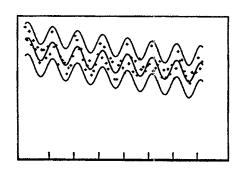
be statistically significant at 0.05 level i $3.00 \le \lambda < 4.61$. The difference betwee the State and U.S. age-adjusted rates wa determined to be statistically significan at 0.01 level if $\lambda \ge 4.61$ (12). For zero deaths, confidence limits for the age adjusted death rates are not applicable.

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Mortality Surveillance System topics

MVSR issue	Cause-of-death	Healthy People 2000 Objective Number
Vol. 41 No. 8	Malignant neoplasm of prostate, Malignant neoplasm of breast	(¹), 16.3
Vol. 41 No. 9	Malignant neoplasms of digestive organs and peritoneum	16.5
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	(²)
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)



Human immunodeficiency virus infection.

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

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National Center for Health Statistics

Director Manning Feinleib, M.D., Dr. P.H. Deputy Director Jack R. Anderson

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

6525 Belcrest Road Hyattsville, Maryland 20782

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¹No *Healthy People 2000* objective exists that addresses mortality from Malignant neoplasm of prostate.

²No *Healthy People 2000* objective exists that addresses mortality from this cause. See Chapter 18 for objectives related to