

## Deaths: Final Data for 1997

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### Abstract

**Objectives**—This report presents final 1997 data on U.S. deaths and death rates according to demographic and medical characteristics such as age, sex, race, Hispanic origin, marital status, educational attainment, injury at work, State of residence, and cause of death. Trends and patterns in general mortality, life expectancy, and infant and maternal mortality are also described. A previous report presented preliminary mortality data for 1997.

**Methods**—In 1997 a total of 2,314,245 deaths were reported in the United States. This report presents descriptive tabulations of information reported on the death certificates. Death certificates are completed by funeral directors, attending physicians, medical examiners, and coroners. Original records are filed in the State registration offices. Statistical information is compiled into a national data base through the Vital Statistics Cooperative Program of the National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention.

**Results**—The 1997 age-adjusted death rate for the United States decreased to an all-time low of 479.1 deaths per 100,000 standard population, and life expectancy at birth increased to a record high of 76.5 years. The 15 leading causes of death remained the same as in 1996, although Human immunodeficiency virus (HIV) infection plummeted from the 8th leading cause of death to the 14th leading cause. Some of the 8th–14th leading causes of death shifted positions. HIV infection remained the leading cause of death for black persons aged 25–44 years. The largest decline in age-adjusted death rates among the leading causes of death was for HIV infection, which dropped 47.7 percent between 1996 and 1997. Mortality declined for all age groups, except for persons aged 85 and over. The infant mortality rate reached a record low of 7.2 infant deaths per 1,000 live births in 1997 although the decline in the rate from 1996 was not statistically significant.

**Conclusions**—The overall improvements in general mortality and life expectancy in 1997 continue the long-term downward trend in U.S. mortality. The trend in U.S. infant mortality is of steady declines over the past four decades.

**Keywords:** deaths • mortality • leading causes of death • life expectancy • vital statistics

### Highlights

In 1997 a total of 2,314,245 deaths were registered in the United States, 445 less than the record high of 2,314,690 deaths recorded in 1996. The **crude death rate** for 1997 was 864.7 deaths per 100,000 population, slightly lower than the 1996 rate of 872.5. The **age-adjusted death rate**, which eliminates the distorting effects of the aging of the population, was at a record low of 479.1 per 100,000 U.S. standard population, 2.5 percent lower than the previous low of 491.6 in 1996. The age-adjusted death rates declined between 1996 and 1997 for each of the four major race-sex groups: white males, white females, black males, and black females.

**Age-specific death rates** significantly decreased for all age groups except for persons aged 85 and over. The largest declines were as follows: 9.2 percent for ages 25–34 years, 8.2 percent for ages 35–44 years, and 6.5 percent for ages 1–4 years. Reductions in mortality due to Human immunodeficiency virus (HIV) infection were major contributors to the mortality decline in children aged 1–4 and 5–14 years. For those 15–24 years of age, the decline in Accidents and adverse effects (accidents) and Homicide and legal intervention (homicide), followed by declines in Suicide (suicide), had the largest impact

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on the drop in the death rate. HIV infection was overwhelmingly the strongest contributor to the decreases in death rates for those aged 25–34, 35–44, and 45–54 years. Reductions in Diseases of heart (heart disease) had the greatest effect on the mortality decline of those aged 55 and over.

In 1997 **life expectancy** at birth reached a record high of 76.5 years, an increase of 0.4 years compared with life expectancy in 1996. Based on mortality in 1997, **females are expected to outlive males by an average of 5.8 years**, and the white population is expected to outlive the black population by an average of 6.0 years. Record high life expectancies were reached for white and black males and white and black females. White females continue to have the highest life expectancy at birth (79.9 years), followed by black females (74.7 years), white males (74.3 years), and black males (67.2 years). The greatest improvement in life expectancy between 1996 and 1997 was for black males (1.1 years).

The ranking of the **15 leading causes of death** for the total population in 1997 changed for the 8th to the 14th positions. HIV infection, the 8th leading cause of death in 1996, became the 14th leading cause in 1997. With the exception of Chronic liver disease and cirrhosis (chronic liver disease) and Septicemia (septicemia), the conditions occupying the 9th–14th positions in 1996 shifted positions in 1997. The 15 leading causes of death accounted for 84.6 percent of all deaths in 1997. Although the ranking of HIV infection dropped substantially for the whole population, it remained the leading cause of death for the black population at ages 25–44 years.

**Age-adjusted death rates for 8 of the 15 leading causes of death decreased between 1996 and 1997.** These included HIV infection, homicide, suicide, heart disease, Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (cancer), Cerebrovascular diseases (stroke), accidents, and Atherosclerosis (atherosclerosis). HIV infection dropped sharply by 47.7 percent, marking 1997 as the second year to show a decline in mortality due to this cause.

Homicide also declined substantially, with a 5.9-percent reduction from 1996. The decrease from 1996 to 1997 in mortality from homicide coincided with a 5.4-percent decrease in the age-adjusted death rate for firearm injuries. Atherosclerosis declined by 4.5 percent, heart disease by 3.0 percent, suicide by 1.9 percent, stroke by 1.9 percent, and cancer by 1.8 percent. Although not statistically significant, age-adjusted death rates for chronic liver disease, and Diabetes mellitus (diabetes) also declined.

**Age-adjusted death rates increased between 1996 and 1997 for two leading causes of death:** Septicemia and Nephritis, nephrotic syndrome, and nephrosis (kidney disease). Septicemia rose by 2.4 percent, while kidney disease rose by 2.3 percent. Although not statistically significant, age-adjusted death rates for Chronic obstructive pulmonary diseases (COPD) and Pneumonia and influenza (pneumonia and influenza) also increased. No changes occurred in the age-adjusted death rates for Alzheimer's disease.

Mortality from **drug-induced causes** increased by 8 percent between 1996 and 1997, while the age-adjusted death rate for **alcohol-induced causes** was not substantially different from the previous year.

In terms of **sex differentials** in mortality, the age-adjusted death rate for all causes of death combined was 60.4 percent higher for males than for females. For each of the 15 leading causes of death except Alzheimer's disease, age-adjusted death rates for males were higher than for females. The greatest sex differential in age-adjusted death

rates was for suicide, with a mortality sex ratio of 4.2 male deaths to 1 female death. This was followed by homicide, with a ratio of 3.8, and HIV infection, with a ratio of 3.5. The smallest sex differential was for Alzheimer's disease, with a ratio of 0.9, or about 1.1 female deaths to 1 male death.

The **15 leading causes of death for the total population differed by age.** For age groups 1–4, 5–14, 15–24, and 25–44 years, accidents was the leading cause of death. In 1997 cancer was the leading cause of death for those aged 45–64 years, while heart disease was the leading cause for those aged 65 years and over. The leading cause of death was the same for the white and black populations for all age groups except 15–24 and 25–44 years. For the white population, accidents was the leading cause for these two age groups. For the black population, homicide was the leading cause for those aged 15–24 years, while HIV infection was the leading cause for those aged 25–44 years.

**Mortality levels also varied by race** in 1997. Overall, age-adjusted death rates for the black population exceeded those of the white population by about 55 percent. Rates for the black population were higher for most of the leading causes of death. The largest race differential was for HIV infection, with a rate 7.5 times higher for the black population compared with the white population. The next highest race differential was for homicide, with an age-adjusted death rate for the black population that was 6.0 times that for the white population. Three leading causes that had lower mortality rates for the black population were COPD, suicide, and Alzheimer's disease.

The **age-adjusted death rate for the Hispanic population** except for the Mexican subgroup decreased from 1996 to 1997. The Cuban population had the lowest age-adjusted rate, while the Puerto Rican population had the highest. Mortality of the Hispanic population is understated to some degree because of net underreporting of Hispanic origin on the death certificate. The impact of underreporting on the death certificate is offset by the undercoverage of the Hispanic population in the census and in annual population estimates based on the census.

Eight of the **10 leading causes of death among the Hispanic origin population** were also leading causes among the non-Hispanic population, although some rankings differed. Accidents, diabetes, and chronic liver disease ranked higher among the Hispanic population, while stroke, COPD, and pneumonia and influenza ranked higher among the non-Hispanic population. Homicide and HIV infection were among the 10 leading causes among the Hispanic, but not the total non-Hispanic population; whereas kidney disease and suicide were among the 10 leading causes of the non-Hispanic population, but not the Hispanic population.

The **infant mortality rate** (7.2 infant deaths per 1,000 live births) reached a record low in 1997, continuing the long-term downward trend in infant mortality. Among the **10 leading causes of infant death**, reductions occurred in five causes of infant death. The only cause that showed a statistically significant decline, however, was pneumonia and influenza, which declined 15 percent. The infant mortality rate, neonatal mortality rate, postneonatal mortality rate, and white neonatal mortality rate remained the same between 1996 and 1997. The black neonatal, white postneonatal, and black postneonatal mortality rates declined, although the decline in the black neonatal mortality was not statistically significant. In 1997 the infant mortality rate for black infants was more than twice that for white infants.

Age-adjusted death rates by **marital status** show that in 1997 those who had never married had the highest mortality, followed by

those who were widowed or divorced. Those who were married at the time of death had the lowest mortality. The never-married group had an age-adjusted death rate 68 percent higher than the ever married and 104 percent higher than the currently married. Age-adjusted death rates for those widowed and divorced were 80 percent and 74 percent higher than for those who were married at the time of death.

Higher **educational attainment** is associated with markedly lower risk of death. Persons with less than 12 years of education had the highest age-adjusted death rates, while those with 13 years or more of education had the lowest. Persons with less than 12 years of education had rates about 17 percent higher than persons with 12 years of education and 2.4 times higher than persons with 13 years or more.

Based on age-adjusted death rates, males were 10 times more likely to die from an **injury at work** than females. Mortality from injury at work declined 4 percent between 1996 and 1997.

## Introduction

This report represents the release of final national mortality statistics for 1997 and presents detailed data on deaths and death rates according to a number of social, demographic, and medical characteristics. These data provide information on mortality patterns among Americans by such variables as age, sex, race, Hispanic origin, marital status, educational attainment, injury at work, State of residence, and cause of death. Information on these mortality patterns is important for understanding changes in the health and well-being of the U.S. population (1). Preliminary data for 1997 were presented in the report *Births and Deaths: Preliminary Data for 1997* using an 85- to 93-percent sample of 1997 deaths weighted to independent control totals (2). The findings in this final report are generally consistent with those based on preliminary data.

Mortality data in this report can be used to monitor and evaluate the health status of the Nation in terms of current mortality levels and long-term mortality trends, as well as to identify segments of the U.S. population at greatest risk of death from specific diseases and injuries. Differences in death rates among demographic groups, including racial and ethnic groups, may reflect group differences in factors such as socioeconomic status, access to medical care, and the prevalence of risks specific to a particular group.

This report also includes information not in the previous year's report: [table 19](#) presents deaths, death rates, and age-adjusted death rates for injury deaths according to mechanism and intent of death. This is an alternative to the traditional way of presenting injury data in vital statistics reports. [Table 25](#) presents trend data for ages 15 and over for injury-at-work deaths by race and sex. Life expectancy is shown for the first time for age groups over 85 years in the annual report ([tables 4 and 5](#)). Previously such age detail was shown only in the NCHS decennial life table series (3).

## Methods

Data in this report are based on information from all death certificates filed in the 50 States and the District of Columbia. It is believed that more than 99 percent of deaths occurring in this country are registered (4). Tables showing data by State also provide information for Puerto Rico, the Virgin Islands, Guam, and Samoa. Cause-of-death statistics presented in this report are classified in

accordance with the *Ninth Revision, International Classification of Diseases (ICD-9)* (5). A discussion of cause-of-death classification is provided in the [Technical notes](#).

Mortality data on specific demographic and medical characteristics except educational attainment cover all 50 States and the District of Columbia. Hispanic data are shown for the first time for all 50 States and the District of Columbia. Educational attainment data are provided for 46 States and the District of Columbia. Details on reporting areas for educational attainment are provided in the [Technical notes](#).

Measures of mortality in this report include the number of deaths; crude, age-specific and age-adjusted death rates; infant, neonatal, postneonatal, and maternal mortality rates; life expectancy; and rate ratios. Changes in death rates from 1996 to 1997 and differences in death rates across demographic groups in 1997 are tested for statistical significance. Unless otherwise specified reported differences are statistically significant. Decomposition procedures are used to identify causes of death accounting for changes in life expectancy (6,7). Additional information on these statistical methods, random variation and relative standard error, the computation of derived statistics and rates, population denominators, and the definition of terms is presented in the [Technical notes](#). Data in this report are based in part on unpublished work tables. These and other data are available on the NCHS Web page, especially at [www.cdc.gov/nchswww/about/major/dvs/mort-data.htm](http://www.cdc.gov/nchswww/about/major/dvs/mort-data.htm), and on the forthcoming CD-ROM entitled, *Vital Statistics of the United States, Mortality, 1997*. Availability of mortality microdata is described in the [Technical notes](#) of this report.

## Results and discussion

### Deaths and death rates

In 1997 a total of 2,314,245 deaths were registered in the United States, 445 less than in 1996. The crude death rate for 1997, 864.7 deaths per 100,000 population, was 0.9 percent lower than the 1996 rate of 872.5.

The age-adjusted death rate in 1997 was a record low 479.1 deaths per 100,000 U.S. standard population, 2.5 percent lower than the rate of 491.6 in 1996. Age-adjusted death rates are constructs that show what the level of mortality would be if no changes occurred in the age composition of the population from year to year. (For a discussion of age-adjusted death rates, see [Technical notes](#).) Thus, they are better indicators than unadjusted (crude) death rates for examining changes in the risk of death over a period of time when the age distribution of the population is changing. Also, age-adjusted death rates are better indicators of relative risk when comparing mortality across geographic areas or between sex or race subgroups of the population that have different age compositions. Since 1980 the age-adjusted death rate has decreased every year except 1985, 1988, and 1993, years when major influenza outbreaks increased mortality in the United States (8–11). Between 1980 and 1997 the age-adjusted death rate declined 18 percent ([figure 1](#) and [table 1](#)).

Between 1996 and 1997 age-adjusted death rates decreased for the four major race-sex groups, specifically by 3.0 percent for white males, 1.1 percent for white females, 5.7 percent for black males, and 2.8 percent for black females ([tables A and 1](#)). The 1997 age-adjusted death rates of 573.8 for white males and 358.0 for white females were record lows as were the 1997 rates of 911.9 for black males and 545.5

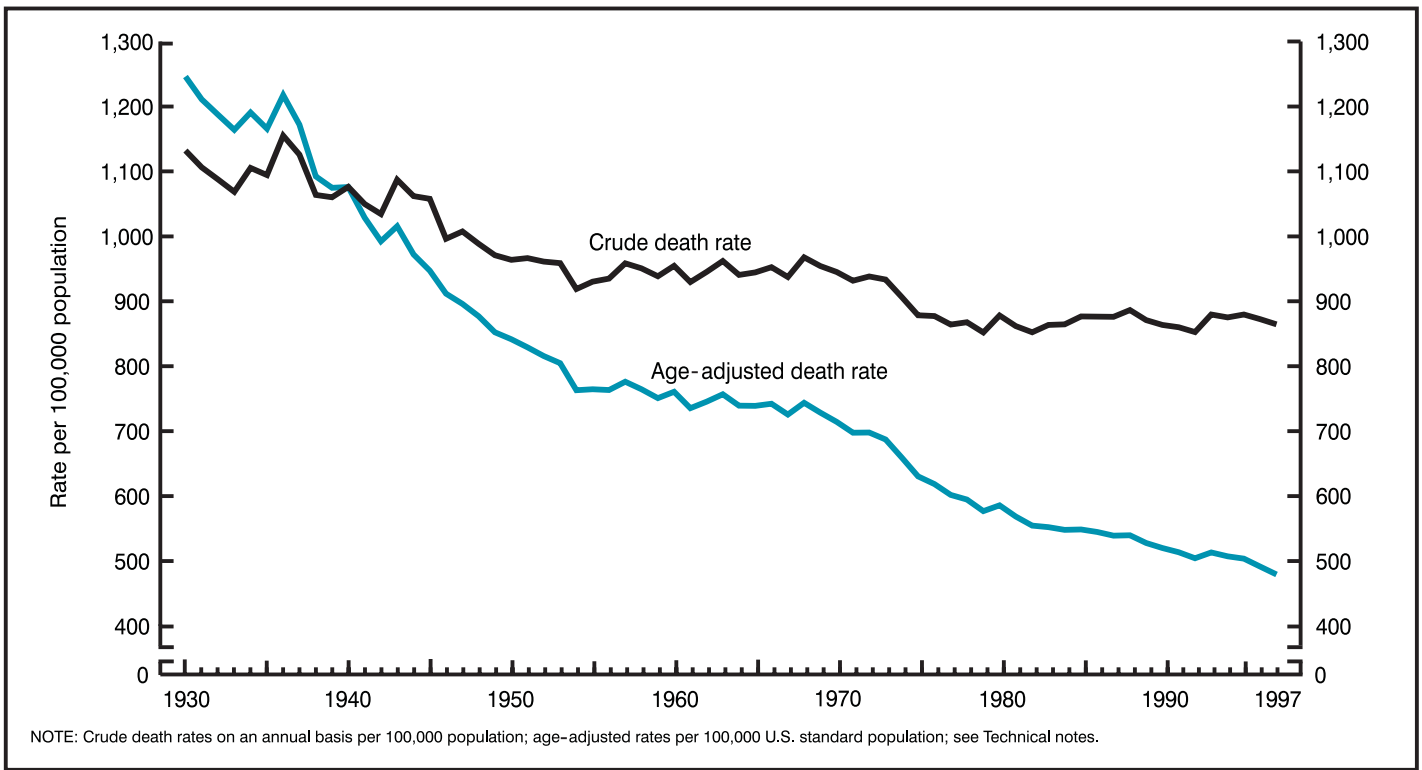


Figure 1. Crude and age-adjusted death rates: United States, 1930–97

Table A. Percent change in death rates and age-adjusted death rates between 1996 and 1997 by age, race, and sex: United States

Age	All races <sup>1</sup>			White			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Percent change									
All ages:									
Crude . . . . .	-0.9	-1.7	-0.1	-0.5	-1.3	0.2	-3.3	-4.9	-1.4
Age-adjusted . . . . .	-2.5	-3.4	-1.4	-2.2	-3.0	-1.1	-4.5	-5.7	-2.8
Under 1 year <sup>2</sup> . . . . .	-2.2	-1.8	-2.8	-1.4	-0.8	-2.2	-4.3	-4.4	-4.2
1–4 years . . . . .	-6.5	-5.9	-7.3	-4.0	-5.4	-1.8	-12.4	-5.9	-19.9
5–14 years . . . . .	-4.1	-5.5	-2.2	-5.0	-4.7	-4.9	-3.1	-8.7	5.0
15–24 years . . . . .	-3.8	-5.1	0.2	-2.5	-4.3	2.6	-7.3	-7.4	-7.2
25–34 years . . . . .	-9.2	-10.4	-6.4	-7.9	-9.4	-4.3	-13.8	-14.5	-12.5
35–44 years . . . . .	-8.2	-10.9	-2.8	-6.6	-9.4	-0.6	-14.0	-16.8	-9.3
45–54 years . . . . .	-3.4	-4.1	-2.2	-3.1	-3.8	-1.9	-5.2	-6.4	-3.2
55–64 years . . . . .	-2.8	-3.8	-1.4	-3.1	-4.0	-1.7	-2.0	-3.1	-0.3
65–74 years . . . . .	-1.1	-1.3	-1.0	-1.0	-1.1	-1.0	-2.3	-3.0	-1.7
75–84 years . . . . .	-1.3	-1.8	-1.0	-1.1	-1.7	-0.8	-2.6	-3.7	-1.8
85 years and over . . . . .	0.1	-0.5	0.3	0.0	-0.6	0.3	1.7	0.5	2.3

0.0 Quantity more than zero but less than 0.05.

<sup>1</sup>Includes races other than white and black.

<sup>2</sup>Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births).

for black females. Age-adjusted death rates have declined almost every year between 1980 and 1997 for white males and females. In 1988 the rate rose for white females, and in 1993 the age-adjusted death rate rose for white males and females. For black males and females age-adjusted death rates fluctuated between 1980 and 1985. For black males age-adjusted death rates increased from 1985 to 1988, while for black females age-adjusted death rates declined between 1985 and

1987, and then rose in 1988. Since 1988, except for 1993, age-adjusted death rates for black males and females have followed a general downward trend.

In 1997 the age-adjusted death rate for males of all races was 1.6 times that for females (table B), unchanged from the previous year. During 1940–79 rates for males and females diverged as the rates for females declined more than for males (54.9 and 36.6 percent,

**Table B. Percent of total deaths, death rates, age-adjusted death rates for 1997, percent change in age-adjusted death rates from 1996 to 1997 and 1979 to 1997, and ratio of age-adjusted death rates by race and sex for the 15 leading causes of death for the population in 1997**

[Death rates on an annual basis per 100,000 population; age-adjusted rates per 100,000 U.S. standard population; see Technical notes]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision International Classification of Diseases, 1975)	Percent of total deaths	Death rate	Age-adjusted death rate				
				1997	Percent change		Ratio	
					1996 to 1997	1979 to 1997	Male to female	Black to white
...	All causes	100.0	864.7	479.1	-2.5	-17.0	1.6	1.5
1	Diseases of heart	31.4	271.6	130.5	-3.0	-34.6	1.8	1.5
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	23.3	201.6	125.6	-1.8	-4.0	1.4	1.3
3	Cerebrovascular diseases	6.9	59.7	25.9	-1.9	-37.7	1.2	1.8
4	Chronic obstructive pulmonary diseases and allied conditions	4.7	40.7	21.1	0.5	44.5	1.5	0.8
5	Accidents and adverse effects	4.1	35.7	30.1	-1.0	-29.8	2.4	1.2
...	Motor vehicle accidents	1.9	16.2	15.9	-1.9	-31.5	2.1	1.1
...	All other accidents and adverse effects	2.3	19.5	14.2	-	-27.6	2.8	1.4
6	Pneumonia and influenza	3.7	32.3	12.9	0.8	15.2	1.5	1.4
7	Diabetes mellitus	2.7	23.4	13.5	-0.7	37.8	1.2	2.4
8	Suicide	1.3	11.4	10.6	-1.9	-9.4	4.2	0.6
9	Nephritis, nephrotic syndrome, and nephrosis	1.1	9.5	4.4	2.3	2.3	1.5	2.6
10	Chronic liver disease and cirrhosis	1.1	9.4	7.4	-1.3	-38.3	2.3	1.2
11	Alzheimer's disease	1.0	8.4	2.7	-	1,250.0	0.9	0.7
12	Septicemia	1.0	8.4	4.2	2.4	82.6	1.2	2.8
13	Homicide and legal intervention	0.9	7.4	8.0	-5.9	-21.6	3.8	6.0
14	Human immunodeficiency virus infection	0.7	6.2	5.8	-47.7	---	3.5	7.5
15	Atherosclerosis	0.7	6.0	2.1	-4.5	-63.2	1.3	1.0
...	All other causes	15.4	132.9	...	...	...	...	...

- Quantity zero.

... Category not applicable.

--- Data not available.

<sup>1</sup>Rank based on number of deaths; see Technical notes.

respectively). Since 1979 age-adjusted death rates have decreased less for females than males (11.2 and 21.6 percent, respectively), with the result that the gap between male and female mortality is narrowing (table 1).

In 1997 the age-adjusted death rate for the black population was 1.5 times that for the white population (table B). For 1960-82 rates for the black and white populations declined by similar percents (27.1 and 26.8 percent, respectively). For 1982-87 rates diverged as they increased 1.8 percent for the black population and decreased 3.5 percent for the white population. After 1987 age-adjusted death rates declined for the black and white populations by similar percents (11.4 and 11.1 percent, respectively).

**Death rates by age, sex, and race**—Between 1996 and 1997 death rates for the total population significantly declined for all age groups except for persons aged 85 and over (table A and figure 2). The largest decreases occurred for the following age groups: 25-34 (9.2 percent), 35-44 (8.2 percent), and 1-4 years (6.5 percent).

The death rate for males declined significantly between 1996 and 1997 in all age groups except under 1 year and 85 years and over (table A). The largest decreases for males were for those aged 35-44 (10.9 percent), 25-34 (10.4 percent), 1-4 (5.9 percent), and 5-14 years (5.5 percent); for females, the death rate declined significantly in all age groups except 5-14, 15-24, and 85 years and over. The largest decreases for females were for those aged 1-4 (7.3 percent) and 25-34 years (6.4 percent).

Among white and black males, age-specific death rates were lower in 1997 than in 1996 for all age groups except for 85 years and over

among black males. Decreases for white males were statistically significant for all ages except for under 1 year, 1-4, and 85 years and over. The largest decreases were for those aged 25-34 and 35-44 years (9.4 percent for both). The death rate for black males declined significantly in all age groups except 1-4 and 85 years and over, with the largest decrease for those aged 35-44 and 25-34 years (16.8 and 14.5 percent, respectively). Decreases in rates for white females were statistically significant in these age groups: 25-34, 45-54, 55-64, 65-74, and 75-84 years. The largest statistically significant decline was 4.3 percent for those aged 25-34 years. Decreases in age-specific rates for black females were statistically significant for all age groups except under 1, 5-14, and 55-64 years, with the largest decline for those aged 1-4 years (19.9 percent).

### Expectation of life at birth and at specified ages

Life expectancy at birth represents the average number of years that a group of infants would live if the infants were to experience throughout life the age-specific death rates present at birth. Beginning with this report, a revised life table methodology (see Technical notes) is used to calculate the life expectancies shown. The new method is more comparable to decennial life table methods, provides more accurate estimates, and provides more age detail than the previous method. Values produced by the new method are similar to those produced by the previous method. In 1997 life expectancy at birth reached a record high of 76.5 years, an increase of 0.4 year

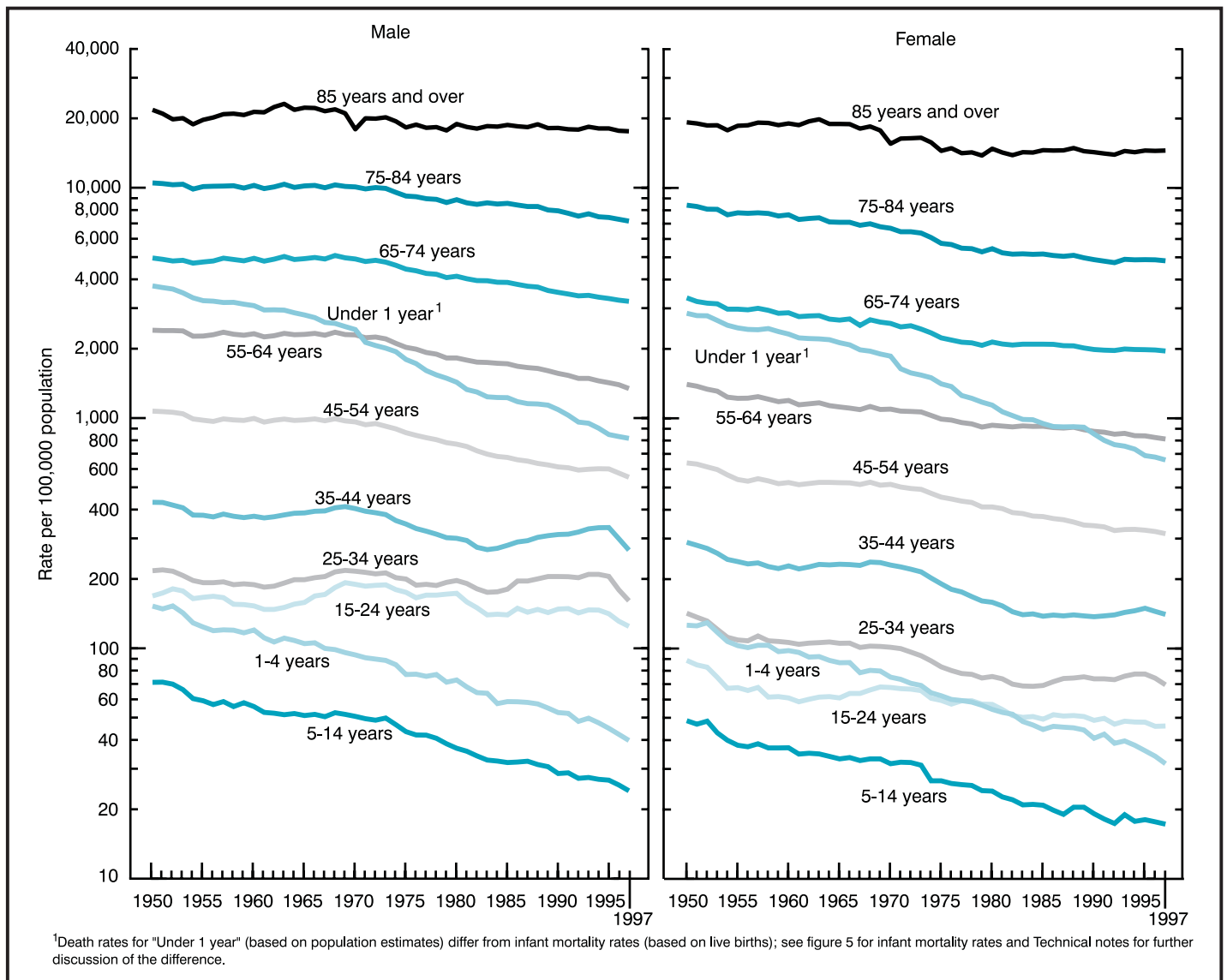


Figure 2. Death rates by age and sex: United States, 1950-97

contrasted with life expectancy in 1996. This increase continues the general upward trend in U.S. life expectancy observed throughout the 20th century.

In 1997 life expectancy for females was 79.4 years, a 0.3-year increase from 1996, while for males it was 73.6 years, a 0.5-year increase. From 1900 to the late 1970's, the sex gap in life expectancy widened from 2.0 years to 7.8 years. Since the peak in the 1970's, this gap has been narrowing. The difference in life expectancy between the sexes declined from 6.0 years in 1996 to 5.8 years in 1997.

Between 1996 and 1997 life expectancy for the white population increased 0.3 years to a record high of 77.1 years, while for the black population it increased 0.9 years from 70.2 years to 71.1 years, reaching a record high. The difference in life expectancy between the white and black populations was 6.0 years in 1997, a narrowing of the gap from 1996 (6.6 years). The white-black difference in life expectancy was the smallest in 1982 at 5.7 years, but by 1989 had widened to 7.1 years.

Among the four race-sex groups (figure 3), white females continued to have the highest life expectancy at birth (79.9 years), followed by black females (74.7 years), white males (74.3 years), and black

males (67.2 years). Record high life expectancies were reached for all groups. Life expectancy for black males declined every year from 1984 to 1989 (4), then increased from 1990 to 1992 and 1994 to 1997 (table 6). For white females life expectancy increased nearly every year from 1970 to 1992, when it reached a record high of 79.8 years. In 1997 life expectancy for white females surpassed this high by 0.1 year. Between 1988 and 1992 and between 1995 and 1996, life expectancy for black females increased. Overall the largest gain in life expectancy between 1980 and 1997 was for white males (3.6 years), followed by black males (3.4 years), black females (2.2 years), and white females (1.8 years). Between 1996 and 1997 the largest gain was for black males (1.1 years), followed by black females (0.5), white males (0.4), and white females (0.2).

The 1997 life table may be used to compare life expectancies at any age from birth onward; for the first time in the annual mortality reports, life expectancies are shown for age groups over 85 years. The life table indicates that a person who has reached 65 years may look forward to living to an older age, on the average, than one who has reached 50 years. On the basis of mortality experienced in 1997, a

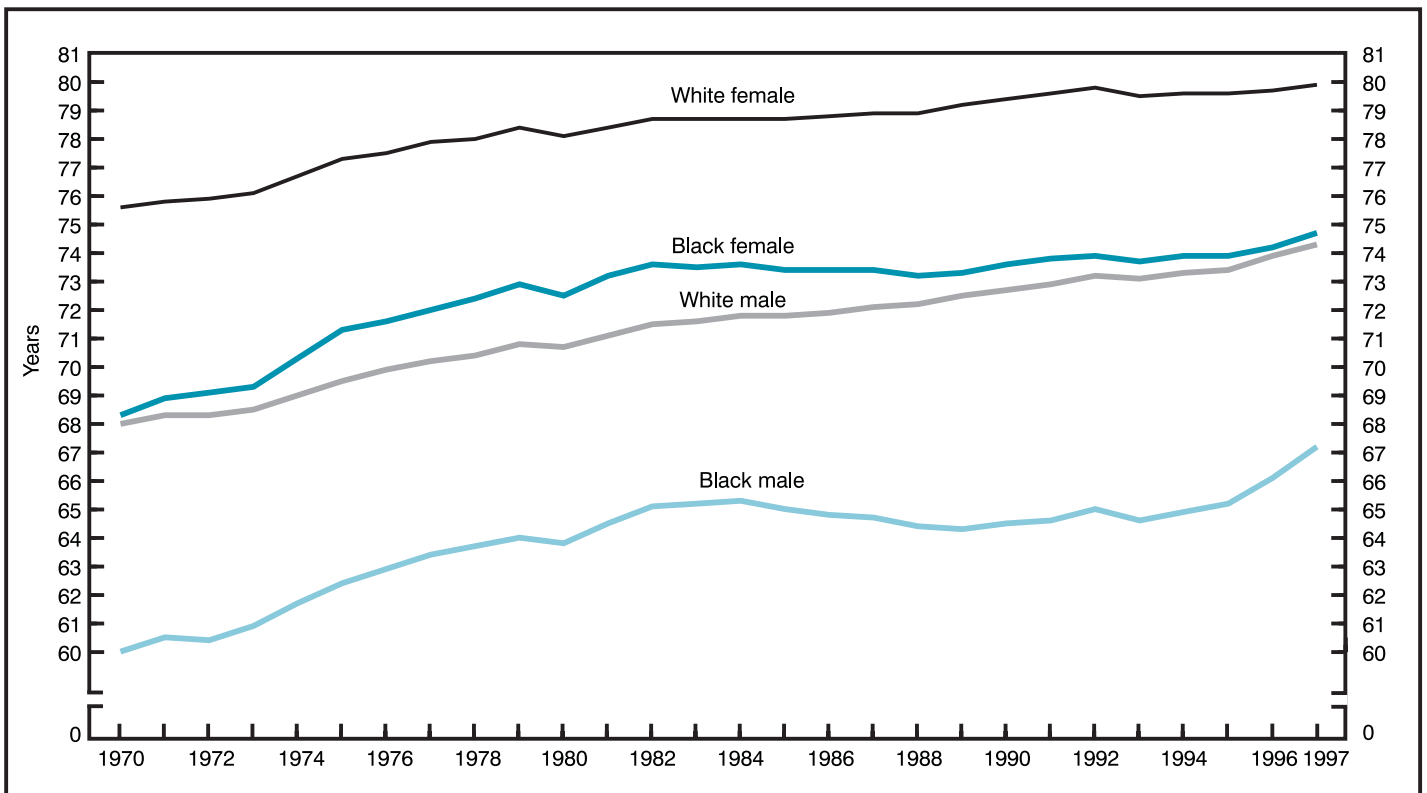


Figure 3. Life expectancy by sex: United States, 1970–97

person aged 50 years could expect to live an average of 29.7 more years for a total of 79.7 years, a person aged 65 years could expect to live an average of 17.7 more years for a total of 82.7 years, and a person aged 85 years could expect to live an average of 6.3 more years for a total of 91.3 years (tables 4 and 5).

### Leading causes of death

The 15 leading causes of death in 1997 accounted for 84.6 percent of all deaths in the United States (table B). (For ranking procedures, see [Technical notes](#).) In 1997 the 15 leading causes remained the same as in 1996, but the ranking changed as follows: HIV infection, the 8th leading cause of death in 1996, became the 14th leading cause in 1997. Suicide, the 9th leading cause in 1996, became the 8th leading cause in 1997; and kidney disease, the 11th leading cause in 1996, became the 9th leading cause in 1997. Chronic liver disease remained the 10th leading cause in 1997. Alzheimer's disease, the 13th leading cause in 1996, became the 11th leading cause in 1997 despite no change in the age-adjusted death rate from this cause. Septicemia remained the 12th leading cause in 1997. Homicide, the 14th leading cause of death in 1996, became the 13th leading cause in 1997, ending three consecutive years in which homicide had dropped in the cause-of-death rankings.

For most leading causes, age-adjusted death rates are better indicators than crude death rates for showing changes in mortality risk over time. Therefore, age-adjusted rates are used to depict trends for all 15 leading causes of death (figure 4). Among these causes, the age-adjusted death rate for 8 of the 15 leading causes showed a statistically significant decrease from 1996 to 1997 (table B). The most notable decline was for HIV infection, with a decrease of 47.7 percent, the second consecutive decline for this cause. From 1987, the year in

which HIV infection was added to the list of rankable causes (see [Technical notes](#)), to 1994, HIV infection mortality increased an average of 16 percent annually. In 1995 the age-adjusted death rate for HIV infection was not significantly different from 1994 after which the rate decreased 28.8 percent from 1995 to 1996.

Continuing a downward trend observed since 1991, between 1996 and 1997 the age-adjusted death rate for homicide dropped 5.9 percent. From 1987 to 1991, homicide mortality rose at an average rate of more than 6 percent per year. The age-adjusted death rate for the leading cause of death, heart disease, declined by 3.0 percent in 1997, while the age-adjusted death rate for cancer, the second leading cause of death, declined by 1.8 percent. The combined number of deaths from these two causes accounted for 55 percent of all U.S. deaths in 1997. Heart disease has generally been declining since 1950, and cancer has shown a gradual but consistently downward trend since 1990. Stroke, the third leading cause of death, declined by 1.9 percent between 1996 and 1997. Stroke generally declined between 1950 and 1992, increased 1.9 percent between 1992 and 1995, and has declined since 1995. Accidents, the fifth leading cause, declined by 1.0 percent. Suicide, the 8th leading cause of death declined by 1.9 percent, and atherosclerosis, the 15th leading cause of death, declined by 4.5 percent. Two other leading causes declined between 1996 and 1997, although the declines were not statistically significant: diabetes (0.7 percent) and chronic liver disease (1.3 percent). Until 1996 diabetes mortality had been increasing consistently since 1986, and at an accelerated rate since 1990. An anomalous 14-percent increase in the age-adjusted rate for diabetes during 1988–89 has been attributed in part to the 1989 revision of the death certificate (8).

Septicemia and kidney disease were the only leading causes of death that had statistically significant increases in age-adjusted death

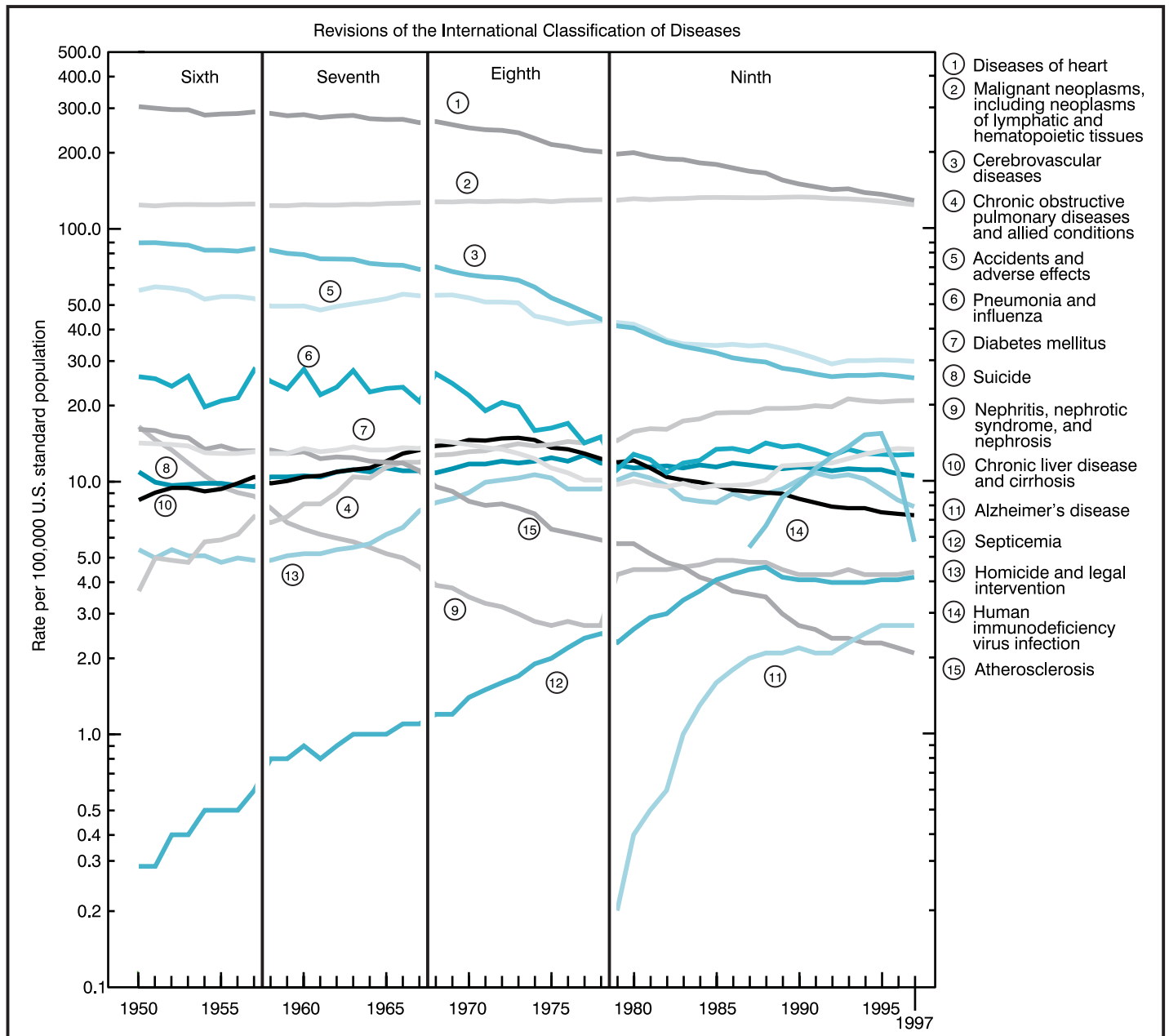


Figure 4. Age-adjusted death rates for the 15 leading causes of death: United States, 1950–97

rates, 2.4 percent and 2.3 percent, respectively. Two other leading causes increased, although the increases were not statistically significant: COPD and pneumonia and influenza. For one leading cause of death—Alzheimer's disease—age-adjusted death rates did not change between 1996 and 1997.

Leading causes of death differed by age, sex, and race (table 8). Accidents was the leading cause of death for those aged 1–4, 5–14, 15–24, and 25–44 years. While in 1995 HIV infection was the leading cause of death for the age group 25–44 years, by 1997 it dropped to a rank of fifth. In the older age groups, chronic diseases were the leading causes: cancer, for those aged 45–64 years, and heart disease, for those aged 65 years and over. At the younger ages, homicide ranked fourth for those aged 1–4 years, third for those aged 5–14 years, and second for those aged 15–24 years. Suicide was the third leading cause of death for those aged 15–24 years.

Seven of the leading causes of death were the same for males and females, although there were differences in the ranking. Accidents was the fourth leading cause of death for males but seventh for females. While diabetes was the seventh leading cause of death for males, it was sixth for females. Suicide, chronic liver disease, and homicide were respectively the 8th, 9th, and 10th leading causes of death for males but did not rank at all among the 10 leading causes of death for females. Alzheimer's disease, kidney disease, and septicemia (diseases more likely to affect the elderly) were among the 10 leading causes of death for females but not males. The sex patterns in leading causes of death also differed according to age. In general the 10 leading causes were the same, but the relative rankings varied by sex for a given age group. For example, for the age group 25–44 years, suicide was third for males but fifth for females, and cancer was the leading cause of death among females but ranked fourth for males.



Although there were differences in ranking, seven of the leading causes were the same for the white and black populations. Thus, COPD was the fourth leading cause for the white population, but was ninth for the black population. Suicide, chronic liver disease, and Alzheimer's disease were among the 10 leading causes for the white population but not for the black population. HIV infection, homicide, and Certain conditions originating in the perinatal period (perinatal conditions) were among the 10 leading causes for the black population but not the white population. Within broad age groups for the white and black populations, the leading cause was the same except for the age groups 15–24 and 25–44 years. For both of these age groups, the leading cause for the white population was accidents; while for the black population, the leading cause for those aged 15–24 years was homicide, and for those aged 25–44 years, HIV infection. Beyond the age group 5–14 years, accidents ranked higher for the white than for the black population; while homicide and HIV infection consistently ranked higher for the black population for all age groups under 45 years. For the age groups 5–14, 15–24, and 25–44 years, suicide ranked higher for the white population.

The relative risk of death in one group compared with another can be expressed as a ratio. Ratios based on age-adjusted death rates show that males have higher ratios than females for 14 leading causes of death (table B), with nine rates for males at least 1.5 times those for females. The largest ratio (4.2) was for suicide. Other large ratios were homicide (3.8), HIV infection (3.5), accidents (2.4), chronic liver disease (2.3), heart disease (1.8), pneumonia and influenza (1.5), COPD (1.5), and kidney disease (1.5).

Ratios for the black population compared with the white population were at least 1.5 times greater for seven of the leading causes of death (table B). The largest ratio was for HIV infection (7.5). Other causes for which the ratio was large include homicide (6.0), septicemia (2.8), kidney disease (2.6), diabetes (2.4), stroke (1.8), heart disease (1.5), and pneumonia and influenza (1.4). For three of the leading causes, age-adjusted rates were higher for the white than the black population: COPD (1.2), Alzheimer's disease (1.5), and suicide (1.8).

Causes of death can be identified that accounted for changes in age-specific death rates between 1996 and 1997. Thus, the 6.5-percent decrease in the death rate for those aged 1–4 years and the 4.1-percent decrease in the death rate for those aged 5–14 years were due mainly to declines in mortality from HIV infection. Decreases in mortality from accidents and homicide, followed by suicide, were largely responsible for the 3.8-percent decrease in the death rate for those aged 15–24 years. The 9.2-percent decrease in the death rate for those aged 25–34 years and the 8.2-percent decrease for those aged 35–44 years were overwhelmingly due to decreases in HIV infection. The 3.4-percent decrease for those aged 45–54 years reflected decreases in mortality from HIV infection and heart disease. Decreases in death rates for those aged 55–64 and 65–74 years were due primarily to decreases in mortality from heart disease and cancer; while the decrease for those 75–84 years reflected decreases in mortality from heart disease, cancer, and stroke.

For white males the decline in mortality due to accidents and suicide had the largest impact on decreases in death rates among persons in the 15–24-year-old age group. Decreases in the death rates of white males aged 25–34, 35–44, and 45–54 years are attributable mainly to the drop in mortality from HIV infection. Over age 55, declines in heart disease and cancer mortality accounted for most of the

decrease in age-specific death rates with declines in stroke mortality also contributing to reductions in the rate for those 75–84 years.

Among black males, declines in homicide and accident mortality had the largest effect on reducing the age-specific death rate of those aged 15–24 years. For those aged 25–34, 35–44, 45–54, and 55–64 years, declines in mortality due to HIV infection had the greatest influence on reducing death rates. Decreases in age-specific death rates of black males over the age of 65 were due largely to the decline in heart disease, cancer, and stroke mortality.

Declines in HIV infection and cancer mortality had the greatest effect on the decrease in the death rate of 25–34-year-old white females, while the decline in heart disease and stroke mortality influenced the decrease for those aged 45–54 years. Decreases in heart disease and cancer mortality contributed the most to the decline for those aged 55–64 and 65–74 years, and the decline in heart disease was the primary contributor to the decline in the death rate of those aged 75–84 years.

Reductions in Congenital anomalies (congenital anomalies), homicide, heart disease, and HIV infection contributed to the 19.9 percent decrease in the death rate of 1–4-year-old black females. Decreases in the death rates of black females aged 15–24 years are attributable mainly to the decrease in COPD mortality, while the decline in the death rate of 35–44-year-olds and 45–54-year-olds reflects declines in HIV infection and heart disease. Decreases for 65–74-year-olds is credited to the reduction in diabetes mortality, and declines in heart disease and stroke mortality had the greatest effect on the decrease in the death rate of those aged 75–84 years.

Life expectancy at birth improved from 76.1 years in 1996 to 76.5 years in 1997 primarily because of decreases in mortality from HIV infection, heart disease, cancer, stroke, and homicide. (For discussion of contribution to the change in life expectancy, see [Technical notes](#).) Among white males, life expectancy improved by 0.4 year between 1996 and 1997 because of decreases in mortality from HIV infection, heart disease, cancer, suicide, and stroke, despite increases in mortality from perinatal conditions, pneumonia and influenza, COPD, and septicemia. For white females the decreases in mortality from heart disease, cancer, HIV infection, stroke, and homicide were partially offset by increases in mortality from COPD, Alzheimer's disease, kidney disease, and congenital anomalies resulting in an increase of 0.2 year in white female life expectancy from 1996 to 1997. For black males decreases in mortality from HIV infection, homicide, heart disease, cancer, and pneumonia and influenza contributed to the 1.1-year gain in life expectancy. This gain occurred despite increases in mortality from diabetes and Viral hepatitis (hepatitis). Life expectancy for black females increased by 0.5 year due to declines in mortality from heart disease, HIV infection, stroke, homicide, and diabetes, which were partially offset by increases in mortality from septicemia.

Life expectancy for white males was 7.1 years longer than for black males in 1997. The causes of death contributing the most to the white male advantage in life expectancy were heart disease, cancer, homicide, HIV infection, and perinatal conditions. This advantage was offset by suicide and Alzheimer's disease, which are bigger mortality problems for white than black males. The life expectancy for white females was 5.2 years longer than that for black females. Contributing the most to this differential were lower mortality of white females for heart disease, cancer, diabetes, perinatal conditions, and stroke. COPD, suicide, and

Alzheimer's disease, for which rates are higher for white than black females, prevented this difference from being greater.

## Hispanic mortality

For the first time in this series, Hispanic mortality data are based on deaths to residents of all 50 States and the District of Columbia. Problems of race and Hispanic-origin classification affect the level of Hispanic death rates and the relative levels compared with the non-Hispanic population (see [Technical notes](#)). Mortality of Hispanics is somewhat understated because of net underreporting of Hispanic origin on the death certificate. Compared with the Current Population Survey, Hispanic origin on the death certificate may be underreported by an estimated 7 percent (see [Technical notes](#)). Mitigating this somewhat is undercoverage of the Hispanic population in the census and in annual population estimates based on the census. The age-adjusted death rate for the Hispanic population declined by 4.3 percent from 1996 to 1997 from 365.9 deaths per 100,000 U.S. standard population to 350.3, compared with a decline of 2.3 percent for the non-Hispanic population from 496.2 to 485.0.

Mortality for the Hispanic population can be compared with that of the non-Hispanic white and black populations ([tables 3 and 9](#)). The crude death rate for the Hispanic population was 67 percent below that of the non-Hispanic white population and 62 percent below that of the non-Hispanic black population. The age-adjusted death rate, which controls for age-composition differences, was 17 percent lower for the Hispanic population than for the non-Hispanic white population and nearly 52 percent lower than for the non-Hispanic black population. The larger difference in the crude death rates for the Hispanic and non-Hispanic black populations reflects a combination of the lower age-specific mortality, especially for the older age groups, and the younger age composition of the Hispanic population compared with that of the non-Hispanic black population. Part of the difference is also due to underreporting of Hispanic origin on the death certificate (see [Technical notes](#)).

Within the Hispanic population, the age-adjusted death rate for males was 1.7 times that for females, compared with 1.6 for non-Hispanic whites and 1.7 for non-Hispanic blacks. The male-to-female ratio differed substantially by age, with Hispanic males experiencing more than 2 times greater death rates than Hispanic females for ages 15–44 years. The ratio ranged between 1.1 and 1.2 for ages under 15 years and between 1.2 and 2.0 for ages 45 years and over.

The age-adjusted death rates were substantially lower for the Cuban (302.6), Central and South American and Other and unknown Hispanic (320.8), and Mexican populations (365.2) than for the Puerto Rican population (419.7). Among Hispanic males and females, the Cuban population had the lowest age-adjusted death rate, while the Puerto Rican population had the highest.

The 10 leading causes of death for the Hispanic population were the same from 1996 to 1997. The ranking also remained the same except that HIV infection, the 5th leading cause of death in 1996, dropped to 10th, while the 6th to 10th leading causes in 1996 moved to 5th to 9th in the same order.

Leading causes of death, for all age groups combined differed between the Hispanic and the total non-Hispanic, non-Hispanic white, and non-Hispanic black population ([table 9](#)). Although the two leading causes of death—heart disease and cancer—were the same, they accounted for 55 percent of all deaths in 1997 for the total non-Hispanic

population but for only 44 percent for the Hispanic population. These two causes accounted for 56 percent of the deaths for the non-Hispanic white population and 50 percent for the non-Hispanic black population. Of the 10 leading causes of death for the Hispanic population, homicide (the 6th leading cause) and HIV infection (the 10th leading cause) were not among the 10 leading causes for the total non-Hispanic population. Suicide and kidney disease, the 8th and 9th leading causes of death for the total non-Hispanic population, were not among the 10 leading causes for the Hispanic population ([table 9](#)).

Differences in the ranking of the leading causes of death for all ages combined between these population groups largely reflect differences in age composition; that is, the Hispanic population has a greater proportion of young persons, and, accordingly, a larger proportion of deaths due to causes that are more prevalent at younger ages. Within broad age groups, leading causes were similar between the population groups. However, even within age categories some differences exist. Homicide and HIV infection ranked higher for the Hispanic population than for the total non-Hispanic population for those aged 25–44 and 45–64 years. Chronic liver disease also ranked higher for the Hispanic population than for the total non-Hispanic population for ages 45–64 years. COPD ranked lower for the Hispanic population than for the total non-Hispanic population for ages 5–14, 15–24, 45–64, and 65 years and over. Suicide ranked lower for the Hispanic population than for the total non-Hispanic population for ages 25–44 and 45–64 years.

## Firearm mortality

In 1997 a total of 32,436 persons died from firearm injuries in the United States ([table 16](#)). This number was 4.7 percent lower than the 34,040 deaths in 1996. Firearm suicide and homicide, the two major component causes, accounted for 54.2 and 41.7 percent, respectively, of all firearm injury deaths in 1997.

Of the firearm injury deaths in 1997, 60.7 percent were white males, 22.9 percent were black males, 11.1 percent were white females, and 3.0 percent were black females. The largest numbers of firearm deaths for males were for the age groups 15–24 and 25–34 years; the largest numbers of firearm deaths for females were for the age groups 25–34 and 35–44 years. Although the numbers of deaths were highest for white males, the age-adjusted and age-specific death rates for firearm injuries were generally highest for black males, followed by white males, black females, and white females. Over the age of 65, however, age-specific death rates for firearm injury were highest for white males ([table 17](#)).

In 1997 the age-adjusted death rate for firearm injuries was 12.2 deaths per 100,000 U.S. standard population, 5.4 percent lower than the rate of 12.9 in 1996. Since 1980 the trend in mortality due to firearms has changed directions several times. The age-adjusted death rate decreased by 14.2 percent between 1980 and 1985, increased by 16.9 percent between 1987 and 1991, decreased by 2 percent between 1991 and 1992, increased by 4.7 percent from 1992 to 1993, and has declined every year since 1993. Between 1993 and 1997 the age-adjusted death rate for firearm injuries declined by 21.8 percent ([table 18](#)).

Between 1996 and 1997 the age-adjusted death rate for firearm injuries decreased by 8.8 percent for black males, 5.0 percent for white males, and 13.8 percent for black females. The rate remained the same for white females. In 1997 the rate for males was 6.2 times that for females, and the rate for the black population was 2.6 times that of the white population.

The age-adjusted death rate decreased by 20.0 percent for firearm accidents, 6.7 percent for firearm homicide, and 4.8 percent for firearm suicide between 1996 and 1997. In 1997 the age-specific death rates for firearm homicide were highest for the age groups 15–24 and 25–34 years. Black males aged 15–24 years had the highest rate at 104.2 per 100,000 population. The highest rate for suicide by firearms was 45.9 for white males 85 years and over.

### Injury mortality by mechanism and intent

For the first time in this series, injury data are presented using an alternative framework (12); the previously presented tabulations of firearm mortality are compatible with this framework. The framework shifts the focus from the traditional emphasis on manner of death or “intent,” that is, on accidents, homicides, suicides, with subcategories showing “mechanism” (for example, drowning or falls) (13) to an emphasis on mechanism with subcategories showing manner of death, or “intent” (for example, accident, homicide, etc.) (12,14).

In 1997 a total of 146,400 deaths were classified as “injuries” using the alternative framework (table 19) compared with 149,691 deaths classified to “external causes” (95,644 accidents; 30,535 suicides; 19,846 homicides; and 3,666 other external causes) using the traditional vital statistics tabulation lists (table 10). The difference between counts of total injury deaths and total external cause deaths is that the injuries exclude 3,043 deaths from Misadventures during medical care, abnormal reactions, and late complications and the 248 deaths from Drugs, medicaments, and biological substances causing adverse effects in therapeutic use, which are classified as external causes in ICD-9 (5). Deaths from motor vehicle traffic-related injuries and firearm-related injuries were responsible for 29.0 and 22.1 percent of all injury deaths in 1997. Deaths from poisoning and falls accounted for an additional 12.1 and 8.6 percent of injury deaths. While nearly all motor vehicle traffic deaths are classified as unintentional, 3.0 percent of firearm deaths are so classified while 54.2 percent and 40.9 percent respectively are coded as suicides and homicides. Similarly, 57.4 percent of poisoning deaths are unintentional, 29.0 percent are suicides and for 13.2 percent the intent is undetermined.

Of the 146,400 injury deaths, the largest number of deaths were for the age groups 15–24, 25–34, and 35–44 years. Although numbers of deaths were highest for young persons, age-specific death rates for injuries were highest at older ages, with the highest rate (288.0 per 100,000) for persons 85 years and over. Patterns of injury mortality by age vary by mechanisms. Death rates associated with motor vehicle traffic injuries are highest at 15–24 years and age groups 75 years and over while firearm-related death rates peak at 15–24 years. Death rates for poisoning are highest at ages 35–44 years (14.9 per 100,000 population); about 60.7 percent of deaths at that age are unintentional and 23.7 percent are suicides. Fall mortality, on the other hand, is higher for the oldest persons in the population, 105.6 per 100,000 persons 85 years and over.

In 1997 the age-adjusted death rate for injuries was 49.1 per 100,000 U.S. standard population. For the four major mechanisms, the rates were as follows: Motor vehicle traffic, all (15.5); Firearm (12.2); Poisoning (6.2), and Fall (2.5).

### Drug-induced mortality

In 1997 a total of 15,973 persons died of drug-induced causes in the United States (table 20). The category “drug-induced causes”

includes not only deaths from dependent and nondependent use of drugs (legal and illegal use), but also poisoning from medically prescribed and other drugs. It excludes accidents, homicides, and other causes indirectly related to drug use. Also excluded are newborn deaths due to mother’s drug use. (For drug-induced causes, see [Technical notes](#).) The age-adjusted death rate for drug-induced causes in 1997 was 5.6 deaths per 100,000 U.S. standard population, compared with the rate of 5.2 in 1996. The rate increased by 35 percent from 1983 to 1988, then declined 14 percent between 1988 and 1990, and increased every year since 1990. Between 1990 and 1997, the age-adjusted death rate for drug-induced causes increased by 56 percent. In 1997 the age-adjusted death rate for drug-induced causes for males was 2.4 times the rate for females. The rate for the black population was greater than that for the white population, but the difference was not statistically significant.

### Alcohol-induced mortality

In 1997 a total of 19,576 persons died of alcohol-induced causes in the United States (table 21). The category “alcohol-induced causes” includes not only deaths from dependent and nondependent use of alcohol but also accidental poisoning by alcohol. It excludes accidents, homicides, and other causes indirectly related to alcohol use as well as deaths due to fetal alcohol syndrome. (For alcohol-induced causes, see [Technical notes](#).) The age-adjusted death rate for alcohol-induced causes in 1997 was 6.3 deaths per 100,000 U.S. standard population, a decrease that is not statistically significant from the rate of 6.4 in 1996. The rate decreased 20 percent from 1980 to 1986, increased 9 percent from 1986 to 1989, and decreased 7 percent from 1989 to 1991. There was very little change in the age-adjusted rate between 1991 and 1995. Between 1995 and 1997 the age-adjusted death rate for alcohol-induced causes decreased 6 percent. In 1997 the age-adjusted death rate for alcohol-induced causes for males was 3.4 times the rate for females, and the rate for the black population was 1.5 times the rate for the white population.

### Marital status

Among those aged 15 years and over, the number of deaths in 1997 of persons who were married was 938,886; widowed, 870,581; never married, 228,711; and divorced, 225,308 (table 22) (see [Technical notes](#)). Those never married had the highest age-adjusted death rate, followed by widowed, divorced, and married persons, respectively. The never-married group has an age-adjusted death rate 68 percent higher than the ever-married and 2.0 times the rate for the currently married. Age-adjusted death rates for widowed and divorced persons were 80 percent and 74 percent higher, respectively, than for those who were currently married at the time of death.

For all age groups 15 years and over, death rates for married persons were much lower than those for never-married persons. For ages 25–34 and 35–44 years, widowed persons had the highest death rates; but beginning at age 45, those who never married had the highest death rates.

For each marital status group, males had higher age-adjusted death rates than females, ranging from 73 to 93 percent greater in 1997. Black persons in each marital status group were more likely to die than white persons, with rates ranging from 12 to 47 percent greater.

## Educational attainment

Age-specific and age-adjusted death rates are shown by educational attainment for age groups in the range 25–64 years (table 23). In the 46 reporting States and the District of Columbia, a total of 208,738 decedents aged 25–64 years had completed 12 years of education, compared with 142,752 who had completed 13 years or more and 112,590 who had completed less than 12 years. For the total population, and for males and females separately, mortality is inversely associated with educational attainment; that is, the average risk of death decreases markedly with increasing educational attainment. The age-adjusted death rate for those with less than 12 years of education was 531.7 per 100,000 standard population—17.2 percent higher than the rate of 453.6 for those with 12 years of education and 2.4 times higher than for those with 13 years of education or more. Rates are shown only for ages 25–64 years because persons under age 25 may not have completed their education. Rates are not shown for the older ages because of misreporting of educational attainment on the death certificate (see Technical notes). Data on educational attainment must be interpreted with caution because of misreporting on the death certificate and biases that result from differences between the classification of educational attainment on the death certificate and in census surveys (see Technical notes).

## Injury at work

For persons aged 15 years and over, a total of 5,666 deaths were reported on death certificates due to injuries at work (table 24). Rates were lowest for age groups 15–34 years and 65 years and over. The risk of work-related death was much greater for males than for females; the age-adjusted death rate for males was 5.0 deaths per 100,000 U.S. standard population compared with 0.5 for females, resulting in a mortality ratio of 10. The age-adjusted rate for the black population was 2.7, the same as that for the white population. The male-to-female ratios for the white and black populations were 10.0 and 12.5, respectively.

The age-adjusted death rate for injury-at-work deaths in 1997 was 2.7 deaths per 100,000 U.S. standard population (table 25), 4 percent less than that in 1996. The rate decreased by 4 percent for males and increased 3 percent for females. Changes in the rates between 1996 and 1997 for the white and black populations were not statistically significant.

## Infant mortality

In 1997 a total of 28,045 deaths occurred in children under 1 year (table C), 442 fewer than in 1996. The infant mortality rate of 7.2 infant deaths per 1,000 live births is the lowest rate ever recorded for the United States (figure 5 and table 27), but not statistically different from the rate of 7.3 for the previous year. The mortality rate for white infants declined 1.6 percent (6.0 in 1997 compared with 6.1 in 1996), and the rate for black infants by 3.4 percent (14.2 in 1997 compared with 14.7 in 1996); neither decline was statistically significant. Ascertainment of race for the white and black population is done well while race for smaller population groups are better measured using data from the linked file of live births and infant deaths (15).

The ratio of the black-to-white infant mortality rates was 2.4 in 1997. During 1960–71 infant mortality rates converged as a result of

the rates declining more for the black than the white population (31.6 and 25.3 percent, respectively). From 1971–90, rates diverged as rates for the black population declined less than for the white population (43.9 and 55.0 percent, respectively).

Between 1996 and 1997 the neonatal mortality rate (deaths to infants age 0–27 days per 1,000 live births) for all infants (4.8) and white infants (4.0) remained the same (table 27). For black infants, the rate (9.4) did not change significantly from 1996, and the postneonatal mortality rate (deaths to infants age 28 days–1 year per 1,000 live births) (2.5) remained the same. For white infants the postneonatal mortality rate declined 4.8 percent from 2.1 to 2.0 deaths per 1,000 live births, while for black infants the rate declined 5.9 percent from 5.1 to 4.8 deaths per 1,000 live births.

Among the 10 leading causes of infant death, the first 4—Congenital anomalies, Disorders relating to short gestation and unspecified low birthweight (low birthweight), Sudden infant death syndrome (SIDS), and Respiratory distress syndrome (RDS)—accounted for just over one-half (51.3 percent) of all infant deaths in 1997. The remaining six causes accounted for only 16.4 percent of all infant deaths (table 28). The list of 10 leading causes of infant death was unchanged between 1996 and 1997, but the rankings of 4 of the leading causes of infant death changed slightly. Infections specific to the perinatal period (perinatal infections), the eighth leading cause in 1996, and accidents, the seventh leading cause, switched position in 1997, returning to the ranking for 1995. Pneumonia and influenza, the 9th leading cause in 1996, and Intrauterine hypoxia and birth asphyxia (asphyxia), the 10th leading cause, switched position in 1997.

Congenital anomalies, low birthweight, and Newborn affected by maternal complications of pregnancy (maternal complications) accounted for more than one-half of all neonatal deaths (52 percent). SIDS, the leading cause of death among infants in the postneonatal period, accounted for 29.5 percent of all postneonatal deaths. Congenital anomalies and accidents were the second and third leading causes of postneonatal deaths and together accounted for one-fourth of all postneonatal deaths (table 28).

Between 1996 and 1997 the infant mortality rate for Pneumonia and influenza declined by 15 percent, the only statistically significant decline among the leading causes of infant death. Mortality from SIDS has declined 45 percent since 1988, from a rate of 140.1 to 77.1 in 1997 (8,16).

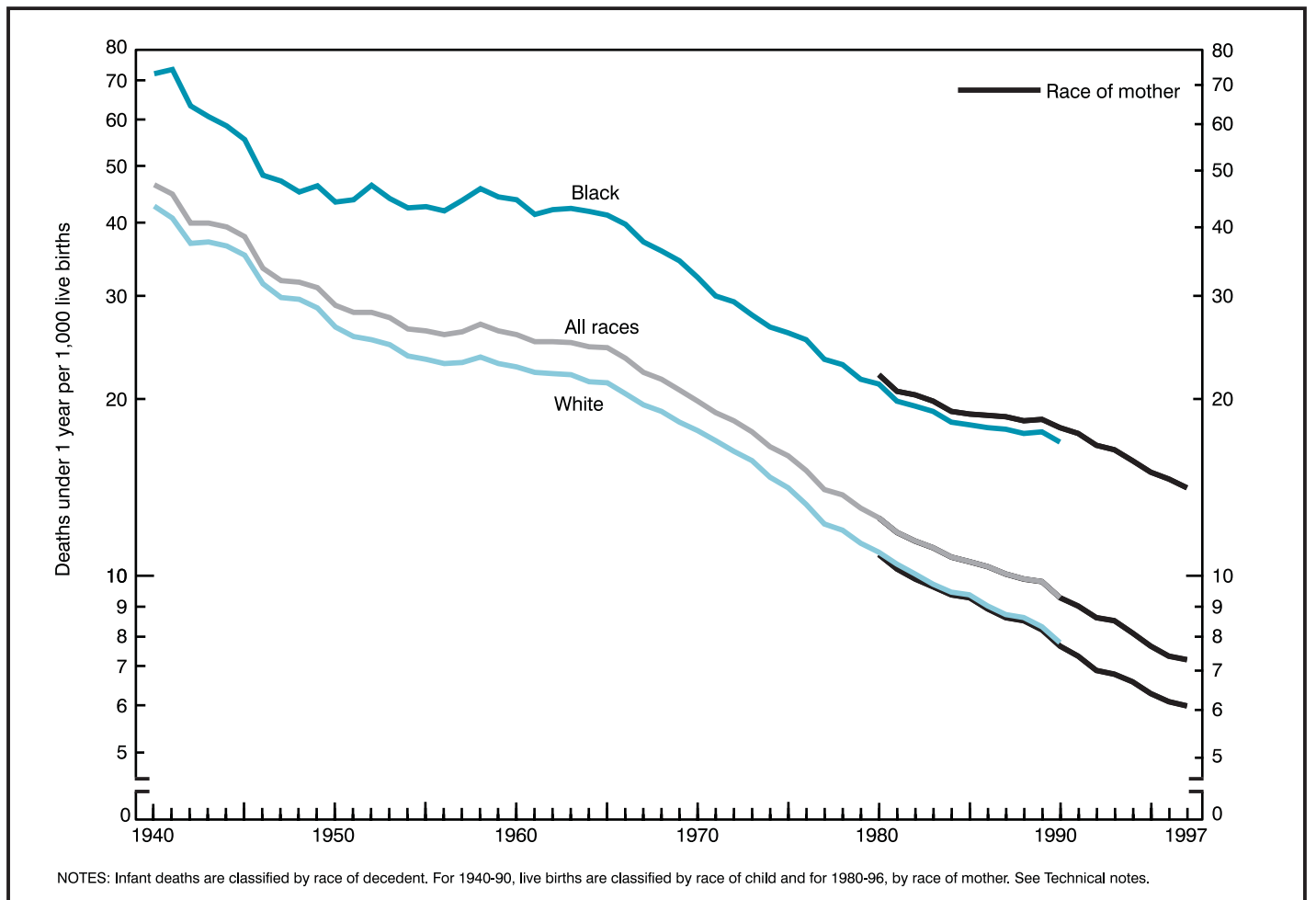
Differences between infant mortality rates for white and black infants by cause are reflected in differences in the ranking of the leading causes of infant death as well as in differences in cause-specific infant mortality rates. Congenital anomalies was the leading cause of death for white infants, followed by low birthweight, SIDS, and RDS. Combined, these four causes accounted for 52.1 percent of white infant deaths. In contrast, the order of the four leading causes of death for black infants was low birthweight, congenital anomalies, SIDS, and RDS. These causes accounted for 49.7 percent of black infant deaths (table 28).

Among the 10 leading causes of infant death, mortality risk was greater for black infants than for white infants. Expressed as the ratio of the infant mortality rate for black infants to that for white infants, the ranking of the leading cause ratios is low birthweight (4.3); RDS (2.8); maternal complications and pneumonia and influenza (2.7); SIDS and perinatal infections (2.4); Newborn affected by complications of placenta, cord, and membranes (complications of placenta) (2.3); accidents (2.2); and congenital anomalies (1.2).

**Table C. Number of infant, neonatal, and postneonatal deaths and mortality rates, by race and sex: United States, 1997**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days–11 months) deaths per 100,000 live births in specified group]

Race and sex	Infant		Neonatal		Postneonatal	
	Number	Rate	Number	Rate	Number	Rate
All races <sup>1</sup>	28,045	722.6	18,524	477.3	9,521	245.3
Male	15,788	795.1	10,327	520.1	5,461	275.0
Female	12,257	646.7	8,197	432.5	4,060	214.2
White	18,539	603.4	12,269	399.3	6,270	204.1
Male	10,503	667.4	6,882	437.3	3,621	230.1
Female	8,036	536.1	5,387	359.4	2,649	176.7
Black	8,496	1,416.2	5,637	939.6	2,859	476.6
Male	4,710	1,546.6	3,083	1,012.4	1,627	534.3
Female	3,786	1,281.7	2,554	864.6	1,232	417.1

<sup>1</sup>Includes races other than white and black.**Figure 5. Infant mortality rates by race: United States, 1940–97**

*Hispanic infant mortality*—The infant mortality rate was 6.0 deaths to Hispanic infants under 1 year of age per 1,000 live births in the United States (table 29) compared with 7.5 for non-Hispanic infants. Infant mortality rates by specified Hispanic origin and race for non-Hispanic origin are somewhat understated and are better measured using data from the linked file of live births and infant deaths (15) (see Technical notes).

### Maternal mortality

In 1997 a total of 327 women were reported to have died of maternal causes (table 32), compared with 294 in 1996. As in previous years, the number does not include all deaths occurring to pregnant women, but only to those deaths reported on the death certificate and assigned to the cause of death, Complications of

pregnancy, childbirth, and the puerperium (ICD-9 Nos. 630–676). It excludes, for example, deaths occurring more than 42 days after the termination of pregnancy and deaths of pregnant women due to external causes (accidents, homicides, and suicides). The maternal mortality rate for 1997 was 8.4 deaths per 100,000 live births, compared with a rate of 7.6 in 1996. The difference in the rates between the years was not statistically significant.

Black women have a substantially higher risk of maternal death than white women. In 1997 the maternal mortality rate for black women was 20.8, more than 3 times the rate of 5.8 for white women. The greatest differential by race was for Toxemia of pregnancy, for which the rate for black females was 4.5 deaths per 100,000 live births, over 4 times the rate of 1.1 for white females.

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**Table 1. Number of deaths, death rates, and age-adjusted death rates, by race and sex: United States, 1940, 1950, 1960, 1970, and 1975-1997**

[Crude rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. Rates are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years. Beginning 1970, excludes deaths of nonresidents of the United States. Data for specified races other than white and black should be interpreted with caution because of inconsistencies between reporting race on death certificates and censuses and surveys; see Technical notes]

Year	All races <sup>1</sup>			White			Black			American Indian <sup>2</sup>			Asian or Pacific Islander <sup>3</sup>		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Number															
1997 ...	2,314,245	1,154,039	1,160,206	1,996,393	986,884	1,009,509	276,520	144,110	132,410	10,576	5,985	4,591	30,756	17,060	13,696
1996 ...	2,314,690	1,163,569	1,151,121	1,992,966	991,984	1,000,982	282,089	149,472	132,617	10,127	5,563	4,564	29,508	16,550	12,958
1995 ...	2,312,132	1,172,959	1,139,173	1,987,437	997,277	990,160	286,401	154,175	132,226	9,997	5,574	4,423	28,297	15,933	12,364
1994 ...	2,278,994	1,162,747	1,116,247	1,959,875	988,823	971,052	282,379	153,019	129,360	9,637	5,497	4,140	27,103	15,408	11,695
1993 ...	2,268,553	1,161,797	1,106,756	1,951,437	988,329	963,108	282,151	153,502	128,649	9,579	5,434	4,145	25,386	14,532	10,854
1992 ...	2,175,613	1,122,336	1,053,277	1,873,781	956,957	916,824	269,219	146,630	122,589	8,953	5,181	3,772	23,660	13,568	10,092
1991 ...	2,169,518	1,121,665	1,047,853	1,868,904	956,497	912,407	269,525	147,331	122,194	8,621	4,948	3,673	22,173	12,727	9,446
1990 ...	2,148,463	1,113,417	1,035,046	1,853,254	950,812	902,442	265,498	145,359	120,139	8,316	4,877	3,439	21,127	12,211	8,916
1989 ...	2,150,466	1,114,190	1,036,276	1,853,841	950,852	902,989	267,642	146,393	121,249	8,614	5,066	3,548	20,042	11,688	8,354
1988 ...	2,167,999	1,125,540	1,042,459	1,876,906	965,419	911,487	264,019	144,228	119,791	7,917	4,617	3,300	18,963	11,155	7,808
1987 ...	2,123,323	1,107,958	1,015,365	1,843,067	953,382	889,685	254,814	139,551	115,263	7,602	4,432	3,170	17,689	10,496	7,193
1986 ...	2,105,361	1,104,005	1,001,356	1,831,083	952,554	878,529	250,326	137,214	113,112	7,301	4,365	2,936	16,514	9,795	6,719
1985 ...	2,086,440	1,097,758	988,682	1,819,054	950,455	868,599	244,207	133,610	110,597	7,154	4,181	2,973	15,887	9,441	6,446
1984 ...	2,039,369	1,076,514	962,855	1,781,897	934,529	847,368	235,884	129,147	106,737	6,949	4,117	2,832	14,483	8,627	5,856
1983 ...	2,019,201	1,071,923	947,278	1,765,582	931,779	833,803	233,124	127,911	105,213	6,839	4,064	2,775	13,554	8,126	5,428
1982 ...	1,974,797	1,056,440	918,357	1,729,085	919,239	809,846	226,513	125,610	100,903	6,679	3,974	2,705	12,430	7,564	4,866
1981 ...	1,977,981	1,063,772	914,209	1,731,233	925,490	805,743	228,560	127,296	101,264	6,608	4,016	2,592	11,475	6,908	4,567
1980 ...	1,989,841	1,075,078	914,763	1,738,607	933,878	804,729	233,135	130,138	102,997	6,923	4,193	2,730	11,071	6,809	4,262
1979 ...	1,913,841	1,044,959	868,882	1,676,145	910,137	766,008	220,818	124,433	96,385	6,728	4,171	2,557	---	---	---
1978 ...	1,927,788	1,055,290	872,498	1,689,722	920,123	769,599	221,340	124,663	96,677	6,959	4,343	2,616	---	---	---
1977 ...	1,899,597	1,046,243	853,354	1,664,100	912,670	751,430	220,076	123,894	96,182	6,454	4,019	2,435	---	---	---
1976 ...	1,909,440	1,051,983	857,457	1,674,989	918,589	756,400	219,442	123,977	95,465	6,300	3,883	2,417	---	---	---
1975 ...	1,892,879	1,050,819	842,060	1,660,366	917,804	742,562	217,932	123,770	94,162	6,166	3,838	2,328	---	---	---
1970 ...	1,921,031	1,078,478	842,553	1,682,096	942,437	739,659	225,647	127,540	98,107	5,675	3,391	2,284	---	---	---
1960 ...	1,711,982	975,648	736,334	1,505,335	860,857	644,478	196,010	107,701	88,309	4,528	2,658	1,870	---	---	---
1950 ...	1,452,454	827,749	624,705	1,276,085	731,366	544,719	169,606	92,004	77,602	4,440	2,497	1,943	---	---	---
1940 ...	1,417,269	791,003	626,266	1,231,223	690,901	540,322	178,743	95,517	83,226	4,791	2,527	2,264	---	---	---
Rate															
1997 ...	864.7	880.8	849.2	902.0	906.3	897.8	814.6	893.9	742.8	455.5	519.2	392.6	306.6	351.7	264.3
1996 ...	872.5	896.4	849.7	906.9	918.1	896.2	842.0	939.9	753.5	442.6	489.8	396.0	302.8	350.7	257.9
1995 ...	880.0	914.1	847.3	911.3	932.1	891.3	864.2	980.7	759.0	445.9	502.3	390.6	304.7	354.9	257.7
1994 ...	875.4	915.0	837.6	905.4	931.6	880.1	864.3	987.8	752.9	436.1	502.6	371.0	301.5	354.0	252.2
1993 ...	880.0	923.5	838.6	908.5	938.8	879.4	876.8	1,006.3	760.1	440.0	503.9	377.3	293.9	346.6	244.2
1992 ...	852.9	901.6	806.5	880.0	917.2	844.3	850.5	977.5	736.2	417.7	487.7	348.9	283.1	332.7	235.8
1991 ...	860.3	912.1	811.0	886.2	926.2	847.7	864.9	998.7	744.5	407.2	471.2	343.9	277.3	325.6	231.1
1990 ...	863.8	918.4	812.0	888.0	930.9	846.9	871.0	1,008.0	747.9	402.8	476.4	330.4	283.3	334.3	234.3
1989 ...	871.3	926.3	818.9	893.2	936.5	851.8	887.9	1,026.7	763.2	430.5	510.7	351.3	280.9	334.5	229.4
1988 ...	886.7	945.1	831.2	910.5	957.9	865.3	888.3	1,026.1	764.6	411.7	485.0	339.9	282.0	339.0	227.4
1987 ...	876.4	939.3	816.7	900.1	952.7	849.8	868.9	1,006.2	745.7	410.7	483.8	339.0	278.9	338.3	222.0
1986 ...	876.7	944.7	812.3	900.1	958.6	844.3	864.9	1,002.6	741.5	409.5	494.9	325.9	276.2	335.1	219.9
1985 ...	876.9	948.6	809.1	900.4	963.6	840.1	854.8	989.3	734.2	416.4	492.5	342.5	283.4	344.6	224.9
1984 ...	864.8	938.8	794.7	887.8	954.1	824.6	836.1	968.5	717.4	419.6	502.7	338.4	275.9	336.5	218.1
1983 ...	863.7	943.2	788.4	885.4	957.7	816.4	836.6	971.2	715.9	428.5	515.1	343.9	276.1	339.1	216.1
1982 ...	852.4	938.4	771.2	873.1	951.8	798.2	823.4	966.2	695.5	434.5	522.9	348.1	271.3	338.3	207.4
1981 ...	862.0	954.0	775.0	880.4	965.2	799.8	842.4	992.6	707.7	445.6	547.9	345.6	272.3	336.2	211.5
1980 ...	878.3	976.9	785.3	892.5	983.3	806.1	875.4	1,034.1	733.3	487.4	597.1	380.1	296.9	375.3	222.5
1979 ...	852.2	957.5	752.7	865.2	963.3	771.8	839.3	999.6	695.3	---	---	---	---	---	---
1978 ...	868.0	977.5	764.5	880.2	982.7	782.7	855.1	1,016.8	709.5	---	---	---	---	---	---
1977 ...	864.4	978.9	756.0	874.6	983.0	771.3	864.0	1,026.0	718.0	---	---	---	---	---	---
1976 ...	877.6	993.8	767.6	887.7	997.3	783.1	875.0	1,041.6	724.5	---	---	---	---	---	---
1975 ...	878.5	1,002.0	761.4	886.9	1,004.1	775.1	882.5	1,055.4	726.1	---	---	---	---	---	---
1970 ...	945.3	1,090.3	807.8	946.3	1,086.7	812.6	999.3	1,186.6	829.2	---	---	---	---	---	---
1960 ...	954.7	1,104.5	809.2	947.8	1,098.5	800.9	1,038.6	1,181.7	905.0	---	---	---	---	---	---
1950 ...	963.8	1,106.1	823.5	945.7	1,089.5	803.3	---	---	---	---	---	---	---	---	---
1940 ...	1,076.4	1,197.4	954.6	1,041.5	1,162.2	919.4	---	---	---	---	---	---	---	---	---

See footnotes at end of table.

**Table 1. Number of deaths, death rates, and age-adjusted death rates, by race and sex: United States, 1940, 1950, 1960, 1970, and 1975-1997 - Con.**

[Crude rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. Rates are based on populations enumerated as of April 1 for census years and estimated as of July 1 for all other years. Beginning 1970, excludes deaths of nonresidents of the United States. Data for specified races other than white and black should be interpreted with caution because of inconsistencies between reporting race on death certificates and censuses and surveys; see Technical notes]

Year	All races <sup>1</sup>			White			Black			American Indian <sup>2</sup>			Asian or Pacific Islander <sup>3</sup>		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	Age-adjusted death rate <sup>4</sup>														
1997 ...	479.1	602.8	375.7	456.5	573.8	358.0	705.3	911.9	545.5	465.3	584.1	359.9	274.8	350.3	214.7
1996 ...	491.6	623.7	381.0	466.8	591.4	361.9	738.3	967.0	561.0	456.7	555.9	367.7	277.4	355.8	214.4
1995 ...	503.9	646.3	385.2	476.9	610.5	364.9	765.7	1,016.7	571.0	468.5	580.4	368.0	298.9	384.4	231.4
1994 ...	507.4	654.6	385.2	479.8	617.9	364.9	772.1	1,029.9	572.0	460.7	585.9	350.8	299.2	386.5	229.3
1993 ...	513.3	664.9	388.3	485.1	627.5	367.7	785.2	1,052.2	578.8	468.9	589.6	364.5	295.9	381.4	226.7
1992 ...	504.5	656.0	380.3	477.5	620.9	359.9	767.5	1,026.9	568.4	453.1	579.6	343.1	285.8	364.1	220.5
1991 ...	513.7	669.9	386.5	486.8	634.4	366.3	780.7	1,048.8	575.1	441.8	562.6	335.9	283.2	360.2	218.3
1990 ...	520.2	680.2	390.6	492.8	644.3	369.9	789.2	1,061.3	581.6	445.1	573.1	335.1	297.6	377.8	228.9
1989 ...	528.0	689.3	397.3	499.6	652.2	376.0	805.9	1,082.8	594.3	475.7	622.8	353.4	295.8	378.9	225.2
1988 ...	539.9	706.1	406.1	512.8	671.3	385.3	809.7	1,083.0	601.0	456.3	585.7	343.2	300.2	385.4	226.5
1987 ...	539.2	706.8	404.6	513.7	674.2	384.8	796.4	1,063.6	592.4	456.7	580.8	351.3	297.0	386.2	221.3
1986 ...	544.8	716.2	407.6	520.1	684.9	388.1	796.8	1,061.9	594.1	451.4	591.6	328.4	296.7	385.3	220.3
1985 ...	548.9	723.0	410.3	524.9	693.3	391.0	793.6	1,053.4	594.8	468.2	602.6	353.3	305.7	396.9	228.5
1984 ...	548.1	721.6	410.5	525.2	693.6	391.7	783.3	1,035.9	590.1	476.9	614.2	347.3	299.4	386.0	223.0
1983 ...	552.5	729.4	412.5	529.4	701.6	393.3	787.4	1,037.5	595.3	485.9	634.0	360.1	298.9	388.6	218.0
1982 ...	554.7	734.2	411.9	532.3	706.8	393.6	782.1	1,035.4	585.9	494.3	634.6	371.6	293.6	389.2	212.8
1981 ...	568.6	753.8	420.8	544.8	724.8	401.5	807.0	1,068.8	602.7	514.0	676.7	368.5	293.2	382.3	213.9
1980 ...	585.8	777.2	432.6	559.4	745.3	411.1	842.5	1,112.8	631.1	564.1	732.5	414.1	315.6	416.6	224.6
1979 ...	577.0	768.6	423.1	551.9	738.4	402.5	812.1	1,073.3	605.0	---	---	---	---	---	---
1978 ...	595.0	791.4	437.4	569.5	761.1	416.4	831.8	1,093.9	622.7	---	---	---	---	---	---
1977 ...	602.1	801.3	441.8	575.7	770.6	419.6	849.3	1,112.1	639.6	---	---	---	---	---	---
1976 ...	618.5	820.9	455.0	591.3	789.3	432.5	870.5	1,138.3	654.5	---	---	---	---	---	---
1975 ...	630.4	837.2	462.5	602.2	804.3	439.0	890.8	1,163.0	670.6	---	---	---	---	---	---
1970 ...	714.3	931.6	532.5	679.6	893.4	501.7	1,044.0	1,318.6	814.4	---	---	---	---	---	---
1960 ...	760.9	949.3	590.6	727.0	917.7	555.0	1,073.3	1,246.1	916.9	---	---	---	---	---	---
1950 ...	841.5	1,001.6	688.4	800.4	963.1	645.0	---	---	---	---	---	---	---	---	---
1940 ...	1,076.1	1,213.0	938.9	1,017.2	1,155.1	879.0	---	---	---	---	---	---	---	---	---

--- Data not available.

<sup>1</sup> For 1940-91 includes deaths among races not shown separately; see Technical notes.

<sup>2</sup> Includes deaths among Aleuts and Eskimos.

<sup>3</sup> Includes deaths among Chinese, Filipino, Hawaiian, Japanese, and Other Asian or Pacific Islander.

<sup>4</sup> For method of computation, see Technical notes.

**Table 2. Number of deaths and death rates, by age, race, and sex: United States, 1997**

[Rates per 100,000 population in specified group. Data for specified races other than white and black should be interpreted with caution because of inconsistencies between reporting race on death certificates and censuses and surveys; see Technical notes]

Age	All races			White			Black			American Indian <sup>1</sup>			Asian or Pacific Islander <sup>2</sup>		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Number															
All ages .....	2,314,245	1,154,039	1,160,206	1,996,393	986,884	1,009,509	276,520	144,110	132,410	10,576	5,985	4,591	30,756	17,060	13,696
Under 1 year .....	28,045	15,788	12,257	18,539	10,503	8,036	8,496	4,710	3,786	317	186	131	693	389	304
1 - 4 years .....	5,501	3,121	2,380	3,849	2,193	1,656	1,383	796	587	95	42	53	174	90	84
5 - 9 years .....	3,645	2,045	1,600	2,521	1,446	1,075	947	502	445	61	33	28	116	64	52
10 - 14 years .....	4,416	2,718	1,698	3,285	2,033	1,252	943	574	369	58	35	23	130	76	54
15 - 19 years .....	14,272	10,265	4,007	10,527	7,397	3,130	3,188	2,475	713	239	181	58	318	212	106
20 - 24 years .....	17,272	13,047	4,225	12,040	9,017	3,023	4,550	3,546	1,004	247	190	57	435	294	141
25 - 29 years .....	19,272	13,759	5,513	13,422	9,644	3,778	5,093	3,578	1,515	289	213	76	468	324	144
30 - 34 years .....	26,266	17,948	8,318	18,838	13,104	5,734	6,582	4,292	2,290	395	260	135	451	292	159
35 - 39 years .....	38,172	25,078	13,094	27,568	18,501	9,067	9,470	5,842	3,628	470	316	154	664	419	245
40 - 44 years .....	51,236	33,063	18,173	37,587	24,691	12,896	12,177	7,503	4,674	545	353	192	927	516	411
45 - 49 years .....	65,090	41,447	23,643	48,511	31,226	17,285	14,737	9,114	5,623	603	371	232	1,239	736	503
50 - 54 years .....	79,792	49,140	30,652	62,893	38,974	23,919	14,877	8,953	5,924	647	405	242	1,375	808	567
55 - 59 years .....	98,130	59,184	38,946	78,397	47,548	30,849	17,253	10,086	7,167	709	434	275	1,771	1,116	655
60 - 64 years .....	133,863	79,692	54,171	109,450	65,755	43,695	21,391	12,179	9,212	837	480	357	2,185	1,278	907
65 - 69 years .....	194,776	113,790	80,986	165,581	97,752	67,829	25,288	13,893	11,395	974	534	440	2,933	1,611	1,322
70 - 74 years .....	269,498	150,085	119,413	234,217	131,749	102,468	30,613	15,767	14,846	1,056	580	476	3,612	1,989	1,623
75 - 79 years .....	325,799	169,810	155,989	290,591	152,257	138,334	30,212	14,874	15,338	988	495	493	4,008	2,184	1,824
80 - 84 years .....	344,731	159,581	185,150	313,012	145,618	167,394	27,115	11,597	15,518	865	408	457	3,739	1,958	1,781
85 years and over .....	594,068	194,161	399,907	545,264	177,227	368,037	42,115	13,767	28,348	1,177	468	709	5,512	2,699	2,813
Not stated .....	401	317	84	301	249	52	90	62	28	4	1	3	6	5	1
Rate															
All ages <sup>3</sup> .....	864.7	880.8	849.2	902.0	906.3	897.8	814.6	893.9	742.8	455.5	519.2	392.6	306.6	351.7	264.3
Under 1 year <sup>4</sup> .....	738.7	812.8	661.1	613.7	678.1	546.0	1,529.8	1,671.6	1,383.9	775.5	903.0	646.1	385.6	426.3	343.7
1 - 4 years .....	35.8	39.7	31.8	31.6	35.1	28.0	59.2	67.2	51.0	59.1	51.6	66.8	25.1	25.5	24.7
5 - 9 years .....	18.5	20.2	16.6	16.2	18.1	14.2	30.1	31.4	28.7	27.0	28.7	25.2	14.4	15.4	13.3
10 - 14 years .....	23.2	27.9	18.3	21.8	26.2	17.0	32.1	38.5	25.5	24.2	28.8	19.5	16.9	19.3	14.3
15 - 19 years .....	74.8	104.5	43.4	69.5	94.4	42.8	107.6	164.4	48.9	108.9	163.4	53.4	43.3	56.9	29.3
20 - 24 years .....	98.6	145.3	49.5	86.2	124.9	44.8	175.1	276.0	76.4	132.6	200.1	62.4	57.4	77.3	37.4
25 - 29 years .....	102.1	145.3	58.7	88.5	125.5	50.5	194.8	285.6	111.2	151.6	213.8	83.5	52.0	75.1	30.7
30 - 34 years .....	126.6	173.6	80.0	111.4	153.8	68.4	238.3	330.7	156.4	215.2	279.3	149.2	50.6	68.4	34.2
35 - 39 years .....	168.7	222.2	115.5	147.3	196.2	97.7	331.4	435.1	239.5	256.2	345.8	167.3	76.0	99.5	54.1
40 - 44 years .....	239.7	312.0	168.6	211.1	276.7	145.2	471.5	622.3	339.5	329.7	438.7	226.4	113.1	133.4	95.0
45 - 49 years .....	352.4	456.8	251.6	311.7	403.6	220.8	709.6	960.4	498.5	448.7	567.1	336.4	178.5	228.7	135.2
50 - 54 years .....	526.2	665.6	394.0	482.0	607.0	360.8	991.5	1,331.0	715.6	626.8	812.8	453.3	269.6	336.5	210.0
55 - 59 years .....	834.6	1,048.3	637.3	776.9	970.4	594.2	1,427.8	1,904.8	1,055.8	918.1	1,186.7	676.4	465.8	620.4	327.0
60 - 64 years .....	1,331.2	1,679.6	1,019.9	1,260.4	1,585.5	963.2	2,130.1	2,831.0	1,604.8	1,383.1	1,697.9	1,107.0	710.4	919.6	538.0
65 - 69 years .....	1,995.1	2,550.6	1,527.7	1,942.3	2,485.2	1,477.2	2,705.4	3,476.2	2,129.7	2,021.0	2,445.6	1,669.2	1,152.8	1,512.5	893.8
70 - 74 years .....	3,084.9	3,941.9	2,422.8	3,008.6	3,856.7	2,345.4	4,292.8	5,429.9	3,511.8	2,733.8	3,354.3	2,231.0	1,811.7	2,376.4	1,403.1
75 - 79 years .....	4,612.5	5,824.6	3,760.6	4,565.0	5,767.1	3,713.2	5,610.4	7,143.8	4,643.8	3,539.6	4,239.1	3,036.5	3,049.6	3,941.7	2,399.4
80 - 84 years .....	7,425.9	9,313.5	6,321.6	7,407.2	9,312.8	6,288.0	8,347.8	10,462.5	7,252.3	4,855.7	5,706.3	4,285.4	5,059.2	6,155.5	4,230.8
85 years and over .....	15,345.2	17,461.9	14,492.3	15,559.7	17,767.1	14,681.4	14,398.7	16,083.5	13,701.7	6,462.4	7,888.1	5,773.6	9,788.3	11,796.3	8,414.1

<sup>1</sup> Includes deaths among Aleuts and Eskimos.

<sup>2</sup> Includes deaths among Chinese, Filipino, Hawaiian, Japanese, and Other Asian or Pacific Islander.

<sup>3</sup> Figures for age not stated are included in "All ages" but not distributed among age groups.

<sup>4</sup> Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see Technical notes.

**Table 3. Number of deaths, death rates, and age-adjusted death rates according to specified Hispanic origin, race for non-Hispanic population, and sex: United States, 1997**

[Rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated separately by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of inconsistencies between reporting Hispanic origin on death certificates and censuses and surveys; see Technical notes]

Hispanic origin, race for non-Hispanic population, and sex	Total	Under 1 year <sup>1</sup>	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Age not stated	Age-adjusted rate <sup>2</sup>
All origins .....	2,314,245	28,045	5,501	8,061	31,544	45,538	89,408	144,882	231,993	464,274	670,530	594,068	401	...
Male .....	1,154,039	15,788	3,121	4,763	23,312	31,707	58,141	90,587	138,876	263,875	329,391	194,161	317	...
Female .....	1,160,206	12,257	2,380	3,298	8,232	13,831	31,267	54,295	93,117	200,399	341,139	399,907	84	...
Hispanic .....	95,460	4,240	832	934	4,482	5,678	7,508	8,901	11,464	18,052	18,416	14,903	50	...
Male .....	54,348	2,316	465	520	3,569	4,363	5,375	5,891	6,814	10,214	9,103	5,671	47	...
Female .....	41,112	1,924	367	414	913	1,315	2,133	3,010	4,650	7,838	9,313	9,232	3	...
Mexican .....	53,405	2,968	588	645	3,148	3,442	4,131	4,872	6,286	10,077	9,639	7,580	29	...
Male .....	31,182	1,619	327	373	2,533	2,716	3,006	3,224	3,677	5,714	4,871	3,095	27	...
Female .....	22,223	1,349	261	272	615	726	1,125	1,648	2,609	4,363	4,768	4,485	2	...
Puerto Rican .....	12,516	411	68	111	406	794	1,421	1,666	1,842	2,339	2,078	1,378	2	...
Male .....	7,198	224	39	64	308	561	1,008	1,120	1,126	1,330	947	469	2	...
Female .....	5,318	187	29	47	98	233	413	546	716	1,009	1,131	909	-	...
Cuban .....	9,873	71	14	8	74	166	297	505	1,065	2,087	2,863	2,722	1	...
Male .....	5,197	40	6	3	54	124	227	376	710	1,256	1,467	933	1	...
Female .....	4,676	31	8	5	20	42	70	129	355	831	1,396	1,789	-	...
Central and South American .....	8,098	341	86	74	487	745	891	906	992	1,333	1,337	904	2	...
Male .....	4,259	165	55	33	391	568	592	534	536	621	506	256	2	...
Female .....	3,839	176	31	41	96	177	299	372	456	712	831	648	-	...
Other and unknown Hispanic .....	11,568	449	76	96	367	531	768	952	1,279	2,216	2,499	2,319	16	...
Male .....	6,512	268	38	47	283	394	542	637	765	1,293	1,312	918	15	...
Female .....	5,056	181	38	49	84	137	226	315	514	923	1,187	1,401	1	...
Non-Hispanic <sup>3</sup> .....	2,209,450	23,387	4,646	7,098	26,925	39,621	81,361	135,195	219,547	444,454	649,890	577,148	178	...
Male .....	1,094,541	13,234	2,642	4,223	19,637	27,165	52,386	84,152	131,393	252,587	319,179	187,816	127	...
Female .....	1,114,909	10,153	2,004	2,875	7,288	12,456	28,975	51,043	88,154	191,867	330,711	389,332	51	...
White .....	1,895,461	14,170	3,032	4,878	18,105	26,564	57,449	102,199	175,932	380,666	583,570	528,799	97	...
Male .....	929,703	8,118	1,737	2,959	12,863	18,368	37,679	64,114	106,156	218,613	287,971	171,052	73	...
Female .....	965,758	6,052	1,295	1,919	5,242	8,196	19,770	38,085	69,776	162,053	295,599	357,747	24	...
Black .....	273,381	8,272	1,351	1,863	7,617	11,503	21,357	29,206	38,207	55,351	56,825	41,754	75	...
Male .....	142,241	4,577	776	1,061	5,923	7,741	13,144	17,770	21,983	29,347	26,225	13,644	50	...
Female .....	131,140	3,695	575	802	1,694	3,762	8,213	11,436	16,224	26,004	30,600	28,110	25	...
Not stated <sup>4</sup> .....	9,335	418	23	29	137	239	539	786	982	1,768	2,224	2,017	173	...
Male .....	5,150	238	14	20	106	179	380	544	669	1,074	1,109	674	143	...
Female .....	4,185	180	9	9	31	60	159	242	313	694	1,115	1,343	30	...
Rate														
All origins .....	864.7	738.7	35.8	20.8	86.2	115.0	203.2	430.8	1,063.6	2,509.8	5,728.2	15,345.2	...	479.1
Male .....	880.8	812.8	39.7	24.0	124.0	160.1	265.7	550.5	1,336.6	3,191.2	7,116.1	17,461.9	...	602.8
Female .....	849.2	661.1	31.8	17.4	46.3	69.9	141.4	316.1	815.2	1,959.0	4,820.5	14,492.3	...	375.7
Hispanic .....	325.3	614.3	31.3	17.2	87.0	108.5	171.0	341.0	757.8	1,768.4	3,830.2	9,309.4	...	350.3
Male .....	360.5	654.3	34.1	18.7	129.1	154.5	235.7	456.1	957.8	2,251.7	4,750.3	10,487.1	...	447.7
Female .....	288.0	572.3	28.4	15.6	38.3	54.6	101.1	228.3	580.3	1,381.9	3,220.5	8,708.6	...	263.4
Mexican .....	286.4	602.5	31.6	17.2	92.3	102.0	158.6	315.4	805.7	1,881.7	3,984.4	*	...	365.2
Male .....	319.8	669.4	34.9	19.5	135.7	146.1	217.0	411.4	949.1	2,347.6	4,623.5	*	...	442.3
Female .....	249.7	537.9	28.2	14.9	39.8	47.9	92.2	216.5	664.3	1,493.5	3,491.3	*	...	289.3
Puerto Rican .....	407.6	*	26.4	18.7	78.9	165.8	296.6	565.8	908.3	2,019.4	*	*	...	419.7
Male .....	488.2	*	*	22.1	127.2	260.3	417.7	796.6	*	*	*	*	...	558.9
Female .....	333.2	*	*	15.5	35.9	88.5	173.7	354.9	604.4	*	*	*	...	306.9

See footnotes at end of table.

**Table 3. Number of deaths, death rates, and age-adjusted death rates according to specified Hispanic origin, race for non-Hispanic population, and sex: United States, 1997 - Con.**

[Rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated separately by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of inconsistencies between reporting Hispanic origin on death certificates and censuses and surveys; see Technical notes]

Hispanic origin, race for non-Hispanic population, and sex	Total	Under 1 year <sup>1</sup>	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Age not stated	Age-adjusted rate <sup>2</sup>
														Rate
Hispanic - Con.														
Cuban .....	777.3	*	*	*	*	85.5	144.9	413.8	699.2	1,291.3	*	*	...	302.6
Male .....	785.3	*	*	*	*	108.5	197.7	*	*	*	*	*	...	391.5
Female .....	768.6	*	*	*	*	*	*	*	*	*	*	*	...	215.6
Other Hispanic <sup>5</sup> .....	309.3	646.5	34.0	17.3	76.7	107.7	150.5	286.4	601.7	1,707.7	3,720.0	*	...	320.8
Male .....	337.8	*	36.6	15.7	112.3	151.7	210.3	386.3	800.3	*	*	*	...	465.9
Female .....	280.7	*	31.0	19.0	35.1	57.1	93.3	198.8	451.4	1,238.3	*	*	...	232.5
Non-Hispanic <sup>3</sup> .....														
Total .....	927.2	752.9	36.6	21.3	85.7	115.3	205.4	435.8	1,081.5	2,543.0	5,789.7	15,551.3	...	485.0
Male .....	944.0	833.1	40.7	24.7	122.4	159.9	267.2	554.9	1,357.5	3,232.0	7,193.3	17,754.7	...	609.5
Female .....	911.3	668.9	32.3	17.7	47.4	71.6	144.8	321.9	830.0	1,985.7	4,872.2	14,672.8	...	381.4
White .....	974.2	592.8	31.1	19.0	74.2	97.3	176.6	389.5	1,011.7	2,476.9	5,753.1	3,440.7	...	424.3
Male .....	977.3	662.4	34.8	22.4	102.7	134.8	231.4	494.0	1,264.7	3,154.6	7,154.7	18,066.9	...	575.3
Female .....	971.2	519.6	27.3	15.3	44.1	60.0	121.7	287.3	775.7	1,920.3	4,831.1	14,864.0	...	360.9
Black .....	846.4	1,600.4	61.8	32.3	144.1	226.1	412.3	852.0	1,795.7	3,472.6	6,756.5	14,571.1	...	724.3
Male .....	930.4	1,747.1	70.0	36.3	223.8	322.6	544.4	1,147.4	2,386.8	4,400.5	8,442.5	16,299.7	...	937.4
Female .....	770.9	1,449.7	53.3	28.2	64.2	140.0	296.9	608.6	1,344.6	2,805.1	5,769.1	13,857.8	...	559.9

... Category not applicable.

\* Quantity zero.

\* Figure does not meet standards of reliability or precision; see Technical notes.

<sup>1</sup> Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see Technical notes.

<sup>2</sup> For method of computation, see Technical notes.

<sup>3</sup> Includes races other than white and black.

<sup>4</sup> Includes deaths for which Hispanic origin was not reported on the death certificate.

<sup>5</sup> Includes Central and South American and Other and unknown Hispanic.

**Table 4. Abridged life table for the total population, 1997**

[For explanation of the columns of the life table, see *United States Abridged Life Tables, 1996*, National Vital Statistics Reports, Volume 47, Number 13]

Age interval	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval (2)	Number living at beginning of age interval (3)	Number dying during age interval (4)	In the age interval (5)	In this and all subsequent age intervals (6)	Average number of years of life remaining at beginning of age interval (7)
Period of life between two exact ages stated in years (1)	$nq_x$	$l_x$	$n^d_x$	$nL_x$	$T_x$	${}^o e_x$
$x$ to $x + n$						
0-1 .....	0.00723	100,000	723	99,371	7,650,789	76.5
1-5 .....	0.00144	99,277	143	396,774	7,551,418	76.1
5-10 .....	0.00092	99,135	91	495,432	7,154,644	72.2
10-15 .....	0.00116	99,043	115	494,997	6,659,212	67.2
15-20 .....	0.00374	98,929	370	493,801	6,164,215	62.3
20-25 .....	0.00492	98,558	485	491,596	5,670,414	57.5
25-30 .....	0.00509	98,073	499	489,137	5,178,818	52.8
30-35 .....	0.00630	97,574	615	486,397	4,689,680	48.1
35-40 .....	0.00840	96,959	814	482,862	4,203,284	43.4
40-45 .....	0.01196	96,145	1,149	478,017	3,720,422	38.7
45-50 .....	0.01757	94,996	1,669	471,055	3,242,404	34.1
50-55 .....	0.02618	93,327	2,443	460,915	2,771,349	29.7
55-60 .....	0.04123	90,884	3,747	445,708	2,310,434	25.4
60-65 .....	0.06457	87,136	5,627	422,450	1,864,727	21.4
65-70 .....	0.09512	81,510	7,753	389,159	1,442,277	17.7
70-75 .....	0.14365	73,757	10,595	343,402	1,053,118	14.3
75-80 .....	0.20797	63,162	13,135	284,018	709,716	11.2
80-85 .....	0.31593	50,026	15,805	211,466	425,698	8.5
85-90 .....	0.46155	34,221	15,795	130,736	214,232	6.3
90-95 .....	0.62682	18,427	11,550	60,800	83,496	4.5
95-100 .....	0.77325	6,876	5,317	18,825	22,696	3.3
100 and over .....	1.00000	1,559	1,559	3,871	3,871	2.5

**Table 5. Life expectancy at selected ages by race and sex: United States, 1997**

Exact age in years	All other											
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
0 .....	76.5	73.6	79.4	77.1	74.3	79.9	73.4	69.8	76.7	71.1	67.2	74.7
1 .....	76.1	73.1	78.9	76.6	73.8	79.3	73.3	69.7	76.5	71.1	67.2	74.7
5 .....	72.2	69.3	75.0	72.7	69.9	75.4	69.4	65.9	72.7	67.3	63.4	70.9
10 .....	67.2	64.3	70.0	67.8	65.0	70.5	64.5	60.9	67.8	62.4	58.5	66.0
15 .....	62.3	59.4	65.1	62.8	60.0	65.5	59.6	56.0	62.8	57.5	53.6	61.0
20 .....	57.5	54.7	60.2	58.0	55.3	60.7	54.9	51.4	58.0	52.8	49.0	56.2
25 .....	52.8	50.1	55.4	53.3	50.6	55.8	50.3	47.0	53.2	48.2	44.7	51.4
30 .....	48.1	45.4	50.5	48.5	45.9	50.9	45.6	42.5	48.4	43.6	40.3	46.7
35 .....	43.4	40.8	45.7	43.8	41.3	46.1	41.0	38.0	43.7	39.1	35.9	42.0
40 .....	38.7	36.2	40.9	39.1	36.7	41.3	36.6	33.7	39.1	34.7	31.6	37.5
45 .....	34.1	31.8	36.3	34.5	32.1	36.6	32.2	29.5	34.6	30.5	27.5	33.1
50 .....	29.7	27.4	31.7	30.0	27.7	32.0	28.1	25.5	30.3	26.5	23.8	28.8
55 .....	25.4	23.3	27.3	25.6	23.5	27.5	24.1	21.8	26.1	22.8	20.3	24.8
60 .....	21.4	19.4	23.1	21.5	19.6	23.2	20.5	18.3	22.1	19.3	17.0	21.0
65 .....	17.7	15.9	19.2	17.8	16.0	19.3	17.1	15.3	18.5	16.1	14.2	17.6
70 .....	14.3	12.7	15.5	14.3	12.7	15.5	14.0	12.4	15.1	13.1	11.5	14.3
75 .....	11.2	9.9	12.1	11.2	9.9	12.1	11.3	10.0	12.1	10.7	9.3	11.5
80 .....	8.5	7.5	9.1	8.5	7.4	9.1	8.9	7.9	9.4	8.3	7.3	8.9
85 .....	6.3	5.5	6.6	6.2	5.4	6.6	6.9	6.2	7.1	6.4	5.7	6.7
90 .....	4.5	4.0	4.7	4.5	3.9	4.6	5.3	5.0	5.4	5.0	4.5	5.1
95 .....	3.3	3.0	3.4	3.2	2.9	3.3	4.2	4.1	4.1	3.9	3.7	3.8
100 .....	2.5	2.4	2.5	2.4	2.2	2.4	3.3	3.4	3.2	3.0	3.1	2.9

**Table 6. Life expectancy at birth by race and sex: United States, 1940, 1950, 1960, 1970 and 1975-97**

Year	All other											
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
1997	76.5	73.6	79.4	77.1	74.3	79.9	73.4	69.8	76.7	71.1	67.2	74.7
1996	76.1	73.1	79.1	76.8	73.9	79.7	72.6	68.9	76.1	70.2	66.1	74.2
1995	75.8	72.5	78.9	76.5	73.4	79.6	71.9	67.9	75.7	69.6	65.2	73.9
1994	75.7	72.4	79.0	76.5	73.3	79.6	71.7	67.6	75.7	69.5	64.9	73.9
1993	75.5	72.2	78.8	76.3	73.1	79.5	71.5	67.3	75.5	69.2	64.6	73.7
1992	75.8	72.3	79.1	76.5	73.2	79.8	71.8	67.7	75.7	69.6	65.0	73.9
1991	75.5	72.0	78.9	76.3	72.9	79.6	71.5	67.3	75.5	69.3	64.6	73.8
1990	75.4	71.8	78.8	76.1	72.7	79.4	71.2	67.0	75.2	69.1	64.5	73.6
1989	75.1	71.7	78.5	75.9	72.5	79.2	70.9	66.7	74.9	68.8	64.3	73.3
1988	74.9	71.4	78.3	75.6	72.2	78.9	70.8	66.7	74.8	68.9	64.4	73.2
1987	74.9	71.4	78.3	75.6	72.1	78.9	71.0	66.9	75.0	69.1	64.7	73.4
1986	74.7	71.2	78.2	75.4	71.9	78.8	70.9	66.8	74.9	69.1	64.8	73.4
1985	74.7	71.1	78.2	75.3	71.8	78.7	71.0	67.0	74.8	69.3	65.0	73.4
1984	74.7	71.1	78.2	75.3	71.8	78.7	71.1	67.2	74.9	69.5	65.3	73.6
1983	74.6	71.0	78.1	75.2	71.6	78.7	70.9	67.0	74.7	69.4	65.2	73.5
1982	74.5	70.8	78.1	75.1	71.5	78.7	70.9	66.8	74.9	69.4	65.1	73.6
1981	74.1	70.4	77.8	74.8	71.1	78.4	70.3	66.2	74.4	68.9	64.5	73.2
1980	73.7	70.0	77.4	74.4	70.7	78.1	69.5	65.3	73.6	68.1	63.8	72.5
1979	73.9	70.0	77.8	74.6	70.8	78.4	69.8	65.4	74.1	68.5	64.0	72.9
1978	73.5	69.6	77.3	74.1	70.4	78.0	69.3	65.0	73.5	68.1	63.7	72.4
1977	73.3	69.5	77.2	74.0	70.2	77.9	68.9	64.7	73.2	67.7	63.4	72.0
1976	72.9	69.1	76.8	73.6	69.9	77.5	68.4	64.2	72.7	67.2	62.9	71.6
1975	72.6	68.8	76.6	73.4	69.5	77.3	68.0	63.7	72.4	66.8	62.4	71.3
1970	70.8	67.1	74.7	71.7	68.0	75.6	65.3	61.3	69.4	64.1	60.0	68.3
1960	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3	---	---	---
1950	68.2	65.6	71.1	69.1	66.5	72.2	60.8	59.1	62.9	---	---	---
1940	62.9	60.8	65.2	64.2	62.1	66.6	53.1	51.5	54.9	---	---	---

--- Data not available.

**Table 7. Death rates and age-adjusted death rates for the 15 leading causes of death and selected components in 1997: United States, 1979, 1996, and 1997**

[Rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975) and year	Age												Age-adjusted rate <sup>3</sup>
	All ages <sup>1</sup>	Under 1 year <sup>2</sup>	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	
All causes													
1997	864.7	738.7	35.8	20.8	86.2	115.0	203.2	430.8	1,063.6	2,509.8	5,728.2	15,345.2	479.1
1996	872.5	755.7	38.3	21.7	89.6	126.7	221.3	445.9	1,094.1	2,538.4	5,803.1	15,327.2	491.6
1979	852.2	1,332.9	64.2	31.5	114.8	133.0	229.8	589.7	1,338.0	2,929.0	6,496.6	14,962.4	577.0
Diseases of heart (390-398,402,404-429)													
1997	271.6	16.4	1.4	0.8	3.0	8.3	30.1	104.9	302.4	753.7	1,943.6	6,198.9	130.5
1996	276.4	16.6	1.4	0.9	2.7	8.3	30.5	108.2	315.2	776.2	2,010.2	6,314.5	134.5
1979	326.5	20.2	2.1	0.8	2.6	8.4	45.3	184.6	499.0	1,199.8	2,925.2	7,310.9	199.5
Rheumatic fever and rheumatic heart disease (390-398)													
1997	1.9	*	*	*	0.1	0.2	0.5	1.0	2.5	6.1	13.7	26.8	1.0
1996	1.9	*	*	*	0.1	0.2	0.5	1.0	2.6	6.4	14.3	25.3	1.1
1979	3.5	*	*	*	0.2	0.4	1.4	3.9	8.0	16.0	20.6	25.2	2.6
Hypertensive heart disease (402)													
1997	9.9	*	*	*	0.1	0.4	2.2	6.7	13.7	26.1	60.3	214.3	5.2
1996	9.9	*	*	*	0.1	0.5	2.0	6.5	14.2	25.6	62.6	212.8	5.2
1979	9.3	*	*	*	*	0.4	1.9	7.0	16.2	35.7	79.6	170.3	6.0
Hypertensive heart and renal disease (404)													
1997	0.9	*	*	*	*	0.1	0.1	0.2	0.8	2.2	7.1	22.2	0.4
1996	0.9	*	*	*	*	*	0.1	0.3	1.0	2.1	7.2	23.8	0.4
1979	1.6	*	*	*	*	*	0.2	0.4	1.4	5.1	16.8	50.9	0.9
Ischemic heart disease (410-414)													
1997	174.2	0.6	*	*	0.3	2.5	14.6	62.1	192.9	504.4	1,291.5	3,900.5	82.9
1996	179.5	0.6	*	*	0.3	2.6	15.6	65.3	204.1	526.0	1,352.0	4,005.0	86.7
1979	245.5	0.7	*	*	0.3	3.6	30.1	136.1	381.0	926.6	2,224.8	5,376.1	149.7
Acute myocardial infarction (410)													
1997	77.0	*	*	*	0.2	1.3	7.8	34.6	104.6	248.5	574.6	1,407.8	39.7
1996	80.5	*	*	*	0.2	1.4	8.4	36.9	111.4	262.1	608.0	1,465.1	42.0
1979	133.8	*	*	*	0.2	2.4	21.1	94.6	258.9	577.2	1,135.2	1,916.3	88.2
Other acute and subacute forms of ischemic heart disease (411)													
1997	1.1	*	*	*	*	*	0.2	0.9	2.1	3.5	6.2	20.3	0.6
1996	1.1	*	*	*	*	*	0.3	0.8	1.9	3.3	6.3	19.8	0.6
1979	2.1	*	*	*	*	0.1	0.5	2.0	4.8	8.2	15.3	30.2	1.5
Angina pectoris (413)													
1997	0.3	*	*	*	*	*	*	0.1	0.2	0.6	1.9	8.3	0.1
1996	0.3	*	*	*	*	*	*	0.1	0.2	0.8	2.2	8.7	0.1
1979	0.2	*	*	*	*	*	0.1	0.1	0.3	0.9	2.1	4.6	0.1
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)													
1997	95.7	*	*	*	0.1	1.2	6.6	26.6	86.0	251.8	708.9	2,464.1	42.5
1996	97.6	*	*	*	0.1	1.1	6.9	27.6	90.5	259.9	735.6	2,511.4	44.0
1979	109.4	*	*	*	0.1	1.0	8.4	39.3	117.0	340.3	1,072.2	3,424.9	59.9
Other diseases of endocardium (424)													
1997	6.6	*	*	*	0.1	0.3	0.7	1.5	4.0	13.0	50.9	192.4	2.7
1996	6.5	*	*	*	0.1	0.2	0.6	1.4	4.1	13.2	50.4	191.9	2.7
1979	2.9	*	*	*	0.1	0.2	0.6	1.5	4.3	11.6	27.5	47.1	1.8
All other forms of heart disease (415-423,425-429)													
1997	78.2	15.6	1.3	0.7	2.3	4.7	12.0	33.2	88.5	201.9	520.2	1,842.6	38.2
1996	77.8	15.5	1.3	0.8	2.1	4.8	11.6	33.7	89.2	202.8	523.7	1,855.6	38.4
1979	63.7	19.0	2.0	0.7	1.9	3.7	11.0	35.7	88.1	204.8	555.9	1,641.4	38.4
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)													
1997	201.6	2.4	2.9	2.7	4.5	11.6	38.9	135.1	395.7	847.3	1,335.2	1,805.0	125.6
1996	203.4	2.3	2.7	2.7	4.5	12.0	39.3	137.9	406.5	861.6	1,351.5	1,798.3	127.9
1979	179.6	3.4	4.6	4.4	6.1	13.3	48.3	181.4	429.4	800.0	1,207.6	1,522.9	130.8
Malignant neoplasms of lip, oral cavity, and pharynx (140-149)													
1997	2.9	*	*	*	0.1	0.2	0.7	3.2	7.5	12.4	14.4	20.3	2.0
1996	3.0	*	*	*	0.1	0.2	0.7	3.0	8.2	12.1	14.7	20.1	2.1
1979	3.8	*	*	*	0.1	0.2	1.1	5.6	11.8	16.3	18.1	23.7	3.0

See footnotes at end of table.



**Table 7. Death rates and age-adjusted death rates for the 15 leading causes of death and selected components in 1997: United States, 1979, 1996, and 1997 - Con.**

[Rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975) and year	Age												Age-adjusted rate <sup>3</sup>
	All ages <sup>1</sup>	Under 1 year <sup>2</sup>	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	
Malignant neoplasms of digestive organs and peritoneum (150-159)													
1997 .....	47.5	*	0.1	*	0.3	1.6	7.1	29.0	87.8	191.3	330.2	521.0	28.2
1996 .....	47.7	*	*	*	0.3	1.6	7.1	28.2	89.0	195.2	334.8	525.4	28.5
1979 .....	48.6	*	*	0.1	0.3	1.8	8.2	36.3	103.9	221.9	388.7	547.8	33.1
Malignant neoplasms of respiratory and intrathoracic organs (160-165)													
1997 .....	59.2	*	*	*	0.1	0.7	6.5	36.2	139.7	304.4	379.1	308.2	38.7
1996 .....	59.3	*	*	*	0.1	0.8	6.5	38.5	144.3	305.2	375.1	290.9	39.3
1979 .....	45.9	*	*	*	0.1	0.8	9.8	56.0	140.9	231.0	238.1	170.3	35.2
Malignant neoplasm of breast (174-175)													
1997 .....	15.8	*	*	*	*	1.3	7.0	19.4	34.1	52.6	80.8	142.5	10.5
1996 .....	16.4	*	*	*	*	1.3	7.2	19.9	35.6	55.5	85.8	147.8	11.0
1979 .....	15.4	*	*	*	*	1.6	9.1	25.3	41.3	56.6	77.4	114.2	12.2
Malignant neoplasms of genital organs (179-187)													
1997 .....	22.0	*	*	*	0.2	1.3	3.5	10.1	28.7	80.4	175.7	304.0	12.0
1996 .....	22.6	*	*	*	0.2	1.4	3.6	9.8	30.0	84.6	183.9	304.6	12.5
1979 .....	20.2	*	*	*	0.5	1.6	4.7	14.5	35.6	88.3	176.0	252.0	13.6
Malignant neoplasms of urinary organs (188-189)													
1997 .....	8.7	*	*	0.1	*	0.2	1.0	5.0	14.9	34.1	64.6	103.9	5.0
1996 .....	8.7	*	*	0.1	0.1	0.2	1.0	4.8	15.0	34.6	63.9	103.0	5.1
1979 .....	7.8	*	0.2	0.2	0.1	0.2	1.1	5.7	15.1	34.6	65.6	97.0	5.2
Malignant neoplasms of all other and unspecified sites (170-173,190-199)													
1997 .....	24.5	1.1	1.6	1.4	1.8	3.2	7.7	19.8	48.9	92.3	145.3	208.6	16.1
1996 .....	25.0	1.1	1.5	1.4	1.8	3.3	7.9	21.1	50.1	95.5	147.4	212.0	16.6
1979 .....	21.6	1.7	2.2	1.7	2.3	3.7	8.6	24.0	49.8	86.4	130.2	175.8	16.4
Leukemia (204-208)													
1997 .....	7.6	0.8	0.9	0.9	1.2	1.3	1.9	4.2	11.1	27.3	51.2	79.7	4.7
1996 .....	7.7	0.8	1.0	0.9	1.2	1.4	1.9	4.3	11.1	27.7	52.8	80.6	4.8
1979 .....	7.1	1.0	1.7	1.9	1.7	1.7	2.7	5.5	11.3	25.4	50.3	76.1	5.3
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)													
1997 .....	13.3	*	*	0.2	0.7	1.8	3.3	8.3	23.0	52.4	93.9	116.8	8.2
1996 .....	13.0	*	*	0.2	0.7	1.8	3.4	8.2	23.0	51.3	93.2	113.8	8.2
1979 .....	9.1	*	0.3	0.4	0.9	1.8	3.0	8.6	19.5	39.5	63.1	66.0	6.7
Cerebrovascular diseases (430-438)													
1997 .....	59.7	7.0	0.4	0.2	0.5	1.7	6.3	16.9	44.4	134.8	462.0	1,584.6	25.9
1996 .....	60.3	6.2	0.3	0.2	0.5	1.8	6.3	17.9	45.3	135.5	477.0	1,612.7	26.4
1979 .....	75.5	4.6	0.3	0.3	0.9	2.6	9.1	26.4	68.1	226.9	793.8	2,264.9	41.6
Chronic obstructive pulmonary diseases and allied conditions (490-496)													
1997 .....	40.7	1.3	0.3	0.3	0.5	0.9	2.0	8.4	46.3	165.3	359.6	561.9	21.1
1996 .....	40.0	1.0	0.3	0.4	0.7	0.9	2.0	8.7	47.0	161.6	358.3	540.9	21.0
1979 .....	22.2	1.9	0.5	0.2	0.3	0.5	1.7	9.3	40.2	117.0	200.6	230.2	14.6
Accidents and adverse effects (E800-E949)													
1997 .....	35.7	20.1	13.1	8.7	36.5	31.8	33.0	31.0	32.6	46.4	103.4	276.5	30.1
1996 .....	35.8	21.3	13.8	8.9	38.1	31.8	32.9	30.4	32.2	47.0	102.0	276.2	30.4
1979 .....	46.9	31.5	26.5	16.1	62.6	45.7	38.4	39.4	43.5	58.8	117.8	276.0	42.9
Motor vehicle accidents (E810-E825)													
1997 .....	16.2	4.3	5.0	5.1	27.9	18.9	15.2	14.3	15.3	18.2	29.0	32.7	15.9
1996 .....	16.5	5.7	5.3	5.2	29.2	19.1	15.6	14.1	15.0	18.3	28.3	30.1	16.2
1979 .....	23.8	6.5	9.8	8.3	45.6	28.8	21.0	18.6	18.2	20.7	28.7	24.4	23.2
All other accidents and adverse effects (E800-E807,E826-E949)													
1997 .....	19.5	15.8	8.1	3.6	8.6	12.9	17.9	16.7	17.3	28.2	74.4	243.8	14.2
1996 .....	19.3	15.6	8.6	3.8	8.9	12.6	17.3	16.4	17.2	28.7	73.7	246.1	14.2
1979 .....	23.1	25.0	16.7	7.7	17.0	16.9	17.4	20.8	25.2	38.1	89.2	251.6	19.6

See footnotes at end of table.

**Table 7. Death rates and age-adjusted death rates for the 15 leading causes of death and selected components in 1997: United States, 1979, 1996, and 1997 - Con.**

[Rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975) and year	Age												Age-adjusted rate <sup>3</sup>
	All ages <sup>1</sup>	Under 1 year <sup>2</sup>	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	
<b>Pneumonia and influenza (480-487)</b>													
1997 .....	32.3	11.1	1.2	0.4	0.6	1.3	3.2	6.6	17.2	57.0	233.7	1,024.7	12.9
1996 .....	31.6	13.2	1.1	0.4	0.6	1.4	3.4	6.5	16.9	56.8	230.6	1,010.9	12.8
1979 .....	20.1	33.0	2.0	0.6	0.8	1.5	3.2	7.1	16.4	47.8	184.2	694.9	11.2
<b>Diabetes mellitus (250)</b>													
1997 .....	23.4	*	*	0.1	0.4	1.6	4.2	12.9	38.4	88.2	167.4	294.1	13.5
1996 .....	23.3	*	*	0.1	0.4	1.6	4.3	13.2	39.5	88.7	166.1	288.0	13.6
1979 .....	14.8	*	0.1	0.1	0.4	1.4	3.6	9.0	25.8	61.3	130.3	211.6	9.8
<b>Suicide (E950-E959)</b>													
1997 .....	11.4	...	...	0.8	11.4	14.3	15.3	14.7	13.5	14.4	19.3	20.8	10.6
1996 .....	11.6	...	...	0.8	12.0	14.5	15.5	14.9	13.7	15.0	20.0	20.2	10.8
1979 .....	12.1	...	...	0.4	12.4	16.3	15.4	16.5	16.6	17.8	20.8	17.9	11.7
<b>Nephritis, nephrotic syndrome, and nephrosis (580-589)</b>													
1997 .....	9.5	3.6	*	*	0.1	0.5	1.0	2.6	8.4	25.6	73.6	218.0	4.4
1996 .....	9.2	3.8	*	0.1	0.2	0.4	1.1	2.7	7.9	24.8	73.1	209.6	4.3
1979 .....	7.0	6.4	0.2	0.2	0.3	0.7	1.5	3.7	8.5	23.7	64.7	155.2	4.3
<b>Chronic liver disease and cirrhosis (571)</b>													
1997 .....	9.4	*	*	*	0.1	1.3	8.0	16.7	24.1	31.4	30.2	22.8	7.4
1996 .....	9.4	*	*	*	0.1	1.4	8.4	16.8	24.9	30.7	30.7	21.4	7.5
1979 .....	13.2	1.0	*	*	0.2	3.4	13.9	31.0	40.9	41.8	28.3	18.1	12.0
<b>Alzheimer's disease (331.0)</b>													
1997 .....	8.4	*	*	*	*	*	*	0.1	1.2	10.8	73.3	299.2	2.7
1996 .....	8.1	*	*	*	*	*	*	0.1	1.3	11.0	72.8	284.7	2.7
1979 .....	0.4	*	*	*	*	*	*	0.1	0.8	2.1	3.0	4.3	0.2
<b>Septicemia (038)</b>													
1997 .....	8.4	5.2	0.5	0.1	0.2	0.6	1.4	3.5	8.5	22.6	60.0	177.6	4.2
1996 .....	8.1	5.3	0.5	0.1	0.2	0.7	1.4	3.2	8.2	21.7	59.3	172.7	4.1
1979 .....	3.6	7.6	0.5	0.1	0.2	0.4	0.8	2.2	4.9	12.4	29.7	70.3	2.3
<b>Homicide and legal intervention (E960-E978)</b>													
1997 .....	7.4	8.3	2.4	1.2	16.8	12.8	8.4	5.6	3.9	2.9	2.9	3.8	8.0
1996 .....	7.9	8.8	2.7	1.3	18.1	13.4	9.0	5.9	4.1	3.0	2.9	3.0	8.5
1979 .....	10.0	5.0	2.5	1.1	14.5	18.2	14.3	10.8	7.0	5.4	4.8	5.0	10.2
<b>Human immunodeficiency virus infection (*042-*044)</b>													
1997 .....	6.2	*	0.4	0.3	0.8	10.1	16.1	10.4	4.9	1.8	0.6	*	5.8
1996 .....	11.7	1.1	0.9	0.5	1.1	19.9	31.4	19.3	8.4	2.7	0.8	*	11.1
1979 .....	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Atherosclerosis (440)</b>													
1997 .....	6.0	*	*	*	*	*	0.1	0.6	2.4	9.8	40.5	225.5	2.1
1996 .....	6.3	*	*	*	*	*	0.1	0.6	2.7	10.1	43.0	241.7	2.2
1979 .....	12.8	*	*	*	*	*	0.1	0.9	4.8	24.4	125.3	649.1	5.7

\* Figure does not meet standards of reliability or precision, see Technical notes.  
 ... Category not applicable.  
 - - - Data not available.  
 1 Figures for age not stated included in "All ages" but not distributed among age groups.  
 2 Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see Technical notes.  
 3 For method of computation, see Technical notes.

**Table 8. Deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1997**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
All races <sup>3</sup> , both sexes, all ages <sup>4</sup>				All races <sup>3</sup> , both sexes, 15-24 years			
...	All causes .....	2,314,245	864.7	...	All causes .....	31,544	86.2
1	Diseases of heart (390-398,402,404-429) .....	726,974	271.6	1	Accidents and adverse effects (E800-E949) .....	13,367	36.5
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	539,577	201.6	...	Motor vehicle accidents (E810-E825) .....	10,208	27.9
3	Cerebrovascular diseases (430-438) .....	159,791	59.7	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	3,159	8.6
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	109,029	40.7	2	Homicide and legal intervention (E960-E978) .....	6,146	16.8
5	Accidents and adverse effects (E800-E949) .....	95,644	35.7	3	Suicide (E950-E959) .....	4,186	11.4
...	Motor vehicle accidents (E810-E825) .....	43,458	16.2	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	1,645	4.5
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	52,186	19.5	5	Diseases of heart (390-398,402,404-429) .....	1,098	3.0
6	Pneumonia and influenza (480-487) .....	86,449	32.3	6	Congenital anomalies (740-759) .....	420	1.1
7	Diabetes mellitus (250) .....	62,636	23.4	7	Human immunodeficiency virus infection (*042-*044) .....	276	0.8
8	Suicide (E950-E959) .....	30,535	11.4	8	Pneumonia and influenza (480-487) .....	220	0.6
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	25,331	9.5	9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	201	0.5
10	Chronic liver disease and cirrhosis (571) .....	25,175	9.4	10	Cerebrovascular diseases (430-438) .....	188	0.5
...	All other causes (Residual) .....	453,104	169.3	...	All other causes (Residual) .....	3,797	10.4
All races <sup>3</sup> , both sexes, 1-4 years				All races <sup>3</sup> , both sexes, 25-44 years			
...	All causes .....	5,501	35.8	...	All causes .....	134,946	161.4
1	Accidents and adverse effects (E800-E949) .....	2,005	13.1	1	Accidents and adverse effects (E800-E949) .....	27,129	32.4
...	Motor vehicle accidents (E810-E825) .....	768	5.0	...	Motor vehicle accidents (E810-E825) .....	14,167	16.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,237	8.1	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	12,962	15.5
2	Congenital anomalies (740-759) .....	589	3.8	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	21,706	26.0
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	438	2.9	3	Diseases of heart (390-398,402,404-429) .....	16,513	19.8
4	Homicide and legal intervention (E960-E978) .....	375	2.4	4	Suicide (E950-E959) .....	12,402	14.8
5	Diseases of heart (390-398,402,404-429) .....	212	1.4	5	Human immunodeficiency virus infection (*042-*044) .....	11,066	13.2
6	Pneumonia and influenza (480-487) .....	180	1.2	6	Homicide and legal intervention (E960-E978) .....	8,752	10.5
7	Certain conditions originating in the perinatal period (760-779) .....	75	0.5	7	Chronic liver disease and cirrhosis (571) .....	4,024	4.8
8	Septicemia (038) .....	73	0.5	8	Cerebrovascular diseases (430-438) .....	3,465	4.1
9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	65	0.4	9	Diabetes mellitus (250) .....	2,478	3.0
10	Cerebrovascular diseases (430-438) .....	56	0.4	10	Pneumonia and influenza (480-487) .....	1,928	2.3
...	All other causes (Residual) .....	1,433	9.3	...	All other causes (Residual) .....	25,483	30.5
All races <sup>3</sup> , both sexes, 5-14 years				All races <sup>3</sup> , both sexes, 45-64 years			
...	All causes .....	8,061	20.8	...	All causes .....	376,875	679.7
1	Accidents and adverse effects (E800-E949) .....	3,371	8.7	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	131,743	237.6
...	Motor vehicle accidents (E810-E825) .....	1,967	5.1	2	Diseases of heart (390-398,402,404-429) .....	101,235	182.6
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,404	3.6	3	Accidents and adverse effects (E800-E949) .....	17,521	31.6
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	1,030	2.7	...	Motor vehicle accidents (E810-E825) .....	8,134	14.7
3	Homicide and legal intervention (E960-E978) .....	457	1.2	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	9,387	16.9
4	Congenital anomalies (740-759) .....	447	1.2	4	Cerebrovascular diseases (430-438) .....	15,371	27.7
5	Diseases of heart (390-398,402,404-429) .....	313	0.8	5	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	12,947	23.4
6	Suicide (E950-E959) .....	307	0.8	6	Diabetes mellitus (250) .....	12,705	22.9
7	Pneumonia and influenza (480-487) .....	141	0.4	7	Chronic liver disease and cirrhosis (571) .....	10,875	19.6
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	129	0.3	8	Suicide (E950-E959) .....	7,894	14.2
9	Human immunodeficiency virus infection (*042-*044) .....	102	0.3	9	Pneumonia and influenza (480-487) .....	5,992	10.8
10	Cerebrovascular diseases (430-438) .....	76	0.2	10	Human immunodeficiency virus infection (*042-*044) .....	4,578	8.3
10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	76	0.2	...	All other causes (Residual) .....	56,014	101.0
...	All other causes (Residual) .....	1,612	4.2				

See footnotes at end of table.

**Table 8. Deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
All races <sup>3</sup> , both sexes, 65 years and over				All races <sup>3</sup> , male, 5-14 years			
...	All causes .....	1,728,872	5,073.6	...	All causes .....	4,763	24.0
1	Diseases of heart (390-398,402,404-429) .....	606,913	1,781.1	1	Accidents and adverse effects (E800-E949) .....	2,110	10.6
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	382,913	1,123.7	...	Motor vehicle accidents (E810-E825) .....	1,154	5.8
3	Cerebrovascular diseases (430-438) .....	140,366	411.9	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	956	4.8
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	94,411	277.1	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	560	2.8
5	Pneumonia and influenza (480-487) .....	77,561	227.6	3	Homicide and legal intervention (E960-E978) .....	295	1.5
6	Diabetes mellitus (250) .....	47,289	138.8	4	Suicide (E950-E959) .....	233	1.2
7	Accidents and adverse effects (E800-E949) .....	31,386	92.1	5	Congenital anomalies (740-759) .....	232	1.2
...	Motor vehicle accidents (E810-E825) .....	8,027	23.6	6	Diseases of heart (390-398,402,404-429) .....	180	0.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	23,359	68.6	7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	71	0.4
8	Alzheimer's disease (331.0) .....	22,154	65.0	7	Pneumonia and influenza (480-487) .....	71	0.4
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	21,787	63.9	9	Human immunodeficiency virus infection (*042-*044) .....	63	0.3
10	Septicemia (038) .....	18,079	53.1	10	Cerebrovascular diseases (430-438) .....	44	0.2
...	All other causes (Residual) .....	286,013	839.3	...	All other causes (Residual) .....	904	4.6
All races <sup>3</sup> , male, all ages <sup>4</sup>				All races <sup>3</sup> , male, 15-24 years			
...	All causes .....	1,154,039	880.8	...	All causes .....	23,312	124.0
1	Diseases of heart (390-398,402,404-429) .....	356,598	272.2	1	Accidents and adverse effects (E800-E949) .....	9,791	52.1
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	281,110	214.6	...	Motor vehicle accidents (E810-E825) .....	7,167	38.1
3	Cerebrovascular diseases (430-438) .....	62,564	47.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,624	14.0
4	Accidents and adverse effects (E800-E949) .....	61,963	47.3	2	Homicide and legal intervention (E960-E978) .....	5,302	28.2
...	Motor vehicle accidents (E810-E825) .....	28,770	22.0	3	Suicide (E950-E959) .....	3,559	18.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	33,193	25.3	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	981	5.2
5	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	55,984	42.7	5	Diseases of heart (390-398,402,404-429) .....	674	3.6
6	Pneumonia and influenza (480-487) .....	39,284	30.0	6	Congenital anomalies (740-759) .....	241	1.3
7	Diabetes mellitus (250) .....	28,187	21.5	7	Human immunodeficiency virus infection (*042-*044) .....	145	0.8
8	Suicide (E950-E959) .....	24,492	18.7	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	135	0.7
9	Chronic liver disease and cirrhosis (571) .....	16,260	12.4	9	Pneumonia and influenza (480-487) .....	119	0.6
10	Homicide and legal intervention (E960-E978) .....	15,449	11.8	10	Cerebrovascular diseases (430-438) .....	106	0.6
...	All other causes (Residual) .....	212,148	161.9	...	All other causes (Residual) .....	2,259	12.0
All races <sup>3</sup> , male, 1-4 years				All races <sup>3</sup> , male, 25-44 years			
...	All causes .....	3,121	39.7	...	All causes .....	89,848	215.5
1	Accidents and adverse effects (E800-E949) .....	1,192	15.2	1	Accidents and adverse effects (E800-E949) .....	20,412	49.0
...	Motor vehicle accidents (E810-E825) .....	419	5.3	...	Motor vehicle accidents (E810-E825) .....	10,089	24.2
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	773	9.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	10,323	24.8
2	Congenital anomalies (740-759) .....	317	4.0	2	Diseases of heart (390-398,402,404-429) .....	11,714	28.1
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	240	3.1	3	Suicide (E950-E959) .....	9,907	23.8
4	Homicide and legal intervention (E960-E978) .....	209	2.7	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	9,841	23.6
5	Diseases of heart (390-398,402,404-429) .....	119	1.5	5	Human immunodeficiency virus infection (*042-*044) .....	8,569	20.6
6	Pneumonia and influenza (480-487) .....	89	1.1	6	Homicide and legal intervention (E960-E978) .....	6,803	16.3
7	Certain conditions originating in the perinatal period (760-779) .....	46	0.6	7	Chronic liver disease and cirrhosis (571) .....	2,800	6.7
8	Septicemia (038) .....	38	0.5	8	Cerebrovascular diseases (430-438) .....	1,754	4.2
9	Cerebrovascular diseases (430-438) .....	36	0.5	9	Diabetes mellitus (250) .....	1,483	3.6
10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	32	0.4	10	Pneumonia and influenza (480-487) .....	1,164	2.8
...	All other causes (Residual) .....	803	10.2	...	All other causes (Residual) .....	15,401	36.9

See footnotes at end of table.

**Table 8. Deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
All races <sup>3</sup> , male, 45-64 years				All races <sup>3</sup> , female, 1-4 years			
...	All causes .....	229,463	854.7	...	All causes .....	2,380	31.8
1	Diseases of heart (390-398,402,404-429) .....	71,112	264.9	1	Accidents and adverse effects (E800-E949) .....	813	10.8
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	69,819	260.1	...	Motor vehicle accidents (E810-E825) .....	349	4.7
3	Accidents and adverse effects (E800-E949) .....	12,411	46.2	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	464	6.2
...	Motor vehicle accidents (E810-E825) .....	5,375	20.0	2	Congenital anomalies (740-759) .....	272	3.6
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	7,036	26.2	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	198	2.6
4	Cerebrovascular diseases (430-438) .....	8,502	31.7	4	Homicide and legal intervention (E960-E978) .....	166	2.2
5	Chronic liver disease and cirrhosis (571) .....	7,852	29.2	5	Diseases of heart (390-398,402,404-429) .....	93	1.2
6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	6,690	24.9	6	Pneumonia and influenza (480-487) .....	91	1.2
7	Diabetes mellitus (250) .....	6,655	24.8	7	Septicemia (038) .....	35	0.5
8	Suicide (E950-E959) .....	6,028	22.5	8	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	33	0.4
9	Human immunodeficiency virus infection (*042-*044) .....	3,744	13.9	9	Certain conditions originating in the perinatal period (760-779) .....	29	0.4
10	Pneumonia and influenza (480-487) .....	3,569	13.3	9	Human immunodeficiency virus infection (*042-*044) .....	29	0.4
...	All other causes (Residual) .....	33,081	123.2	...	All other causes (Residual) .....	621	8.3
All races <sup>3</sup> , male, 65 years and over				All races <sup>3</sup> , female, 5-14 years			
...	All causes .....	787,427	5,620.6	...	All causes .....	3,298	17.4
1	Diseases of heart (390-398,402,404-429) .....	272,401	1,944.4	1	Accidents and adverse effects (E800-E949) .....	1,261	6.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	199,617	1,424.9	...	Motor vehicle accidents (E810-E825) .....	813	4.3
3	Cerebrovascular diseases (430-438) .....	51,972	371.0	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	448	2.4
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	48,419	345.6	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	470	2.5
5	Pneumonia and influenza (480-487) .....	34,011	242.8	3	Congenital anomalies (740-759) .....	215	1.1
6	Diabetes mellitus (250) .....	19,966	142.5	4	Homicide and legal intervention (E960-E978) .....	162	0.9
7	Accidents and adverse effects (E800-E949) .....	15,526	110.8	5	Diseases of heart (390-398,402,404-429) .....	133	0.7
...	Motor vehicle accidents (E810-E825) .....	4,464	31.9	6	Suicide (E950-E959) .....	74	0.4
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	11,062	79.0	7	Pneumonia and influenza (480-487) .....	70	0.4
8	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	10,156	72.5	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	58	0.3
9	Septicemia (038) .....	7,372	52.6	9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	46	0.2
10	Alzheimer's disease (331.0) .....	6,885	49.1	10	Human immunodeficiency virus infection (*042-*044) .....	39	0.2
...	All other causes (Residual) .....	121,102	864.4	...	All other causes (Residual) .....	770	4.1
All races <sup>3</sup> , female, all ages <sup>4</sup>				All races <sup>3</sup> , female, 15-24 years			
...	All causes .....	1,160,206	849.2	...	All causes .....	8,232	46.3
1	Diseases of heart (390-398,402,404-429) .....	370,376	271.1	1	Accidents and adverse effects (E800-E949) .....	3,576	20.1
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	258,467	189.2	...	Motor vehicle accidents (E810-E825) .....	3,041	17.1
3	Cerebrovascular diseases (430-438) .....	97,227	71.2	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	535	3.0
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	53,045	38.8	2	Homicide and legal intervention (E960-E978) .....	844	4.7
5	Pneumonia and influenza (480-487) .....	47,165	34.5	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	664	3.7
6	Diabetes mellitus (250) .....	34,449	25.2	4	Suicide (E950-E959) .....	627	3.5
7	Accidents and adverse effects (E800-E949) .....	33,681	24.7	5	Diseases of heart (390-398,402,404-429) .....	424	2.4
...	Motor vehicle accidents (E810-E825) .....	14,688	10.8	6	Congenital anomalies (740-759) .....	179	1.0
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	18,993	13.9	7	Human immunodeficiency virus infection (*042-*044) .....	131	0.7
8	Alzheimer's disease (331.0) .....	15,437	11.3	8	Pneumonia and influenza (480-487) .....	101	0.6
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	13,191	9.7	9	Complications of pregnancy, childbirth, and the puerperium (630-676) .....	87	0.5
10	Septicemia (038) .....	12,741	9.3	10	Cerebrovascular diseases (430-438) .....	82	0.5
...	All other causes (Residual) .....	224,427	164.3	...	All other causes (Residual) .....	1,517	8.5

See footnotes at end of table.

**Table 8. Deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
All races <sup>3</sup> , female, 25-44 years				White, both sexes, all ages <sup>4</sup>			
...	All causes .....	45,098	107.6	...	All causes .....	1,996,393	902.0
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	11,865	28.3	1	Diseases of heart (390-398,402,404-429) .....	639,225	288.8
2	Accidents and adverse effects (E800-E949) .....	6,717	16.0	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	468,521	211.7
...	Motor vehicle accidents (E810-E825) .....	4,078	9.7	3	Cerebrovascular diseases (430-438) .....	138,324	62.5
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,639	6.3	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	100,770	45.5
3	Diseases of heart (390-398,402,404-429) .....	4,799	11.4	5	Accidents and adverse effects (E800-E949) .....	79,922	36.1
4	Human immunodeficiency virus infection (*042-*044) .....	2,497	6.0	...	Motor vehicle accidents (E810-E825) .....	36,094	16.3
5	Suicide (E950-E959) .....	2,495	6.0	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	43,828	19.8
6	Homicide and legal intervention (E960-E978) .....	1,949	4.6	6	Pneumonia and influenza (480-487) .....	76,875	34.7
7	Cerebrovascular diseases (430-438) .....	1,711	4.1	7	Diabetes mellitus (250) .....	49,850	22.5
8	Chronic liver disease and cirrhosis (571) .....	1,224	2.9	8	Suicide (E950-E959) .....	27,513	12.4
9	Diabetes mellitus (250) .....	995	2.4	9	Chronic liver disease and cirrhosis (571) .....	21,683	9.8
10	Pneumonia and influenza (480-487) .....	764	1.8	10	Alzheimer's disease (331.0) .....	21,192	9.6
...	All other causes (Residual) .....	10,082	24.1	...	All other causes (Residual) .....	372,518	168.3
All races <sup>3</sup> , female, 45-64 years				White, both sexes, 1-4 years			
...	All causes .....	147,412	515.5	...	All causes .....	3,849	31.6
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	61,924	216.5	1	Accidents and adverse effects (E800-E949) .....	1,438	11.8
2	Diseases of heart (390-398,402,404-429) .....	30,123	105.3	...	Motor vehicle accidents (E810-E825) .....	544	4.5
3	Cerebrovascular diseases (430-438) .....	6,869	24.0	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	894	7.3
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	6,257	21.9	2	Congenital anomalies (740-759) .....	439	3.6
5	Diabetes mellitus (250) .....	6,050	21.2	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	340	2.8
6	Accidents and adverse effects (E800-E949) .....	5,110	17.9	4	Homicide and legal intervention (E960-E978) .....	212	1.7
...	Motor vehicle accidents (E810-E825) .....	2,759	9.6	5	Diseases of heart (390-398,402,404-429) .....	140	1.2
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,351	8.2	6	Pneumonia and influenza (480-487) .....	120	1.0
7	Chronic liver disease and cirrhosis (571) .....	3,023	10.6	7	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	56	0.5
8	Pneumonia and influenza (480-487) .....	2,423	8.5	8	Septicemia (038) .....	48	0.4
9	Suicide (E950-E959) .....	1,866	6.5	9	Certain conditions originating in the perinatal period (760-779) .....	40	0.3
10	Septicemia (038) .....	1,429	5.0	10	Cerebrovascular diseases (430-438) .....	36	0.3
...	All other causes (Residual) .....	22,338	78.1	...	All other causes (Residual) .....	980	8.1
All races <sup>3</sup> , female, 65 years and over				White, both sexes, 5-14 years			
...	All causes .....	941,445	4,691.7	...	All causes .....	5,806	18.9
1	Diseases of heart (390-398,402,404-429) .....	334,512	1,667.1	1	Accidents and adverse effects (E800-E949) .....	2,449	8.0
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	183,296	913.5	...	Motor vehicle accidents (E810-E825) .....	1,510	4.9
3	Cerebrovascular diseases (430-438) .....	88,394	440.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	939	3.1
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	45,992	229.2	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	831	2.7
5	Pneumonia and influenza (480-487) .....	43,550	217.0	3	Congenital anomalies (740-759) .....	336	1.1
6	Diabetes mellitus (250) .....	27,323	136.2	4	Suicide (E950-E959) .....	255	0.8
7	Accidents and adverse effects (E800-E949) .....	15,860	79.0	5	Homicide and legal intervention (E960-E978) .....	247	0.8
...	Motor vehicle accidents (E810-E825) .....	3,563	17.8	6	Diseases of heart (390-398,402,404-429) .....	221	0.7
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	12,297	61.3	7	Pneumonia and influenza (480-487) .....	105	0.3
8	Alzheimer's disease (331.0) .....	15,269	76.1	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	60	0.2
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	11,631	58.0	9	Cerebrovascular diseases (430-438) .....	54	0.2
10	Septicemia (038) .....	10,707	53.4	10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	51	0.2
...	All other causes (Residual) .....	164,911	821.8	...	All other causes (Residual) .....	1,197	3.9

See footnotes at end of table.

**Table 8. Deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
White, both sexes, 15-24 years				White, both sexes, 65 years and over			
...	All causes .....	22,567	77.5	...	All causes .....	1,548,665	5,093.3
1	Accidents and adverse effects (E800-E949) .....	11,155	38.3	1	Diseases of heart (390-398,402,404-429) .....	545,803	1,795.1
...	Motor vehicle accidents (E810-E825) .....	8,591	29.5	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	340,123	1,118.6
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,564	8.8	3	Cerebrovascular diseases (430-438) .....	125,058	411.3
2	Suicide (E950-E959) .....	3,456	11.9	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	88,470	291.0
3	Homicide and legal intervention (E960-E978) .....	2,428	8.3	5	Pneumonia and influenza (480-487) .....	70,418	231.6
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	1,283	4.4	6	Diabetes mellitus (250) .....	38,910	128.0
5	Diseases of heart (390-398,402,404-429) .....	718	2.5	7	Accidents and adverse effects (E800-E949) .....	28,306	93.1
6	Congenital anomalies (740-759) .....	307	1.1	...	Motor vehicle accidents (E810-E825) .....	7,188	23.6
7	Pneumonia and influenza (480-487) .....	154	0.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	21,118	69.5
8	Cerebrovascular diseases (430-438) .....	136	0.5	8	Alzheimer's disease (331.0) .....	20,897	68.7
9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	125	0.4	9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	18,400	60.5
10	Human immunodeficiency virus infection (*042-*044) .....	102	0.4	10	Septicemia (038) .....	14,987	49.3
...	All other causes (Residual) .....	2,703	9.3	...	All other causes (Residual) .....	257,293	846.2
White, both sexes, 25-44 years				White, male, all ages <sup>4</sup>			
...	All causes .....	97,415	142.0	...	All causes .....	986,884	906.3
1	Accidents and adverse effects (E800-E949) .....	21,800	31.8	1	Diseases of heart (390-398,402,404-429) .....	313,316	287.7
...	Motor vehicle accidents (E810-E825) .....	11,394	16.6	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	243,192	223.3
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	10,406	15.2	3	Cerebrovascular diseases (430-438) .....	53,158	48.8
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	16,900	24.6	4	Accidents and adverse effects (E800-E949) .....	51,396	47.2
3	Diseases of heart (390-398,402,404-429) .....	11,768	17.2	...	Motor vehicle accidents (E810-E825) .....	23,834	21.9
4	Suicide (E950-E959) .....	10,996	16.0	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	27,562	25.3
5	Human immunodeficiency virus infection (*042-*044) .....	5,371	7.8	5	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	51,184	47.0
6	Homicide and legal intervention (E960-E978) .....	4,338	6.3	6	Pneumonia and influenza (480-487) .....	34,386	31.6
7	Chronic liver disease and cirrhosis (571) .....	3,273	4.8	7	Diabetes mellitus (250) .....	22,968	21.1
8	Cerebrovascular diseases (430-438) .....	2,194	3.2	8	Suicide (E950-E959) .....	22,042	20.2
9	Diabetes mellitus (250) .....	1,740	2.5	9	Chronic liver disease and cirrhosis (571) .....	14,045	12.9
10	Pneumonia and influenza (480-487) .....	1,295	1.9	10	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	10,002	9.2
...	All other causes (Residual) .....	17,740	25.9	...	All other causes (Residual) .....	171,195	157.2
White, both sexes, 45-64 years				White, male, 1-4 years			
...	All causes .....	299,251	631.5	...	All causes .....	2,193	35.1
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	108,972	230.0	1	Accidents and adverse effects (E800-E949) .....	866	13.9
2	Diseases of heart (390-398,402,404-429) .....	80,087	169.0	...	Motor vehicle accidents (E810-E825) .....	295	4.7
3	Accidents and adverse effects (E800-E949) .....	14,175	29.9	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	571	9.2
...	Motor vehicle accidents (E810-E825) .....	6,729	14.2	2	Congenital anomalies (740-759) .....	237	3.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	7,446	15.7	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	188	3.0
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	11,271	23.8	4	Homicide and legal intervention (E960-E978) .....	119	1.9
5	Cerebrovascular diseases (430-438) .....	10,663	22.5	5	Diseases of heart (390-398,402,404-429) .....	71	1.1
6	Diabetes mellitus (250) .....	9,091	19.2	6	Pneumonia and influenza (480-487) .....	56	0.9
7	Chronic liver disease and cirrhosis (571) .....	8,981	19.0	7	Septicemia (038) .....	28	0.4
8	Suicide (E950-E959) .....	7,354	15.5	8	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	27	0.4
9	Pneumonia and influenza (480-487) .....	4,517	9.5	9	Certain conditions originating in the perinatal period (760-779) .....	22	0.4
10	Human immunodeficiency virus infection (*042-*044) .....	2,124	4.5	10	Cerebrovascular diseases (430-438) .....	21	0.3
...	All other causes (Residual) .....	42,016	88.7	...	All other causes (Residual) .....	558	8.9

See footnotes at end of table.

**Table 8. Deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
White, male, 5-14 years				White, male, 45-64 years			
...	All causes .....	3,479	22.1	...	All causes .....	183,503	790.8
1	Accidents and adverse effects (E800-E949) .....	1,557	9.9	1	Diseases of heart (390-398,402,404-429) .....	57,788	249.0
...	Motor vehicle accidents (E810-E825) .....	897	5.7	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	57,383	247.3
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	660	4.2	3	Accidents and adverse effects (E800-E949) .....	10,051	43.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	449	2.9	...	Motor vehicle accidents (E810-E825) .....	4,454	19.2
3	Suicide (E950-E959) .....	194	1.2	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	5,597	24.1
4	Congenital anomalies (740-759) .....	179	1.1	4	Chronic liver disease and cirrhosis (571) .....	6,548	28.2
5	Homicide and legal intervention (E960-E978) .....	157	1.0	5	Cerebrovascular diseases (430-438) .....	5,895	25.4
6	Diseases of heart (390-398,402,404-429) .....	135	0.9	6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	5,786	24.9
7	Pneumonia and influenza (480-487) .....	54	0.3	7	Suicide (E950-E959) .....	5,621	24.2
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	34	0.2	8	Diabetes mellitus (250) .....	4,942	21.3
9	Cerebrovascular diseases (430-438) .....	31	0.2	9	Pneumonia and influenza (480-487) .....	2,645	11.4
10	Human immunodeficiency virus infection (*042-*044) .....	25	0.2	10	Human immunodeficiency virus infection (*042-*044) .....	1,865	8.0
...	All other causes (Residual) .....	664	4.2	...	All other causes (Residual) .....	24,979	107.6
White, male, 15-24 years				White, male, 65 years and over			
...	All causes .....	16,414	109.0	...	All causes .....	704,603	5,614.1
1	Accidents and adverse effects (E800-E949) .....	8,134	54.0	1	Diseases of heart (390-398,402,404-429) .....	245,877	1,959.1
...	Motor vehicle accidents (E810-E825) .....	5,997	39.8	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	176,625	1,407.3
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,137	14.2	3	Cerebrovascular diseases (430-438) .....	45,877	365.5
2	Suicide (E950-E959) .....	2,941	19.5	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	44,865	357.5
3	Homicide and legal intervention (E960-E978) .....	1,984	13.2	5	Pneumonia and influenza (480-487) .....	30,586	243.7
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	774	5.1	6	Diabetes mellitus (250) .....	16,921	134.8
5	Diseases of heart (390-398,402,404-429) .....	446	3.0	7	Accidents and adverse effects (E800-E949) .....	13,908	110.8
6	Congenital anomalies (740-759) .....	175	1.2	...	Motor vehicle accidents (E810-E825) .....	3,985	31.8
7	Pneumonia and influenza (480-487) .....	86	0.6	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	9,923	79.1
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	84	0.6	8	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	8,734	69.6
9	Cerebrovascular diseases (430-438) .....	77	0.5	9	Alzheimer's disease (331.0) .....	6,436	51.3
10	Human immunodeficiency virus infection (*042-*044) .....	68	0.5	10	Septicemia (038) .....	6,100	48.6
...	All other causes (Residual) .....	1,645	10.9	...	All other causes (Residual) .....	108,674	865.9
White, male, 25-44 years				White, female, all ages <sup>4</sup>			
...	All causes .....	65,940	190.8	...	All causes .....	1,009,509	897.8
1	Accidents and adverse effects (E800-E949) .....	16,515	47.8	1	Diseases of heart (390-398,402,404-429) .....	325,909	289.8
...	Motor vehicle accidents (E810-E825) .....	8,132	23.5	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	225,329	200.4
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	8,383	24.3	3	Cerebrovascular diseases (430-438) .....	85,166	75.7
2	Suicide (E950-E959) .....	8,746	25.3	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	49,586	44.1
3	Diseases of heart (390-398,402,404-429) .....	8,708	25.2	5	Pneumonia and influenza (480-487) .....	42,489	37.8
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	7,739	22.4	6	Accidents and adverse effects (E800-E949) .....	28,526	25.4
5	Human immunodeficiency virus infection (*042-*044) .....	4,559	13.2	...	Motor vehicle accidents (E810-E825) .....	12,260	10.9
6	Homicide and legal intervention (E960-E978) .....	3,274	9.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	16,266	14.5
7	Chronic liver disease and cirrhosis (571) .....	2,345	6.8	7	Diabetes mellitus (250) .....	26,882	23.9
8	Cerebrovascular diseases (430-438) .....	1,156	3.3	8	Alzheimer's disease (331.0) .....	14,613	13.0
9	Diabetes mellitus (250) .....	1,051	3.0	9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	10,676	9.5
10	Pneumonia and influenza (480-487) .....	789	2.3	10	Septicemia (038) .....	10,199	9.1
...	All other causes (Residual) .....	11,058	32.0	...	All other causes (Residual) .....	190,134	169.1

See footnotes at end of table.



**Table 8. Deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
White, female, 1-4 years				White, female, 25-44 years			
...	All causes .....	1,656	28.0	...	All causes .....	31,475	92.5
1	Accidents and adverse effects (E800-E949) .....	572	9.7	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	9,161	26.9
...	Motor vehicle accidents (E810-E825) .....	249	4.2	2	Accidents and adverse effects (E800-E949) .....	5,285	15.5
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	323	5.5	...	Motor vehicle accidents (E810-E825) .....	3,262	9.6
2	Congenital anomalies (740-759) .....	202	3.4	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,023	5.9
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	152	2.6	3	Diseases of heart (390-398,402,404-429) .....	3,060	9.0
4	Homicide and legal intervention (E960-E978) .....	93	1.6	4	Suicide (E950-E959) .....	2,250	6.6
5	Diseases of heart (390-398,402,404-429) .....	69	1.2	5	Homicide and legal intervention (E960-E978) .....	1,064	3.1
6	Pneumonia and influenza (480-487) .....	64	1.1	6	Cerebrovascular diseases (430-438) .....	1,038	3.1
7	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	29	0.5	7	Chronic liver disease and cirrhosis (571) .....	928	2.7
8	Septicemia (038) .....	20	0.3	8	Human immunodeficiency virus infection (*042-*044) .....	812	2.4
9	Certain conditions originating in the perinatal period (760-779) .....	18	*	9	Diabetes mellitus (250) .....	689	2.0
10	Meningitis (320-322) .....	15	*	10	Pneumonia and influenza (480-487) .....	506	1.5
10	Cerebrovascular diseases (430-438) .....	15	*	...	All other causes (Residual) .....	6,682	19.6
10	Meningococcal infection (036) .....	15	*	White, female, 45-64 years			
...	All other causes (Residual) .....	392	6.6	...	All causes .....	115,748	478.6
White, female, 5-14 years				1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	51,589	213.3
...	All causes .....	2,327	15.6	2	Diseases of heart (390-398,402,404-429) .....	22,299	92.2
1	Accidents and adverse effects (E800-E949) .....	892	6.0	3	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	5,485	22.7
...	Motor vehicle accidents (E810-E825) .....	613	4.1	4	Cerebrovascular diseases (430-438) .....	4,768	19.7
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	279	1.9	5	Diabetes mellitus (250) .....	4,149	17.2
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	382	2.6	6	Accidents and adverse effects (E800-E949) .....	4,124	17.1
3	Congenital anomalies (740-759) .....	157	1.1	...	Motor vehicle accidents (E810-E825) .....	2,275	9.4
4	Homicide and legal intervention (E960-E978) .....	90	0.6	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,849	7.6
5	Diseases of heart (390-398,402,404-429) .....	86	0.6	7	Chronic liver disease and cirrhosis (571) .....	2,433	10.1
6	Suicide (E950-E959) .....	61	0.4	8	Pneumonia and influenza (480-487) .....	1,872	7.7
7	Pneumonia and influenza (480-487) .....	51	0.3	9	Suicide (E950-E959) .....	1,733	7.2
8	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	33	0.2	10	Septicemia (038) .....	952	3.9
9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	26	0.2	...	All other causes (Residual) .....	16,344	67.6
10	Cerebrovascular diseases (430-438) .....	23	0.2	White, female, 65 years and over			
...	All other causes (Residual) .....	526	3.5	...	All causes .....	844,062	4,727.3
White, female, 15-24 years				1	Diseases of heart (390-398,402,404-429) .....	299,926	1,679.8
...	All causes .....	6,153	43.8	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	163,498	915.7
1	Accidents and adverse effects (E800-E949) .....	3,021	21.5	3	Cerebrovascular diseases (430-438) .....	79,181	443.5
...	Motor vehicle accidents (E810-E825) .....	2,594	18.4	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	43,605	244.2
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	427	3.0	5	Pneumonia and influenza (480-487) .....	39,832	223.1
2	Suicide (E950-E959) .....	515	3.7	6	Diabetes mellitus (250) .....	21,989	123.2
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	509	3.6	7	Alzheimer's disease (331.0) .....	14,461	81.0
4	Homicide and legal intervention (E960-E978) .....	444	3.2	8	Accidents and adverse effects (E800-E949) .....	14,398	80.6
5	Diseases of heart (390-398,402,404-429) .....	272	1.9	...	Motor vehicle accidents (E810-E825) .....	3,203	17.9
6	Congenital anomalies (740-759) .....	132	0.9	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	11,195	62.7
7	Pneumonia and influenza (480-487) .....	68	0.5	9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	9,666	54.1
8	Cerebrovascular diseases (430-438) .....	59	0.4	10	Atherosclerosis (440) .....	9,044	50.7
9	Complications of pregnancy, childbirth, and the puerperium (630-676) .....	46	0.3	...	All other causes (Residual) .....	148,462	831.5
10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	41	0.3				
10	Diabetes mellitus (250) .....	41	0.3				
...	All other causes (Residual) .....	1,005	7.1				

See footnotes at end of table.

**Table 8. Deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
Black, both sexes, all ages <sup>4</sup>				Black, both sexes, 15-24 years			
...	All causes .....	276,520	814.6	...	All causes .....	7,738	139.2
1	Diseases of heart (390-398,402,404-429) .....	77,174	227.3	1	Homicide and legal intervention (E960-E978) .....	3,529	63.5
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	61,333	180.7	2	Accidents and adverse effects (E800-E949) .....	1,688	30.4
3	Cerebrovascular diseases (430-438) .....	18,131	53.4	...	Motor vehicle accidents (E810-E825) .....	1,226	22.0
4	Accidents and adverse effects (E800-E949) .....	12,665	37.3	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	462	8.3
...	Motor vehicle accidents (E810-E825) .....	5,666	16.7	3	Suicide (E950-E959) .....	513	9.2
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	6,999	20.6	4	Diseases of heart (390-398,402,404-429) .....	339	6.1
5	Diabetes mellitus (250) .....	11,130	32.8	5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	292	5.3
6	Homicide and legal intervention (E960-E978) .....	9,253	27.3	6	Human immunodeficiency virus infection (*042-*044) .....	173	3.1
7	Human immunodeficiency virus infection (*042-*044) .....	8,525	25.1	7	Congenital anomalies (740-759) .....	96	1.7
8	Pneumonia and influenza (480-487) .....	7,920	23.3	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	65	1.2
9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	6,908	20.3	9	Pneumonia and influenza (480-487) .....	56	1.0
10	Certain conditions originating in the perinatal period (760-779) .....	4,714	13.9	10	Anemias (280-285) .....	54	1.0
...	All other causes (Residual) .....	58,767	173.1	...	All other causes (Residual) .....	933	16.8
Black, both sexes, 1-4 years				Black, both sexes, 25-44 years			
...	All causes .....	1,383	59.2	...	All causes .....	33,322	308.0
1	Accidents and adverse effects (E800-E949) .....	455	19.5	1	Human immunodeficiency virus infection (*042-*044) .....	5,584	51.6
...	Motor vehicle accidents (E810-E825) .....	181	7.7	2	Diseases of heart (390-398,402,404-429) .....	4,306	39.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	274	11.7	3	Accidents and adverse effects (E800-E949) .....	4,295	39.7
2	Homicide and legal intervention (E960-E978) .....	147	6.3	...	Motor vehicle accidents (E810-E825) .....	2,145	19.8
3	Congenital anomalies (740-759) .....	111	4.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,150	19.9
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	72	3.1	4	Homicide and legal intervention (E960-E978) .....	4,133	38.2
5	Diseases of heart (390-398,402,404-429) .....	65	2.8	5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	4,027	37.2
6	Pneumonia and influenza (480-487) .....	50	2.1	6	Cerebrovascular diseases (430-438) .....	1,125	10.4
7	Human immunodeficiency virus infection (*042-*044) .....	37	1.6	7	Suicide (E950-E959) .....	1,020	9.4
8	Certain conditions originating in the perinatal period (760-779) .....	34	1.5	8	Diabetes mellitus (250) .....	683	6.3
9	Anemias (280-285) .....	28	1.2	9	Pneumonia and influenza (480-487) .....	581	5.4
10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	22	0.9	10	Chronic liver disease and cirrhosis (571) .....	560	5.2
10	Septicemia (038) .....	22	0.9	...	All other causes (Residual) .....	7,008	64.8
...	All other causes (Residual) .....	340	14.6	Black, both sexes, 45-64 years			
Black, both sexes, 5-14 years				...	All causes .....	68,258	1,178.9
...	All causes .....	1,890	31.1	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	19,633	339.1
1	Accidents and adverse effects (E800-E949) .....	753	12.4	2	Diseases of heart (390-398,402,404-429) .....	18,955	327.4
...	Motor vehicle accidents (E810-E825) .....	377	6.2	3	Cerebrovascular diseases (430-438) .....	4,077	70.4
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	376	6.2	4	Diabetes mellitus (250) .....	3,178	54.9
2	Homicide and legal intervention (E960-E978) .....	180	3.0	5	Accidents and adverse effects (E800-E949) .....	2,786	48.1
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	152	2.5	...	Motor vehicle accidents (E810-E825) .....	1,099	19.0
4	Congenital anomalies (740-759) .....	95	1.6	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,687	29.1
5	Diseases of heart (390-398,402,404-429) .....	83	1.4	6	Human immunodeficiency virus infection (*042-*044) .....	2,419	41.8
6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	64	1.1	7	Chronic liver disease and cirrhosis (571) .....	1,590	27.5
7	Human immunodeficiency virus infection (*042-*044) .....	62	1.0	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	1,470	25.4
8	Anemias (280-285) .....	40	0.7	9	Pneumonia and influenza (480-487) .....	1,284	22.2
8	Suicide (E950-E959) .....	40	0.7	10	Septicemia (038) .....	909	15.7
10	Pneumonia and influenza (480-487) .....	32	0.5	...	All other causes (Residual) .....	11,957	206.5
...	All other causes (Residual) .....	389	6.4				

See footnotes at end of table.

**Table 8. Deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
Black, both sexes, 65 years and over				Black, male, 5-14 years			
...	All causes .....	155,343	5,540.7	...	All causes .....	1,076	34.8
1	Diseases of heart (390-398,402,404-429) .....	53,250	1,899.3	1	Accidents and adverse effects (E800-E949) .....	457	14.8
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	37,137	1,324.6	...	Motor vehicle accidents (E810-E825) .....	217	7.0
3	Cerebrovascular diseases (430-438) .....	12,772	455.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	240	7.8
4	Diabetes mellitus (250) .....	7,216	257.4	2	Homicide and legal intervention (E960-E978) .....	117	3.8
5	Pneumonia and influenza (480-487) .....	5,772	205.9	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	79	2.6
6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	4,858	173.3	4	Congenital anomalies (740-759) .....	45	1.5
7	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	3,077	109.7	5	Diseases of heart (390-398,402,404-429) .....	44	1.4
8	Septicemia (038) .....	2,872	102.4	6	Human immunodeficiency virus infection (*042-*044) .....	38	1.2
9	Accidents and adverse effects (E800-E949) .....	2,453	87.5	7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	33	1.1
...	Motor vehicle accidents (E810-E825) .....	597	21.3	8	Suicide (E950-E959) .....	28	0.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,856	66.2	9	Anemias (280-285) .....	19	*
10	Hypertension with or without renal disease (401,403) .....	2,080	74.2	10	Pneumonia and influenza (480-487) .....	15	*
...	All other causes (Residual) .....	23,856	850.9	...	All other causes (Residual) .....	201	6.5
Black, male, all ages <sup>4</sup>				Black, male, 15-24 years			
...	All causes .....	144,110	893.9	...	All causes .....	6,021	215.8
1	Diseases of heart (390-398,402,404-429) .....	37,212	230.8	1	Homicide and legal intervention (E960-E978) .....	3,160	113.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	32,719	203.0	2	Accidents and adverse effects (E800-E949) .....	1,288	46.2
3	Accidents and adverse effects (E800-E949) .....	8,582	53.2	...	Motor vehicle accidents (E810-E825) .....	913	32.7
...	Motor vehicle accidents (E810-E825) .....	3,895	24.2	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	375	13.4
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	4,687	29.1	3	Suicide (E950-E959) .....	447	16.0
4	Cerebrovascular diseases (430-438) .....	7,794	48.3	4	Diseases of heart (390-398,402,404-429) .....	204	7.3
5	Homicide and legal intervention (E960-E978) .....	7,601	47.1	5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	167	6.0
6	Human immunodeficiency virus infection (*042-*044) .....	6,078	37.7	6	Human immunodeficiency virus infection (*042-*044) .....	76	2.7
7	Diabetes mellitus (250) .....	4,440	27.5	7	Congenital anomalies (740-759) .....	55	2.0
8	Pneumonia and influenza (480-487) .....	3,978	24.7	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	42	1.5
9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	3,966	24.6	9	Anemias (280-285) .....	29	1.0
10	Certain conditions originating in the perinatal period (760-779) .....	2,624	16.3	10	Pneumonia and influenza (480-487) .....	28	1.0
...	All other causes (Residual) .....	29,116	180.6	...	All other causes (Residual) .....	525	18.8
Black, male, 1-4 years				Black, male, 25-44 years			
...	All causes .....	796	67.2	...	All causes .....	21,215	416.1
1	Accidents and adverse effects (E800-E949) .....	269	22.7	1	Human immunodeficiency virus infection (*042-*044) .....	3,911	76.7
...	Motor vehicle accidents (E810-E825) .....	107	9.0	2	Homicide and legal intervention (E960-E978) .....	3,316	65.0
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	162	13.7	3	Accidents and adverse effects (E800-E949) .....	3,167	62.1
2	Homicide and legal intervention (E960-E978) .....	84	7.1	...	Motor vehicle accidents (E810-E825) .....	1,535	30.1
3	Congenital anomalies (740-759) .....	59	5.0	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,632	32.0
4	Diseases of heart (390-398,402,404-429) .....	45	3.8	4	Diseases of heart (390-398,402,404-429) .....	2,694	52.8
5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	41	3.5	5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	1,752	34.4
6	Pneumonia and influenza (480-487) .....	28	2.4	6	Suicide (E950-E959) .....	865	17.0
7	Certain conditions originating in the perinatal period (760-779) .....	23	1.9	7	Cerebrovascular diseases (430-438) .....	523	10.3
8	Anemias (280-285) .....	21	1.8	8	Diabetes mellitus (250) .....	401	7.9
9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	18	*	9	Pneumonia and influenza (480-487) .....	341	6.7
10	Cerebrovascular diseases (430-438) .....	15	*	10	Chronic liver disease and cirrhosis (571) .....	340	6.7
...	All other causes (Residual) .....	193	16.3	...	All other causes (Residual) .....	3,905	76.6

See footnotes at end of table.

**Table 8. Deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
Black, male, 45-64 years				Black, female, 1-4 years			
...	All causes .....	40,332	1,562.4	...	All causes .....	587	51.0
1	Diseases of heart (390-398,402,404-429) .....	11,748	455.1	1	Accidents and adverse effects (E800-E949) .....	186	16.2
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	10,758	416.8	...	Motor vehicle accidents (E810-E825) .....	74	6.4
3	Cerebrovascular diseases (430-438) .....	2,270	87.9	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	112	9.7
4	Accidents and adverse effects (E800-E949) .....	1,988	77.0	2	Homicide and legal intervention (E960-E978) .....	63	5.5
...	Motor vehicle accidents (E810-E825) .....	746	28.9	3	Congenital anomalies (740-759) .....	52	4.5
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,242	48.1	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	31	2.7
5	Human immunodeficiency virus infection (*042-*044) .....	1,854	71.8	5	Human immunodeficiency virus infection (*042-*044) .....	23	2.0
6	Diabetes mellitus (250) .....	1,480	57.3	6	Pneumonia and influenza (480-487) .....	22	1.9
7	Chronic liver disease and cirrhosis (571) .....	1,106	42.8	7	Diseases of heart (390-398,402,404-429) .....	20	1.7
8	Pneumonia and influenza (480-487) .....	812	31.5	8	Septicemia (038) .....	13	*
9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	784	30.4	9	Certain conditions originating in the perinatal period (760-779) .....	11	*
10	Homicide and legal intervention (E960-E978) .....	708	27.4	10	Anemias (280-285) .....	7	*
...	All other causes (Residual) .....	6,824	264.4	...	All other causes (Residual) .....	159	13.8
Black, male, 65 years and over				Black, female, 5-14 years			
...	All causes .....	69,898	6,385.2	...	All causes .....	814	27.2
1	Diseases of heart (390-398,402,404-429) .....	22,384	2,044.8	1	Accidents and adverse effects (E800-E949) .....	296	9.9
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	19,909	1,818.7	...	Motor vehicle accidents (E810-E825) .....	160	5.3
3	Cerebrovascular diseases (430-438) .....	4,906	448.2	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	136	4.5
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	2,876	262.7	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	73	2.4
5	Pneumonia and influenza (480-487) .....	2,677	244.5	3	Homicide and legal intervention (E960-E978) .....	63	2.1
6	Diabetes mellitus (250) .....	2,532	231.3	4	Congenital anomalies (740-759) .....	50	1.7
7	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	1,281	117.0	5	Diseases of heart (390-398,402,404-429) .....	39	1.3
8	Accidents and adverse effects (E800-E949) .....	1,276	116.6	6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	31	1.0
...	Motor vehicle accidents (E810-E825) .....	354	32.3	7	Human immunodeficiency virus infection (*042-*044) .....	24	0.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	922	84.2	8	Anemias (280-285) .....	21	0.7
9	Septicemia (038) .....	1,169	106.8	9	Pneumonia and influenza (480-487) .....	17	*
10	Hypertension with or without renal disease (401,403) .....	762	69.6	10	Suicide (E950-E959) .....	12	*
...	All other causes (Residual) .....	10,126	925.0	...	All other causes (Residual) .....	188	6.3
Black, female, all ages <sup>4</sup>				Black, female, 15-24 years			
...	All causes .....	132,410	742.8	...	All causes .....	1,717	62.0
1	Diseases of heart (390-398,402,404-429) .....	39,962	224.2	1	Accidents and adverse effects (E800-E949) .....	400	14.4
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	28,614	160.5	...	Motor vehicle accidents (E810-E825) .....	313	11.3
3	Cerebrovascular diseases (430-438) .....	10,337	58.0	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	87	3.1
4	Diabetes mellitus (250) .....	6,690	37.5	2	Homicide and legal intervention (E960-E978) .....	369	13.3
5	Accidents and adverse effects (E800-E949) .....	4,083	22.9	3	Diseases of heart (390-398,402,404-429) .....	135	4.9
...	Motor vehicle accidents (E810-E825) .....	1,771	9.9	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	125	4.5
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,312	13.0	5	Human immunodeficiency virus infection (*042-*044) .....	97	3.5
6	Pneumonia and influenza (480-487) .....	3,942	22.1	6	Suicide (E950-E959) .....	66	2.4
7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	2,942	16.5	7	Congenital anomalies (740-759) .....	41	1.5
8	Human immunodeficiency virus infection (*042-*044) .....	2,447	13.7	8	Complications of pregnancy, childbirth, and the puerperium (630-676) .....	36	1.3
9	Septicemia (038) .....	2,370	13.3	9	Pneumonia and influenza (480-487) .....	28	1.0
10	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	2,295	12.9	10	Anemias (280-285) .....	25	0.9
...	All other causes (Residual) .....	28,728	161.2	...	All other causes (Residual) .....	395	14.3

See footnotes at end of table.

**Table 8. Deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
Black, female, 25-44 years				Black, female, 65 years and over			
...	All causes .....	12,107	211.7	...	All causes .....	85,445	4,999.8
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	2,275	39.8	1	Diseases of heart (390-398,402,404-429) .....	30,866	1,806.1
2	Human immunodeficiency virus infection (*042-*044) .....	1,673	29.3	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	17,228	1,008.1
3	Diseases of heart (390-398,402,404-429) .....	1,612	28.2	3	Cerebrovascular diseases (430-438) .....	7,866	460.3
4	Accidents and adverse effects (E800-E949) .....	1,128	19.7	4	Diabetes mellitus (250) .....	4,684	274.1
...	Motor vehicle accidents (E810-E825) .....	610	10.7	5	Pneumonia and influenza (480-487) .....	3,095	181.1
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	518	9.1	6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	1,982	116.0
5	Homicide and legal intervention (E960-E978) .....	817	14.3	7	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	1,796	105.1
6	Cerebrovascular diseases (430-438) .....	602	10.5	8	Septicemia (038) .....	1,703	99.7
7	Diabetes mellitus (250) .....	282	4.9	9	Hypertension with or without renal disease (401,403) .....	1,318	77.1
8	Pneumonia and influenza (480-487) .....	240	4.2	10	Accidents and adverse effects (E800-E949) .....	1,177	68.9
9	Chronic liver disease and cirrhosis (571) .....	220	3.8	...	Motor vehicle accidents (E810-E825) .....	243	14.2
10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	210	3.7	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	934	54.7
...	All other causes (Residual) .....	3,048	53.3	...	All other causes (Residual) .....	13,730	803.4
Black, female, 45-64 years							
...	All causes .....	27,926	870.3				
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	8,875	276.6				
2	Diseases of heart (390-398,402,404-429) .....	7,207	224.6				
3	Cerebrovascular diseases (430-438) .....	1,807	56.3				
4	Diabetes mellitus (250) .....	1,698	52.9				
5	Accidents and adverse effects (E800-E949) .....	798	24.9				
...	Motor vehicle accidents (E810-E825) .....	353	11.0				
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	445	13.9				
6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	686	21.4				
7	Human immunodeficiency virus infection (*042-*044) .....	565	17.6				
8	Chronic liver disease and cirrhosis (571) .....	484	15.1				
9	Pneumonia and influenza (480-487) .....	472	14.7				
10	Septicemia (038) .....	436	13.6				
...	All other causes (Residual) .....	4,898	152.7				

... Category not applicable.

\* Figure does not meet standards of reliability or precision; see Technical notes.

<sup>1</sup>Rank based on number of deaths; see Technical notes.<sup>2</sup>Figures for age not stated are included in "All ages" but not distributed among age groups.<sup>3</sup>Includes races other than white and black.<sup>4</sup>Includes deaths for "Under 1 year."

**Table 9. Deaths and death rates for the 10 leading causes of death in specified age groups, by sex and Hispanic origin and race for non-Hispanic population: United States, 1997**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age			Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age		
Rank <sup>1</sup>	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Number <sup>2</sup>	Rate <sup>2</sup>
Hispanic, both sexes, all ages <sup>3</sup>			Hispanic, both sexes, 15-24 years		
...	All causes	95,460 325.3	...	All causes	4,482 87.0
1	Diseases of heart (390-398,402,404-429)	23,824 81.2	1	Accidents and adverse effects (E800-E949)	1,736 33.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	18,635 63.5	...	Motor vehicle accidents (E810-E825)	1,289 25.0
3	Accidents and adverse effects (E800-E949)	7,932 27.0	...	All other accidents and adverse effects (E800-E807,E826-E949)	447 8.7
...	Motor vehicle accidents (E810-E825)	4,315 14.7	2	Homicide and legal intervention (E960-E978)	1,295 25.1
...	All other accidents and adverse effects (E800-E807,E826-E949)	3,617 12.3	3	Suicide (E950-E959)	455 8.8
4	Cerebrovascular diseases (430-438)	5,306 18.1	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	220 4.3
5	Diabetes mellitus (250)	4,538 15.5	5	Diseases of heart (390-398,402,404-429)	113 2.2
6	Homicide and legal intervention (E960-E978)	3,248 11.1	6	Congenital anomalies (740-759)	45 0.9
7	Pneumonia and influenza (480-487)	3,119 10.6	7	Human immunodeficiency virus infection (*042-*044)	41 0.8
8	Chronic liver disease and cirrhosis (571)	2,793 9.5	8	Pneumonia and influenza (480-487)	33 0.6
9	Chronic obstructive pulmonary diseases and allied conditions (490-496)	2,477 8.4	9	Cerebrovascular diseases (430-438)	27 0.5
10	Human immunodeficiency virus infection (*042-*044)	2,300 7.8	10	Complications of pregnancy, childbirth, and the puerperium (630-676)	19 *
...	All other causes (Residual)	21,288 72.5	...	All other causes (Residual)	498 9.7
Hispanic, both sexes, 1-4 years			Hispanic, both sexes, 25-44 years		
...	All causes	832 31.3	...	All causes	13,186 137.0
1	Accidents and adverse effects (E800-E949)	304 11.4	1	Accidents and adverse effects (E800-E949)	3,174 33.0
...	Motor vehicle accidents (E810-E825)	156 5.9	...	Motor vehicle accidents (E810-E825)	1,668 17.3
...	All other accidents and adverse effects (E800-E807,E826-E949)	148 5.6	...	All other accidents and adverse effects (E800-E807,E826-E949)	1,506 15.7
2	Congenital anomalies (740-759)	99 3.7	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	1,655 17.2
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	72 2.7	3	Human immunodeficiency virus infection (*042-*044)	1,573 16.3
4	Homicide and legal intervention (E960-E978)	64 2.4	4	Homicide and legal intervention (E960-E978)	1,435 14.9
5	Diseases of heart (390-398,402,404-429)	33 1.2	5	Diseases of heart (390-398,402,404-429)	941 9.8
6	Pneumonia and influenza (480-487)	31 1.2	6	Suicide (E950-E959)	809 8.4
7	Septicemia (038)	11 *	7	Chronic liver disease and cirrhosis (571)	577 6.0
7	Certain conditions originating in the perinatal period (760-779)	11 *	8	Cerebrovascular diseases (430-438)	350 3.6
9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	10 *	9	Diabetes mellitus (250)	184 1.9
10	Human immunodeficiency virus infection (*042-*044)	9 *	10	Pneumonia and influenza (480-487)	158 1.6
...	All other causes (Residual)	188 7.1	...	All other causes (Residual)	2,330 24.2
Hispanic, both sexes, 5-14 years			Hispanic, both sexes, 45-64 years		
...	All causes	934 17.2	...	All causes	20,365 494.0
1	Accidents and adverse effects (E800-E949)	339 6.2	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	5,680 137.8
...	Motor vehicle accidents (E810-E825)	209 3.8	2	Diseases of heart (390-398,402,404-429)	4,667 113.2
...	All other accidents and adverse effects (E800-E807,E826-E949)	130 2.4	3	Chronic liver disease and cirrhosis (571)	1,346 32.6
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	149 2.7	4	Accidents and adverse effects (E800-E949)	1,281 31.1
3	Congenital anomalies (740-759)	64 1.2	...	Motor vehicle accidents (E810-E825)	617 15.0
4	Homicide and legal intervention (E960-E978)	57 1.0	...	All other accidents and adverse effects (E800-E807,E826-E949)	664 16.1
5	Diseases of heart (390-398,402,404-429)	33 0.6	5	Diabetes mellitus (250)	1,262 30.6
6	Pneumonia and influenza (480-487)	26 0.5	6	Cerebrovascular diseases (430-438)	1,066 25.9
7	Suicide (E950-E959)	23 0.4	7	Human immunodeficiency virus infection (*042-*044)	608 14.7
8	Human immunodeficiency virus infection (*042-*044)	19 *	8	Pneumonia and influenza (480-487)	357 8.7
9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	8 *	9	Chronic obstructive pulmonary diseases and allied conditions (490-496)	322 7.8
9	Chronic obstructive pulmonary diseases and allied conditions (490-496)	8 *	10	Homicide and legal intervention (E960-E978)	286 6.9
...	All other causes (Residual)	208 3.8	...	All other causes (Residual)	3,490 84.6

See footnotes at end of table.

**Table 9. Deaths and death rates for the 10 leading causes of death in specified age groups, by sex and Hispanic origin and race for non-Hispanic population: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>				<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>			
Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>
Hispanic, both sexes, 65 years and over				Hispanic, male, 5-14 years			
...	All causes .....	51,371	3,091.5	...	All causes .....	520	18.7
1	Diseases of heart (390-398,402,404-429) .....	17,929	1,079.0	1	Accidents and adverse effects (E800-E949) .....	210	7.5
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	10,839	652.3	...	Motor vehicle accidents (E810-E825) .....	124	4.5
3	Cerebrovascular diseases (430-438) .....	3,819	229.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	86	3.1
4	Diabetes mellitus (250) .....	3,073	184.9	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	71	2.5
5	Pneumonia and influenza (480-487) .....	2,438	146.7	3	Homicide and legal intervention (E960-E978) .....	41	1.5
6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	2,021	121.6	4	Congenital anomalies (740-759) .....	26	0.9
7	Accidents and adverse effects (E800-E949) .....	951	57.2	5	Diseases of heart (390-398,402,404-429) .....	21	0.8
...	Motor vehicle accidents (E810-E825) .....	336	20.2	6	Suicide (E950-E959) .....	15	*
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	615	37.0	7	Pneumonia and influenza (480-487) .....	14	*
8	Chronic liver disease and cirrhosis (571) .....	857	51.6	8	Human immunodeficiency virus infection (*042-*044) .....	10	*
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	631	38.0	9	Anemias (280-285) .....	4	*
10	Septicemia (038) .....	539	32.4	10	Meningitis (320-322) .....	3	*
...	All other causes (Residual) .....	8,274	497.9	10	Cerebrovascular diseases (430-438) .....	3	*
Hispanic, male, all ages <sup>3</sup>				10	Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	3	*
...	All causes .....	54,348	360.5	...	All other causes (Residual) .....	99	3.6
1	Diseases of heart (390-398,402,404-429) .....	12,654	83.9	Hispanic, male, 15-24 years			
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	9,865	65.4	...	All causes .....	3,569	129.1
3	Accidents and adverse effects (E800-E949) .....	5,978	39.7	1	Accidents and adverse effects (E800-E949) .....	1,380	49.9
...	Motor vehicle accidents (E810-E825) .....	3,137	20.8	...	Motor vehicle accidents (E810-E825) .....	976	35.3
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,841	18.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	404	14.6
4	Homicide and legal intervention (E960-E978) .....	2,800	18.6	2	Homicide and legal intervention (E960-E978) .....	1,181	42.7
5	Cerebrovascular diseases (430-438) .....	2,510	16.7	3	Suicide (E950-E959) .....	398	14.4
6	Diabetes mellitus (250) .....	2,083	13.8	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	137	5.0
7	Chronic liver disease and cirrhosis (571) .....	2,003	13.3	5	Diseases of heart (390-398,402,404-429) .....	85	3.1
8	Human immunodeficiency virus infection (*042-*044) .....	1,856	12.3	6	Human immunodeficiency virus infection (*042-*044) .....	33	1.2
9	Pneumonia and influenza (480-487) .....	1,608	10.7	7	Congenital anomalies (740-759) .....	26	0.9
10	Suicide (E950-E959) .....	1,479	9.8	8	Pneumonia and influenza (480-487) .....	20	0.7
...	All other causes (Residual) .....	11,512	76.4	9	Cerebrovascular diseases (430-438) .....	11	*
Hispanic, male, 1-4 years				10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	10	*
...	All causes .....	465	34.1	10	Diabetes mellitus (250) .....	10	*
1	Accidents and adverse effects (E800-E949) .....	169	12.4	...	All other causes (Residual) .....	278	10.1
...	Motor vehicle accidents (E810-E825) .....	86	6.3	Hispanic, male, 25-44 years			
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	83	6.1	...	All causes .....	9,738	190.8
2	Congenital anomalies (740-759) .....	59	4.3	1	Accidents and adverse effects (E800-E949) .....	2,611	51.2
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	43	3.2	...	Motor vehicle accidents (E810-E825) .....	1,297	25.4
4	Homicide and legal intervention (E960-E978) .....	34	2.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,314	25.7
5	Diseases of heart (390-398,402,404-429) .....	19	*	2	Human immunodeficiency virus infection (*042-*044) .....	1,269	24.9
6	Pneumonia and influenza (480-487) .....	12	*	3	Homicide and legal intervention (E960-E978) .....	1,231	24.1
7	Septicemia (038) .....	7	*	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	762	14.9
7	Human immunodeficiency virus infection (*042-*044) .....	7	*	5	Suicide (E950-E959) .....	710	13.9
9	Certain conditions originating in the perinatal period (760-779) .....	5	*	6	Diseases of heart (390-398,402,404-429) .....	704	13.8
9	Cerebrovascular diseases (430-438) .....	5	*	7	Chronic liver disease and cirrhosis (571) .....	467	9.1
...	All other causes (Residual) .....	105	7.7	8	Cerebrovascular diseases (430-438) .....	214	4.2
See footnotes at end of table.				9	Diabetes mellitus (250) .....	112	2.2
				10	Pneumonia and influenza (480-487) .....	104	2.0
				...	All other causes (Residual) .....	1,554	30.4

**Table 9. Deaths and death rates for the 10 leading causes of death in specified age groups, by sex and Hispanic origin and race for non-Hispanic population: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race.]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>				<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>			
Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>
<b>Hispanic, male, 45-64 years</b>				<b>Hispanic, female, 1-4 years</b>			
...	All causes .....	12,705	634.3	...	All causes .....	367	28.4
1	Diseases of heart (390-398,402,404-429) .....	3,213	160.4	1	Accidents and adverse effects (E800-E949) .....	135	10.4
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	2,948	147.2	...	Motor vehicle accidents (E810-E825) .....	70	5.4
3	Chronic liver disease and cirrhosis (571) .....	1,055	52.7	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	65	5.0
4	Accidents and adverse effects (E800-E949) .....	953	47.6	2	Congenital anomalies (740-759) .....	40	3.1
...	Motor vehicle accidents (E810-E825) .....	427	21.3	3	Homicide and legal intervention (E960-E978) .....	30	2.3
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	526	26.3	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	29	2.2
5	Diabetes mellitus (250) .....	656	32.7	5	Pneumonia and influenza (480-487) .....	19	*
6	Cerebrovascular diseases (430-438) .....	639	31.9	6	Diseases of heart (390-398,402,404-429) .....	14	*
7	Human immunodeficiency virus infection (*042-*044) .....	495	24.7	7	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	6	*
8	Homicide and legal intervention (E960-E978) .....	233	11.6	7	Certain conditions originating in the perinatal period (760-779) .....	6	*
9	Suicide (E950-E959) .....	232	11.6	9	Septicemia (038) .....	4	*
10	Pneumonia and influenza (480-487) .....	220	11.0	10	Human immunodeficiency virus infection (*042-*044) .....	2	*
...	All other causes (Residual) .....	2,061	102.9	10	Tuberculosis (010-018) .....	2	*
<b>Hispanic, male, 65 years and over</b>				<b>Hispanic, female, 5-14 years</b>			
...	All causes .....	24,988	3,573.2	...	All causes .....	414	15.6
1	Diseases of heart (390-398,402,404-429) .....	8,544	1,221.8	1	Accidents and adverse effects (E800-E949) .....	129	4.9
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	5,895	843.0	...	Motor vehicle accidents (E810-E825) .....	85	3.2
3	Cerebrovascular diseases (430-438) .....	1,621	231.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	44	1.7
4	Diabetes mellitus (250) .....	1,302	186.2	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	78	2.9
5	Pneumonia and influenza (480-487) .....	1,194	170.7	3	Congenital anomalies (740-759) .....	38	1.4
6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	1,115	159.4	4	Homicide and legal intervention (E960-E978) .....	16	*
7	Accidents and adverse effects (E800-E949) .....	556	79.5	5	Diseases of heart (390-398,402,404-429) .....	12	*
...	Motor vehicle accidents (E810-E825) .....	200	28.6	5	Pneumonia and influenza (480-487) .....	12	*
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	356	50.9	7	Human immunodeficiency virus infection (*042-*044) .....	9	*
8	Chronic liver disease and cirrhosis (571) .....	472	67.5	8	Suicide (E950-E959) .....	8	*
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	287	41.0	8	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	8	*
10	Septicemia (038) .....	250	35.7	10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	7	*
...	All other causes (Residual) .....	3,752	536.5	...	All other causes (Residual) .....	97	3.7
<b>Hispanic, female, all ages<sup>3</sup></b>				<b>Hispanic, female, 15-24 years</b>			
...	All causes .....	41,112	288.0	...	All causes .....	913	38.3
1	Diseases of heart (390-398,402,404-429) .....	11,170	78.3	1	Accidents and adverse effects (E800-E949) .....	356	14.9
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	8,770	61.4	...	Motor vehicle accidents (E810-E825) .....	313	13.1
3	Cerebrovascular diseases (430-438) .....	2,796	19.6	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	43	1.8
4	Diabetes mellitus (250) .....	2,455	17.2	2	Homicide and legal intervention (E960-E978) .....	114	4.8
5	Accidents and adverse effects (E800-E949) .....	1,954	13.7	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	83	3.5
...	Motor vehicle accidents (E810-E825) .....	1,178	8.3	4	Suicide (E950-E959) .....	57	2.4
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	776	5.4	5	Diseases of heart (390-398,402,404-429) .....	28	1.2
6	Pneumonia and influenza (480-487) .....	1,511	10.6	6	Complications of pregnancy, childbirth, and the puerperium (630-676) .....	19	*
7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	1,120	7.8	6	Congenital anomalies (740-759) .....	19	*
8	Certain conditions originating in the perinatal period (760-779) .....	831	5.8	8	Cerebrovascular diseases (430-438) .....	16	*
9	Chronic liver disease and cirrhosis (571) .....	790	5.5	9	Pneumonia and influenza (480-487) .....	13	*
10	Congenital anomalies (740-759) .....	759	5.3	10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	8	*
...	All other causes (Residual) .....	8,956	62.7	10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	8	*
				10	Human immunodeficiency virus infection (*042-*044) .....	8	*
				...	All other causes (Residual) .....	184	7.7

See footnotes at end of table.



**Table 9. Deaths and death rates for the 10 leading causes of death in specified age groups, by sex and Hispanic origin and race for non-Hispanic population: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>			<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>				
Rank <sup>1</sup>	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Number <sup>2</sup>	Rate <sup>2</sup>		
Hispanic, female, 25-44 years			Total non-Hispanic <sup>4</sup> , both sexes, all ages <sup>3</sup>				
...	All causes .....	3,448	76.3	...	All causes .....	2,209,450	927.2
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	893	19.8	1	Diseases of heart (390-398,402,404-429) .....	700,192	293.8
2	Accidents and adverse effects (E800-E949) .....	563	12.5	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	519,228	217.9
...	Motor vehicle accidents (E810-E825) .....	371	8.2	3	Cerebrovascular diseases (430-438) .....	153,980	64.6
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	192	4.2	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	106,163	44.6
3	Human immunodeficiency virus infection (*042-*044) .....	304	6.7	5	Accidents and adverse effects (E800-E949) .....	87,176	36.6
4	Diseases of heart (390-398,402,404-429) .....	237	5.2	...	Motor vehicle accidents (E810-E825) .....	38,948	16.3
5	Homicide and legal intervention (E960-E978) .....	204	4.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	48,228	20.2
6	Cerebrovascular diseases (430-438) .....	136	3.0	6	Pneumonia and influenza (480-487) .....	82,978	34.8
7	Chronic liver disease and cirrhosis (571) .....	110	2.4	7	Diabetes mellitus (250) .....	57,888	24.3
8	Suicide (E950-E959) .....	99	2.2	8	Suicide (E950-E959) .....	28,661	12.0
9	Diabetes mellitus (250) .....	72	1.6	9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	24,334	10.2
10	Pneumonia and influenza (480-487) .....	54	1.2	10	Chronic liver disease and cirrhosis (571) .....	22,253	9.3
...	All other causes (Residual) .....	776	17.2	...	All other causes (Residual) .....	426,597	179.0
Hispanic, female, 45-64 years			Total non-Hispanic <sup>4</sup> , both sexes, 1-4 years				
...	All causes .....	7,660	361.4	...	All causes .....	4,646	36.6
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	2,732	128.9	1	Accidents and adverse effects (E800-E949) .....	1,692	13.3
2	Diseases of heart (390-398,402,404-429) .....	1,454	68.6	...	Motor vehicle accidents (E810-E825) .....	607	4.8
3	Diabetes mellitus (250) .....	606	28.6	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,085	8.5
4	Cerebrovascular diseases (430-438) .....	427	20.1	2	Congenital anomalies (740-759) .....	488	3.8
5	Accidents and adverse effects (E800-E949) .....	328	15.5	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	365	2.9
...	Motor vehicle accidents (E810-E825) .....	190	9.0	4	Homicide and legal intervention (E960-E978) .....	308	2.4
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	138	6.5	5	Diseases of heart (390-398,402,404-429) .....	178	1.4
6	Chronic liver disease and cirrhosis (571) .....	291	13.7	6	Pneumonia and influenza (480-487) .....	149	1.2
7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	152	7.2	7	Certain conditions originating in the perinatal period (760-779) .....	64	0.5
8	Pneumonia and influenza (480-487) .....	137	6.5	8	Septicemia (038) .....	62	0.5
9	Human immunodeficiency virus infection (*042-*044) .....	113	5.3	9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	55	0.4
10	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	87	4.1	10	Cerebrovascular diseases (430-438) .....	49	0.4
...	All other causes (Residual) .....	1,333	62.9	...	All other causes (Residual) .....	1,236	9.7
Hispanic, female, 65 years and over			Total non-Hispanic <sup>4</sup> , both sexes, 5-14 years				
...	All causes .....	26,383	2,741.4	...	All causes .....	7,098	21.3
1	Diseases of heart (390-398,402,404-429) .....	9,385	975.2	1	Accidents and adverse effects (E800-E949) .....	3,020	9.1
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	4,944	513.7	...	Motor vehicle accidents (E810-E825) .....	1,748	5.2
3	Cerebrovascular diseases (430-438) .....	2,198	228.4	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,272	3.8
4	Diabetes mellitus (250) .....	1,771	184.0	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	877	2.6
5	Pneumonia and influenza (480-487) .....	1,244	129.3	3	Homicide and legal intervention (E960-E978) .....	399	1.2
6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	906	94.1	4	Congenital anomalies (740-759) .....	383	1.1
7	Accidents and adverse effects (E800-E949) .....	395	41.0	5	Suicide (E950-E959) .....	284	0.9
...	Motor vehicle accidents (E810-E825) .....	136	14.1	6	Diseases of heart (390-398,402,404-429) .....	278	0.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	259	26.9	7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	120	0.4
8	Chronic liver disease and cirrhosis (571) .....	385	40.0	8	Pneumonia and influenza (480-487) .....	114	0.3
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	344	35.7	9	Human immunodeficiency virus infection (*042-*044) .....	82	0.2
10	Alzheimer's disease (331.0) .....	299	31.1	10	Cerebrovascular diseases (430-438) .....	71	0.2
...	All other causes (Residual) .....	4,512	468.8	...	All other causes (Residual) .....	1,470	4.4

See footnotes at end of table.

**Table 9. Deaths and death rates for the 10 leading causes of death in specified age groups, by sex and Hispanic origin and race for non-Hispanic population: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>			<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>				
Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>
Total non-Hispanic <sup>4</sup> , both sexes, 15-24 years				Total non-Hispanic <sup>4</sup> , both sexes, 65 years and over			
...	All causes .....	26,925	85.7	...	All causes .....	1,671,492	5,156.7
1	Accidents and adverse effects (E800-E949) .....	11,588	36.9	1	Diseases of heart (390-398,402,404-429) .....	586,642	1,809.8
...	Motor vehicle accidents (E810-E825) .....	8,889	28.3	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	370,907	1,144.3
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,699	8.6	3	Cerebrovascular diseases (430-438) .....	136,115	419.9
2	Homicide and legal intervention (E960-E978) .....	4,803	15.3	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	92,054	284.0
3	Suicide (E950-E959) .....	3,712	11.8	5	Pneumonia and influenza (480-487) .....	74,831	230.9
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	1,415	4.5	6	Diabetes mellitus (250) .....	44,068	136.0
5	Diseases of heart (390-398,402,404-429) .....	984	3.1	7	Accidents and adverse effects (E800-E949) .....	30,315	93.5
6	Congenital anomalies (740-759) .....	375	1.2	...	Motor vehicle accidents (E810-E825) .....	7,659	23.6
7	Human immunodeficiency virus infection (*042-*044) .....	234	0.7	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	22,656	69.9
8	Pneumonia and influenza (480-487) .....	187	0.6	8	Alzheimer's disease (331.0) .....	21,625	66.7
9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	183	0.6	9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	21,074	65.0
10	Cerebrovascular diseases (430-438) .....	160	0.5	10	Septicemia (038) .....	17,485	53.9
...	All other causes (Residual) .....	3,284	10.4	...	All other causes (Residual) .....	276,376	852.6
Total non-Hispanic <sup>4</sup> , both sexes, 25-44 years				Total non-Hispanic <sup>4</sup> , male, all ages <sup>3</sup>			
...	All causes .....	120,982	163.5	...	All causes .....	1,094,541	944.0
1	Accidents and adverse effects (E800-E949) .....	23,777	32.1	1	Diseases of heart (390-398,402,404-429) .....	342,386	295.3
...	Motor vehicle accidents (E810-E825) .....	12,424	16.8	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	270,334	233.2
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	11,353	15.3	3	Cerebrovascular diseases (430-438) .....	59,841	51.6
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	19,977	27.0	4	Accidents and adverse effects (E800-E949) .....	55,574	47.9
3	Diseases of heart (390-398,402,404-429) .....	15,505	21.0	...	Motor vehicle accidents (E810-E825) .....	25,483	22.0
4	Suicide (E950-E959) .....	11,523	15.6	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	30,091	26.0
5	Human immunodeficiency virus infection (*042-*044) .....	9,403	12.7	5	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	54,418	46.9
6	Homicide and legal intervention (E960-E978) .....	7,260	9.8	6	Pneumonia and influenza (480-487) .....	37,483	32.3
7	Chronic liver disease and cirrhosis (571) .....	3,418	4.6	7	Diabetes mellitus (250) .....	26,017	22.4
8	Cerebrovascular diseases (430-438) .....	3,105	4.2	8	Suicide (E950-E959) .....	22,868	19.7
9	Diabetes mellitus (250) .....	2,278	3.1	9	Chronic liver disease and cirrhosis (571) .....	14,170	12.2
10	Pneumonia and influenza (480-487) .....	1,758	2.4	10	Homicide and legal intervention (E960-E978) .....	12,515	10.8
...	All other causes (Residual) .....	22,978	31.1	...	All other causes (Residual) .....	198,935	171.6
Total non-Hispanic <sup>4</sup> , both sexes, 45-64 years				Total non-Hispanic <sup>4</sup> , male, 1-4 years			
...	All causes .....	354,742	691.2	...	All causes .....	2,642	40.7
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	125,606	244.7	1	Accidents and adverse effects (E800-E949) .....	1,015	15.6
2	Diseases of heart (390-398,402,404-429) .....	96,044	187.1	...	Motor vehicle accidents (E810-E825) .....	328	5.0
3	Accidents and adverse effects (E800-E949) .....	16,123	31.4	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	687	10.6
...	Motor vehicle accidents (E810-E825) .....	7,482	14.6	2	Congenital anomalies (740-759) .....	256	3.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	8,641	16.8	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	197	3.0
4	Cerebrovascular diseases (430-438) .....	14,244	27.8	4	Homicide and legal intervention (E960-E978) .....	173	2.7
5	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	12,582	24.5	5	Diseases of heart (390-398,402,404-429) .....	99	1.5
6	Diabetes mellitus (250) .....	11,397	22.2	6	Pneumonia and influenza (480-487) .....	77	1.2
7	Chronic liver disease and cirrhosis (571) .....	9,471	18.5	7	Certain conditions originating in the perinatal period (760-779) .....	41	0.6
8	Suicide (E950-E959) .....	7,577	14.8	8	Cerebrovascular diseases (430-438) .....	31	0.5
9	Pneumonia and influenza (480-487) .....	5,596	10.9	8	Septicemia (038) .....	31	0.5
10	Human immunodeficiency virus infection (*042-*044) .....	3,886	7.6	10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	28	0.4
...	All other causes (Residual) .....	52,216	101.7	...	All other causes (Residual) .....	694	10.7

See footnotes at end of table.

**Table 9. Deaths and death rates for the 10 leading causes of death in specified age groups, by sex and Hispanic origin and race for non-Hispanic population: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>			<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>				
Rank <sup>1</sup>	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Number <sup>2</sup>	Rate <sup>2</sup>		
Total non-Hispanic <sup>4</sup> , male, 5-14 years			Total non-Hispanic <sup>4</sup> , male, 45-64 years				
...	All causes .....	4,223	24.7	...	All causes .....	215,545	867.6
1	Accidents and adverse effects (E800-E949) .....	1,891	11.1	1	Diseases of heart (390-398,402,404-429) .....	67,509	271.7
...	Motor vehicle accidents (E810-E825) .....	1,023	6.0	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	66,623	268.2
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	868	5.1	3	Accidents and adverse effects (E800-E949) .....	11,362	45.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	488	2.9	...	Motor vehicle accidents (E810-E825) .....	4,922	19.8
3	Homicide and legal intervention (E960-E978) .....	254	1.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	6,440	25.9
4	Suicide (E950-E959) .....	218	1.3	4	Cerebrovascular diseases (430-438) .....	7,827	31.5
5	Congenital anomalies (740-759) .....	206	1.2	5	Chronic liver disease and cirrhosis (571) .....	6,753	27.2
6	Diseases of heart (390-398,402,404-429) .....	157	0.9	6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	6,497	26.2
7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	69	0.4	7	Diabetes mellitus (250) .....	5,974	24.0
8	Pneumonia and influenza (480-487) .....	57	0.3	8	Suicide (E950-E959) .....	5,761	23.2
9	Human immunodeficiency virus infection (*042-*044) .....	52	0.3	9	Pneumonia and influenza (480-487) .....	3,323	13.4
10	Cerebrovascular diseases (430-438) .....	41	0.2	10	Human immunodeficiency virus infection (*042-*044) .....	3,174	12.8
...	All other causes (Residual) .....	790	4.6	...	All other causes (Residual) .....	30,742	123.7
Total non-Hispanic <sup>4</sup> , male, 15-24 years			Total non-Hispanic <sup>4</sup> , male, 65 years and over				
...	All causes .....	19,637	122.4	...	All causes .....	759,582	5,706.7
1	Accidents and adverse effects (E800-E949) .....	8,378	52.2	1	Diseases of heart (390-398,402,404-429) .....	262,762	1,974.1
...	Motor vehicle accidents (E810-E825) .....	6,169	38.5	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	193,102	1,450.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,209	13.8	3	Cerebrovascular diseases (430-438) .....	50,182	377.0
2	Homicide and legal intervention (E960-E978) .....	4,081	25.4	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	47,124	354.0
3	Suicide (E950-E959) .....	3,144	19.6	5	Pneumonia and influenza (480-487) .....	32,667	245.4
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	838	5.2	6	Diabetes mellitus (250) .....	18,608	139.8
5	Diseases of heart (390-398,402,404-429) .....	588	3.7	7	Accidents and adverse effects (E800-E949) .....	14,899	111.9
6	Congenital anomalies (740-759) .....	215	1.3	...	Motor vehicle accidents (E810-E825) .....	4,240	31.9
7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	125	0.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	10,659	80.1
8	Human immunodeficiency virus infection (*042-*044) .....	112	0.7	8	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	9,835	73.9
9	Pneumonia and influenza (480-487) .....	99	0.6	9	Septicemia (038) .....	7,098	53.3
10	Cerebrovascular diseases (430-438) .....	94	0.6	10	Alzheimer's disease (331.0) .....	6,710	50.4
...	All other causes (Residual) .....	1,963	12.2	...	All other causes (Residual) .....	116,595	876.0
Total non-Hispanic <sup>4</sup> , male, 25-44 years			Total non-Hispanic <sup>4</sup> , female, all ages <sup>3</sup>				
...	All causes .....	79,551	217.4	...	All causes .....	1,114,909	911.3
1	Accidents and adverse effects (E800-E949) .....	17,658	48.3	1	Diseases of heart (390-398,402,404-429) .....	357,806	292.5
...	Motor vehicle accidents (E810-E825) .....	8,733	23.9	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	248,894	203.4
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	8,925	24.4	3	Cerebrovascular diseases (430-438) .....	94,139	76.9
2	Diseases of heart (390-398,402,404-429) .....	10,959	30.0	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	51,745	42.3
3	Suicide (E950-E959) .....	9,137	25.0	5	Pneumonia and influenza (480-487) .....	45,495	37.2
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	9,044	24.7	6	Diabetes mellitus (250) .....	31,871	26.1
5	Human immunodeficiency virus infection (*042-*044) .....	7,244	19.8	7	Accidents and adverse effects (E800-E949) .....	31,602	25.8
6	Homicide and legal intervention (E960-E978) .....	5,525	15.1	...	Motor vehicle accidents (E810-E825) .....	13,465	11.0
7	Chronic liver disease and cirrhosis (571) .....	2,314	6.3	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	18,137	14.8
8	Cerebrovascular diseases (430-438) .....	1,533	4.2	8	Alzheimer's disease (331.0) .....	15,070	12.3
9	Diabetes mellitus (250) .....	1,365	3.7	9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	12,670	10.4
10	Pneumonia and influenza (480-487) .....	1,050	2.9	10	Septicemia (038) .....	12,275	10.0
...	All other causes (Residual) .....	13,722	37.5	...	All other causes (Residual) .....	213,342	174.4

See footnotes at end of table.

**Table 9. Deaths and death rates for the 10 leading causes of death in specified age groups, by sex and Hispanic origin and race for non-Hispanic population: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>				<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>			
Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>
<b>Total non-Hispanic<sup>4</sup>, female, 1-4 years</b>				<b>Total non-Hispanic<sup>4</sup>, female, 25-44 years</b>			
...	All causes .....	2,004	32.3	...	All causes .....	41,431	110.8
1	Accidents and adverse effects (E800-E949) .....	677	10.9	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	10,933	29.2
...	Motor vehicle accidents (E810-E825) .....	279	4.5	2	Accidents and adverse effects (E800-E949) .....	6,119	16.4
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	398	6.4	...	Motor vehicle accidents (E810-E825) .....	3,691	9.9
2	Congenital anomalies (740-759) .....	232	3.7	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,428	6.5
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	168	2.7	3	Diseases of heart (390-398,402,404-429) .....	4,546	12.2
4	Homicide and legal intervention (E960-E978) .....	135	2.2	4	Suicide (E950-E959) .....	2,386	6.4
5	Diseases of heart (390-398,402,404-429) .....	79	1.3	5	Human immunodeficiency virus infection (*042-*044) .....	2,159	5.8
6	Pneumonia and influenza (480-487) .....	72	1.2	6	Homicide and legal intervention (E960-E978) .....	1,735	4.6
7	Septicemia (038) .....	31	0.5	7	Cerebrovascular diseases (430-438) .....	1,572	4.2
8	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	27	0.4	8	Chronic liver disease and cirrhosis (571) .....	1,104	3.0
8	Human immunodeficiency virus infection (*042-*044) .....	27	0.4	9	Diabetes mellitus (250) .....	913	2.4
10	Certain conditions originating in the perinatal period (760-779) .....	23	0.4	10	Pneumonia and influenza (480-487) .....	708	1.9
...	All other causes (Residual) .....	533	8.6	...	All other causes (Residual) .....	9,256	24.8
<b>Total non-Hispanic<sup>4</sup>, female, 5-14 years</b>				<b>Total non-Hispanic<sup>4</sup>, female, 45-64 years</b>			
...	All causes .....	2,875	17.7	...	All causes .....	139,197	525.7
1	Accidents and adverse effects (E800-E949) .....	1,129	6.9	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	58,983	222.8
...	Motor vehicle accidents (E810-E825) .....	725	4.5	2	Diseases of heart (390-398,402,404-429) .....	28,535	107.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	404	2.5	3	Cerebrovascular diseases (430-438) .....	6,417	24.2
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	389	2.4	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	6,085	23.0
3	Congenital anomalies (740-759) .....	177	1.1	5	Diabetes mellitus (250) .....	5,423	20.5
4	Homicide and legal intervention (E960-E978) .....	145	0.9	6	Accidents and adverse effects (E800-E949) .....	4,761	18.0
5	Diseases of heart (390-398,402,404-429) .....	121	0.7	...	Motor vehicle accidents (E810-E825) .....	2,560	9.7
6	Suicide (E950-E959) .....	66	0.4	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,201	8.3
7	Pneumonia and influenza (480-487) .....	57	0.4	7	Chronic liver disease and cirrhosis (571) .....	2,718	10.3
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	51	0.3	8	Pneumonia and influenza (480-487) .....	2,273	8.6
9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	38	0.2	9	Suicide (E950-E959) .....	1,816	6.9
10	Anemias (280-285) .....	30	0.2	10	Septicemia (038) .....	1,345	5.1
10	Cerebrovascular diseases (430-438) .....	30	0.2	...	All other causes (Residual) .....	20,841	78.7
10	Human immunodeficiency virus infection (*042-*044) .....	30	0.2	<b>Total non-Hispanic<sup>4</sup>, female, 65 years and over</b>			
...	All other causes (Residual) .....	612	3.8	...	All causes .....	911,910	4,773.5
<b>Total non-Hispanic<sup>4</sup>, female, 15-24 years</b>				1	Diseases of heart (390-398,402,404-429) .....	323,880	1,695.4
...	All causes .....	7,288	47.4	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	177,805	930.7
1	Accidents and adverse effects (E800-E949) .....	3,210	20.9	3	Cerebrovascular diseases (430-438) .....	85,933	449.8
...	Motor vehicle accidents (E810-E825) .....	2,720	17.7	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	44,930	235.2
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	490	3.2	5	Pneumonia and influenza (480-487) .....	42,164	220.7
2	Homicide and legal intervention (E960-E978) .....	722	4.7	6	Diabetes mellitus (250) .....	25,460	133.3
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	577	3.7	7	Accidents and adverse effects (E800-E949) .....	15,416	80.7
4	Suicide (E950-E959) .....	568	3.7	...	Motor vehicle accidents (E810-E825) .....	3,419	17.9
5	Diseases of heart (390-398,402,404-429) .....	396	2.6	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	11,997	62.8
6	Congenital anomalies (740-759) .....	160	1.0	8	Alzheimer's disease (331.0) .....	14,915	78.1
7	Human immunodeficiency virus infection (*042-*044) .....	122	0.8	9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	11,239	58.8
8	Pneumonia and influenza (480-487) .....	88	0.6	10	Septicemia (038) .....	10,387	54.4
9	Complications of pregnancy, childbirth, and the puerperium (630-676) .....	67	0.4	...	All other causes (Residual) .....	159,781	836.4
10	Cerebrovascular diseases (430-438) .....	66	0.4				
...	All other causes (Residual) .....	1,312	8.5				

See footnotes at end of table.

**Table 9. Deaths and death rates for the 10 leading causes of death in specified age groups, by sex and Hispanic origin and race for non-Hispanic population: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>			<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>				
Rank <sup>1</sup>	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Number <sup>2</sup>	Rate <sup>2</sup>		
White non-Hispanic, both sexes, all ages <sup>3</sup>			White non-Hispanic, both sexes, 15-24 years				
...	All causes .....	1,895,461	974.2	...	All causes .....	18,105	74.2
1	Diseases of heart (390-398,402,404-429) .....	613,508	315.3	1	Accidents and adverse effects (E800-E949) .....	9,424	38.6
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	448,836	230.7	...	Motor vehicle accidents (E810-E825) .....	7,306	29.9
3	Cerebrovascular diseases (430-438) .....	132,683	68.2	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,118	8.7
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	97,993	50.4	2	Suicide (E950-E959) .....	2,994	12.3
5	Pneumonia and influenza (480-487) .....	73,526	37.8	3	Homicide and legal intervention (E960-E978) .....	1,149	4.7
6	Accidents and adverse effects (E800-E949) .....	71,749	36.9	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	1,059	4.3
...	Motor vehicle accidents (E810-E825) .....	31,717	16.3	5	Diseases of heart (390-398,402,404-429) .....	609	2.5
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	40,032	20.6	6	Congenital anomalies (740-759) .....	262	1.1
7	Diabetes mellitus (250) .....	45,223	23.2	7	Pneumonia and influenza (480-487) .....	123	0.5
8	Suicide (E950-E959) .....	25,699	13.2	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	108	0.4
9	Alzheimer's disease (331.0) .....	20,664	10.6	8	Cerebrovascular diseases (430-438) .....	108	0.4
10	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	19,730	10.1	10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	73	0.3
...	All other causes (Residual) .....	345,850	177.7	...	All other causes (Residual) .....	2,196	9.0
White non-Hispanic, both sexes, 1-4 years			White non-Hispanic, both sexes, 25-44 years				
...	All causes .....	3,032	31.1	...	All causes .....	84,013	140.4
1	Accidents and adverse effects (E800-E949) .....	1,141	11.7	1	Accidents and adverse effects (E800-E949) .....	18,564	31.0
...	Motor vehicle accidents (E810-E825) .....	392	4.0	...	Motor vehicle accidents (E810-E825) .....	9,700	16.2
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	749	7.7	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	8,864	14.8
2	Congenital anomalies (740-759) .....	341	3.5	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	15,223	25.4
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	268	2.8	3	Diseases of heart (390-398,402,404-429) .....	10,814	18.1
4	Homicide and legal intervention (E960-E978) .....	151	1.6	4	Suicide (E950-E959) .....	10,150	17.0
5	Diseases of heart (390-398,402,404-429) .....	110	1.1	5	Human immunodeficiency virus infection (*042-044) .....	3,798	6.3
6	Pneumonia and influenza (480-487) .....	89	0.9	6	Homicide and legal intervention (E960-E978) .....	2,920	4.9
7	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	46	0.5	7	Chronic liver disease and cirrhosis (571) .....	2,677	4.5
8	Septicemia (038) .....	38	0.4	8	Cerebrovascular diseases (430-438) .....	1,841	3.1
9	Meningococcal infection (036) .....	32	0.3	9	Diabetes mellitus (250) .....	1,551	2.6
10	Certain conditions originating in the perinatal period (760-779) .....	30	0.3	10	Pneumonia and influenza (480-487) .....	1,131	1.9
10	Cerebrovascular diseases (430-438) .....	30	0.3	...	All other causes (Residual) .....	15,344	25.6
...	All other causes (Residual) .....	756	7.8	White non-Hispanic, both sexes, 45-64 years			
White non-Hispanic, both sexes, 5-14 years			...	All causes .....	278,131	637.5	
...	All causes .....	4,878	19.0	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	103,077	236.3
1	Accidents and adverse effects (E800-E949) .....	2,114	8.2	2	Diseases of heart (390-398,402,404-429) .....	75,179	172.3
...	Motor vehicle accidents (E810-E825) .....	1,303	5.1	3	Accidents and adverse effects (E800-E949) .....	12,836	29.4
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	811	3.2	...	Motor vehicle accidents (E810-E825) .....	6,094	14.0
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	682	2.7	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	6,742	15.5
3	Congenital anomalies (740-759) .....	272	1.1	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	10,923	25.0
4	Suicide (E950-E959) .....	234	0.9	5	Cerebrovascular diseases (430-438) .....	9,584	22.0
5	Homicide and legal intervention (E960-E978) .....	190	0.7	6	Diabetes mellitus (250) .....	7,812	17.9
6	Diseases of heart (390-398,402,404-429) .....	186	0.7	7	Chronic liver disease and cirrhosis (571) .....	7,608	17.4
7	Pneumonia and influenza (480-487) .....	78	0.3	8	Suicide (E950-E959) .....	7,049	16.2
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	52	0.2	9	Pneumonia and influenza (480-487) .....	4,145	9.5
9	Cerebrovascular diseases (430-438) .....	49	0.2	10	Septicemia (038) .....	1,888	4.3
10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	44	0.2	...	All other causes (Residual) .....	38,030	87.2
...	All other causes (Residual) .....	977	3.8				

See footnotes at end of table.

**Table 9. Deaths and death rates for the 10 leading causes of death in specified age groups, by sex and Hispanic origin and race for non-Hispanic population: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>				<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>			
Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>
<b>White non-Hispanic, both sexes, 65 years and over</b>				<b>White non-Hispanic, male, 5-14 years</b>			
...	All causes .....	1,493,035	5,172.3	...	All causes .....	2,959	22.4
1	Diseases of heart (390-398,402,404-429) .....	526,244	1,823.1	1	Accidents and adverse effects (E800-E949) .....	1,347	10.2
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	328,474	1,137.9	...	Motor vehicle accidents (E810-E825) .....	773	5.9
3	Cerebrovascular diseases (430-438) .....	120,917	418.9	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	574	4.3
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	86,175	298.5	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	380	2.9
5	Pneumonia and influenza (480-487) .....	67,773	234.8	3	Suicide (E950-E959) .....	180	1.4
6	Diabetes mellitus (250) .....	35,769	123.9	4	Congenital anomalies (740-759) .....	153	1.2
7	Accidents and adverse effects (E800-E949) .....	27,268	94.5	5	Homicide and legal intervention (E960-E978) .....	116	0.9
...	Motor vehicle accidents (E810-E825) .....	6,830	23.7	6	Diseases of heart (390-398,402,404-429) .....	112	0.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	20,438	70.8	7	Pneumonia and influenza (480-487) .....	40	0.3
8	Alzheimer's disease (331.0) .....	20,384	70.6	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	33	0.2
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	17,717	61.4	9	Cerebrovascular diseases (430-438) .....	28	0.2
10	Septicemia (038) .....	14,419	50.0	10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	18	*
...	All other causes (Residual) .....	247,895	858.8	...	All other causes (Residual) .....	552	4.2
<b>White non-Hispanic, male, all ages<sup>3</sup></b>				<b>White non-Hispanic, male, 15-24 years</b>			
...	All causes .....	929,703	977.3	...	All causes .....	12,863	102.7
1	Diseases of heart (390-398,402,404-429) .....	299,693	315.0	1	Accidents and adverse effects (E800-E949) .....	6,762	54.0
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	232,789	244.7	...	Motor vehicle accidents (E810-E825) .....	5,027	40.1
3	Cerebrovascular diseases (430-438) .....	50,525	53.1	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,735	13.9
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	49,674	52.2	2	Suicide (E950-E959) .....	2,535	20.2
5	Accidents and adverse effects (E800-E949) .....	45,226	47.5	3	Homicide and legal intervention (E960-E978) .....	818	6.5
...	Motor vehicle accidents (E810-E825) .....	20,651	21.7	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	636	5.1
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	24,575	25.8	5	Diseases of heart (390-398,402,404-429) .....	363	2.9
6	Pneumonia and influenza (480-487) .....	32,658	34.3	6	Congenital anomalies (740-759) .....	149	1.2
7	Diabetes mellitus (250) .....	20,849	21.9	7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	75	0.6
8	Suicide (E950-E959) .....	20,470	21.5	8	Pneumonia and influenza (480-487) .....	67	0.5
9	Chronic liver disease and cirrhosis (571) .....	11,997	12.6	9	Cerebrovascular diseases (430-438) .....	65	0.5
10	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	9,555	10.0	10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	43	0.3
...	All other causes (Residual) .....	156,267	164.3	...	All other causes (Residual) .....	1,350	10.8
<b>White non-Hispanic, male, 1-4 years</b>				<b>White non-Hispanic, male, 25-44 years</b>			
...	All causes .....	1,737	34.8	...	All causes .....	56,047	187.4
1	Accidents and adverse effects (E800-E949) .....	698	14.0	1	Accidents and adverse effects (E800-E949) .....	13,857	46.3
...	Motor vehicle accidents (E810-E825) .....	210	4.2	...	Motor vehicle accidents (E810-E825) .....	6,818	22.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	488	9.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	7,039	23.5
2	Congenital anomalies (740-759) .....	178	3.6	2	Suicide (E950-E959) .....	8,007	26.8
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	145	2.9	3	Diseases of heart (390-398,402,404-429) .....	7,994	26.7
4	Homicide and legal intervention (E960-E978) .....	87	1.7	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	6,967	23.3
5	Diseases of heart (390-398,402,404-429) .....	54	1.1	5	Human immunodeficiency virus infection (*042-*044) .....	3,288	11.0
6	Pneumonia and influenza (480-487) .....	44	0.9	6	Homicide and legal intervention (E960-E978) .....	2,057	6.9
7	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	23	0.5	7	Chronic liver disease and cirrhosis (571) .....	1,864	6.2
8	Septicemia (038) .....	22	0.4	8	Diabetes mellitus (250) .....	941	3.1
9	Certain conditions originating in the perinatal period (760-779) .....	18	*	9	Cerebrovascular diseases (430-438) .....	938	3.1
9	Meningococcal infection (036) .....	18	*	10	Pneumonia and influenza (480-487) .....	680	2.3
...	All other causes (Residual) .....	450	9.0	...	All other causes (Residual) .....	9,454	31.6

See footnotes at end of table.

**Table 9. Deaths and death rates for the 10 leading causes of death in specified age groups, by sex and Hispanic origin and race for non-Hispanic population: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>				<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>			
Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>
White non-Hispanic, male, 45-64 years				White non-Hispanic, female, 1-4 years			
...	All causes .....	170,270	796.6	...	All causes .....	1,295	27.3
1	Diseases of heart (390-398,402,404-429) .....	54,375	254.4	1	Accidents and adverse effects (E800-E949) .....	443	9.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	54,332	254.2	...	Motor vehicle accidents (E810-E825) .....	182	3.8
3	Accidents and adverse effects (E800-E949) .....	9,045	42.3	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	261	5.5
...	Motor vehicle accidents (E810-E825) .....	4,013	18.8	2	Congenital anomalies (740-759) .....	163	3.4
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	5,032	23.5	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	123	2.6
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	5,600	26.2	4	Homicide and legal intervention (E960-E978) .....	64	1.3
5	Chronic liver disease and cirrhosis (571) .....	5,472	25.6	5	Diseases of heart (390-398,402,404-429) .....	56	1.2
6	Suicide (E950-E959) .....	5,364	25.1	6	Pneumonia and influenza (480-487) .....	45	0.9
7	Cerebrovascular diseases (430-438) .....	5,251	24.6	7	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	23	0.5
8	Diabetes mellitus (250) .....	4,274	20.0	8	Septicemia (038) .....	16	*
9	Pneumonia and influenza (480-487) .....	2,414	11.3	9	Meningococcal infection (036) .....	14	*
10	Human immunodeficiency virus infection (*042-*044) .....	1,366	6.4	10	Cerebrovascular diseases (430-438) .....	13	*
...	All other causes (Residual) .....	22,777	106.6	10	Meningitis (320-322) .....	13	*
White non-Hispanic, male, 65 years and over				...	All other causes (Residual) .....	322	6.8
White non-Hispanic, female, 5-14 years				...	All causes .....	1,919	15.3
...	All causes .....	677,636	5,693.6	1	Accidents and adverse effects (E800-E949) .....	767	6.1
1	Diseases of heart (390-398,402,404-429) .....	236,584	1,987.8	...	Motor vehicle accidents (E810-E825) .....	530	4.2
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	170,303	1,430.9	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	237	1.9
3	Cerebrovascular diseases (430-438) .....	44,140	370.9	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	302	2.4
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	43,613	366.4	3	Congenital anomalies (740-759) .....	119	1.0
5	Pneumonia and influenza (480-487) .....	29,289	246.1	4	Diseases of heart (390-398,402,404-429) .....	74	0.6
6	Diabetes mellitus (250) .....	15,592	131.0	4	Homicide and legal intervention (E960-E978) .....	74	0.6
7	Accidents and adverse effects (E800-E949) .....	13,296	111.7	6	Suicide (E950-E959) .....	54	0.4
...	Motor vehicle accidents (E810-E825) .....	3,768	31.7	7	Pneumonia and influenza (480-487) .....	38	0.3
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	9,528	80.1	8	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	26	0.2
8	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	8,428	70.8	9	Cerebrovascular diseases (430-438) .....	21	0.2
9	Alzheimer's disease (331.0) .....	6,267	52.7	10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	19	*
10	Septicemia (038) .....	5,835	49.0	...	All other causes (Residual) .....	425	3.4
...	All other causes (Residual) .....	104,289	876.3	White non-Hispanic, female, 15-24 years			
White non-Hispanic, female, all ages <sup>3</sup>				...	All causes .....	5,242	44.1
...	All causes .....	965,758	971.2	1	Accidents and adverse effects (E800-E949) .....	2,662	22.4
1	Diseases of heart (390-398,402,404-429) .....	313,815	315.6	...	Motor vehicle accidents (E810-E825) .....	2,279	19.2
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	216,047	217.3	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	383	3.2
3	Cerebrovascular diseases (430-438) .....	82,158	82.6	2	Suicide (E950-E959) .....	459	3.9
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	48,319	48.6	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	423	3.6
5	Pneumonia and influenza (480-487) .....	40,868	41.1	4	Homicide and legal intervention (E960-E978) .....	331	2.8
6	Accidents and adverse effects (E800-E949) .....	26,523	26.7	5	Diseases of heart (390-398,402,404-429) .....	246	2.1
...	Motor vehicle accidents (E810-E825) .....	11,066	11.1	6	Congenital anomalies (740-759) .....	113	1.0
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	15,457	15.5	7	Pneumonia and influenza (480-487) .....	56	0.5
7	Diabetes mellitus (250) .....	24,374	24.5	8	Cerebrovascular diseases (430-438) .....	43	0.4
8	Alzheimer's disease (331.0) .....	14,256	14.3	9	Diabetes mellitus (250) .....	35	0.3
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	10,175	10.2	10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	33	0.3
10	Septicemia (038) .....	9,754	9.8	...	All other causes (Residual) .....	841	7.1
...	All other causes (Residual) .....	179,469	180.5				

See footnotes at end of table.

**Table 9. Deaths and death rates for the 10 leading causes of death in specified age groups, by sex and Hispanic origin and race for non-Hispanic population: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>				<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>			
Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>
White non-Hispanic, female, 25-44 years				Black non-Hispanic, both sexes, all ages <sup>3</sup>			
...	All causes .....	27,966	93.5	...	All causes .....	273,381	846.4
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	8,256	27.6	1	Diseases of heart (390-398,402,404-429) .....	76,288	236.2
2	Accidents and adverse effects (E800-E949) .....	4,707	15.7	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	60,798	188.2
...	Motor vehicle accidents (E810-E825) .....	2,882	9.6	3	Cerebrovascular diseases (430-438) .....	18,002	55.7
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,825	6.1	4	Accidents and adverse effects (E800-E949) .....	12,445	38.5
3	Diseases of heart (390-398,402,404-429) .....	2,820	9.4	...	Motor vehicle accidents (E810-E825) .....	5,572	17.3
4	Suicide (E950-E959) .....	2,143	7.2	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	6,873	21.3
5	Cerebrovascular diseases (430-438) .....	903	3.0	5	Diabetes mellitus (250) .....	11,029	34.1
6	Homicide and legal intervention (E960-E978) .....	863	2.9	6	Homicide and legal intervention (E960-E978) .....	9,091	28.1
7	Chronic liver disease and cirrhosis (571) .....	813	2.7	7	Human immunodeficiency virus infection (*042-*044) .....	8,350	25.9
8	Diabetes mellitus (250) .....	610	2.0	8	Pneumonia and influenza (480-487) .....	7,826	24.2
9	Human immunodeficiency virus infection (*042-*044) .....	510	1.7	9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	6,845	21.2
10	Pneumonia and influenza (480-487) .....	451	1.5	10	Certain conditions originating in the perinatal period (760-779) .....	4,561	14.1
...	All other causes (Residual) .....	5,890	19.7	...	All other causes (Residual) .....	58,146	180.0
White non-Hispanic, female, 45-64 years				Black non-Hispanic, both sexes, 1-4 years			
...	All causes .....	107,861	484.7	...	All causes .....	1,351	61.8
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	48,745	219.1	1	Accidents and adverse effects (E800-E949) .....	441	20.2
2	Diseases of heart (390-398,402,404-429) .....	20,804	93.5	...	Motor vehicle accidents (E810-E825) .....	172	7.9
3	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	5,323	23.9	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	269	12.3
4	Cerebrovascular diseases (430-438) .....	4,333	19.5	2	Homicide and legal intervention (E960-E978) .....	141	6.4
5	Accidents and adverse effects (E800-E949) .....	3,791	17.0	3	Congenital anomalies (740-759) .....	109	5.0
...	Motor vehicle accidents (E810-E825) .....	2,081	9.4	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	71	3.2
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,710	7.7	5	Diseases of heart (390-398,402,404-429) .....	63	2.9
6	Diabetes mellitus (250) .....	3,538	15.9	6	Pneumonia and influenza (480-487) .....	50	2.3
7	Chronic liver disease and cirrhosis (571) .....	2,136	9.6	7	Human immunodeficiency virus infection (*042-*044) .....	37	1.7
8	Pneumonia and influenza (480-487) .....	1,731	7.8	8	Certain conditions originating in the perinatal period (760-779) .....	33	1.5
9	Suicide (E950-E959) .....	1,685	7.6	9	Anemias (280-285) .....	28	1.3
10	Septicemia (038) .....	870	3.9	10	Septicemia (038) .....	21	1.0
...	All other causes (Residual) .....	14,905	67.0	...	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	21	1.0
White non-Hispanic, female, 65 years and over				Black non-Hispanic, both sexes, 5-14 years			
...	All causes .....	815,399	4,806.6	...	All causes .....	1,863	32.3
1	Diseases of heart (390-398,402,404-429) .....	289,660	1,707.5	1	Accidents and adverse effects (E800-E949) .....	739	12.8
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	158,171	932.4	...	Motor vehicle accidents (E810-E825) .....	366	6.3
3	Cerebrovascular diseases (430-438) .....	76,777	452.6	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	373	6.5
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	42,562	250.9	2	Homicide and legal intervention (E960-E978) .....	179	3.1
5	Pneumonia and influenza (480-487) .....	38,484	226.9	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	148	2.6
6	Diabetes mellitus (250) .....	20,177	118.9	4	Congenital anomalies (740-759) .....	95	1.6
7	Alzheimer's disease (331.0) .....	14,117	83.2	5	Diseases of heart (390-398,402,404-429) .....	83	1.4
8	Accidents and adverse effects (E800-E949) .....	13,972	82.4	6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	63	1.1
...	Motor vehicle accidents (E810-E825) .....	3,062	18.0	7	Human immunodeficiency virus infection (*042-*044) .....	59	1.0
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	10,910	64.3	8	Anemias (280-285) .....	40	0.7
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	9,289	54.8	8	Suicide (E950-E959) .....	40	0.7
10	Atherosclerosis (440) .....	8,806	51.9	10	Pneumonia and influenza (480-487) .....	32	0.6
...	All other causes (Residual) .....	143,384	845.2	...	All other causes (Residual) .....	385	6.7

See footnotes at end of table.



**Table 9. Deaths and death rates for the 10 leading causes of death in specified age groups, by sex and Hispanic origin and race for non-Hispanic population: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>				<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>			
Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>
<b>Black non-Hispanic, both sexes, 15-24 years</b>				<b>Black non-Hispanic, both sexes, 65 years and over</b>			
...	All causes .....	7,617	144.1	...	All causes .....	153,930	5,656.1
1	Homicide and legal intervention (E960-E978) .....	3,469	65.6	1	Diseases of heart (390-398,402,404-429) .....	52,649	1,934.6
2	Accidents and adverse effects (E800-E949) .....	1,658	31.4	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	36,851	1,354.1
...	Motor vehicle accidents (E810-E825) .....	1,205	22.8	3	Cerebrovascular diseases (430-438) .....	12,691	466.3
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	453	8.6	4	Diabetes mellitus (250) .....	7,149	262.7
3	Suicide (E950-E959) .....	503	9.5	5	Pneumonia and influenza (480-487) .....	5,709	209.8
4	Diseases of heart (390-398,402,404-429) .....	336	6.4	6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	4,819	177.1
5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	287	5.4	7	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	3,052	112.1
6	Human immunodeficiency virus infection (*042-*044) .....	173	3.3	8	Septicemia (038) .....	2,848	104.6
7	Congenital anomalies (740-759) .....	96	1.8	9	Accidents and adverse effects (E800-E949) .....	2,429	89.3
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	64	1.2	...	Motor vehicle accidents (E810-E825) .....	591	21.7
9	Pneumonia and influenza (480-487) .....	55	1.0	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,838	67.5
10	Anemias (280-285) .....	53	1.0	10	Hypertension with or without renal disease (401,403) .....	2,070	76.1
...	All other causes (Residual) .....	923	17.5	...	All other causes (Residual) .....	23,663	869.5
<b>Black non-Hispanic, both sexes, 25-44 years</b>				<b>Black non-Hispanic, male, all ages<sup>3</sup></b>			
...	All causes .....	32,860	320.1	...	All causes .....	142,241	930.4
1	Human immunodeficiency virus infection (*042-*044) .....	5,500	53.6	1	Diseases of heart (390-398,402,404-429) .....	36,739	240.3
2	Diseases of heart (390-398,402,404-429) .....	4,259	41.5	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	32,418	212.1
3	Accidents and adverse effects (E800-E949) .....	4,211	41.0	3	Accidents and adverse effects (E800-E949) .....	8,418	55.1
...	Motor vehicle accidents (E810-E825) .....	2,114	20.6	...	Motor vehicle accidents (E810-E825) .....	3,821	25.0
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,097	20.4	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	4,597	30.1
4	Homicide and legal intervention (E960-E978) .....	4,065	39.6	4	Cerebrovascular diseases (430-438) .....	7,726	50.5
5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	3,987	38.8	5	Homicide and legal intervention (E960-E978) .....	7,468	48.9
6	Cerebrovascular diseases (430-438) .....	1,120	10.9	6	Human immunodeficiency virus infection (*042-*044) .....	5,950	38.9
7	Suicide (E950-E959) .....	998	9.7	7	Diabetes mellitus (250) .....	4,399	28.8
8	Diabetes mellitus (250) .....	673	6.6	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	3,928	25.7
9	Pneumonia and influenza (480-487) .....	576	5.6	9	Pneumonia and influenza (480-487) .....	3,921	25.6
10	Chronic liver disease and cirrhosis (571) .....	554	5.4	10	Certain conditions originating in the perinatal period (760-779) .....	2,535	16.6
...	All other causes (Residual) .....	6,917	67.4	...	All other causes (Residual) .....	28,739	188.0
<b>Black non-Hispanic, both sexes, 45-64 years</b>				<b>Black non-Hispanic, male, 1-4 years</b>			
...	All causes .....	67,413	1,213.4	...	All causes .....	776	70.0
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	19,436	349.9	1	Accidents and adverse effects (E800-E949) .....	261	23.6
2	Diseases of heart (390-398,402,404-429) .....	18,726	337.1	...	Motor vehicle accidents (E810-E825) .....	101	9.1
3	Cerebrovascular diseases (430-438) .....	4,038	72.7	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	160	14.4
4	Diabetes mellitus (250) .....	3,155	56.8	2	Homicide and legal intervention (E960-E978) .....	80	7.2
5	Accidents and adverse effects (E800-E949) .....	2,736	49.2	3	Congenital anomalies (740-759) .....	58	5.2
...	Motor vehicle accidents (E810-E825) .....	1,084	19.5	4	Diseases of heart (390-398,402,404-429) .....	43	3.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,652	29.7	5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	41	3.7
6	Human immunodeficiency virus infection (*042-*044) .....	2,339	42.1	6	Pneumonia and influenza (480-487) .....	28	2.5
7	Chronic liver disease and cirrhosis (571) .....	1,567	28.2	7	Certain conditions originating in the perinatal period (760-779) .....	22	2.0
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	1,455	26.2	8	Anemias (280-285) .....	21	1.9
9	Pneumonia and influenza (480-487) .....	1,263	22.7	9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	18	*
10	Septicemia (038) .....	903	16.3	10	Cerebrovascular diseases (430-438) .....	14	*
...	All other causes (Residual) .....	11,795	212.3	10	Human immunodeficiency virus infection (*042-*044) .....	14	*
...				...	All other causes (Residual) .....	176	15.9

See footnotes at end of table.

**Table 9. Deaths and death rates for the 10 leading causes of death in specified age groups, by sex and Hispanic origin and race for non-Hispanic population: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>			<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>				
Rank <sup>1</sup>	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Number <sup>2</sup>	Rate <sup>2</sup>		
<b>Black non-Hispanic, male, 5-14 years</b>			<b>Black non-Hispanic, male, 45-64 years</b>				
...	All causes .....	1,061	36.3	...	All causes .....	39,753	1,609.6
1	Accidents and adverse effects (E800-E949) .....	450	15.4	1	Diseases of heart (390-398,402,404-429) .....	11,593	469.4
...	Motor vehicle accidents (E810-E825) .....	211	7.2	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	10,639	430.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	239	8.2	3	Cerebrovascular diseases (430-438) .....	2,245	90.9
2	Homicide and legal intervention (E960-E978) .....	117	4.0	4	Accidents and adverse effects (E800-E949) .....	1,950	79.0
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	76	2.6	...	Motor vehicle accidents (E810-E825) .....	735	29.8
4	Congenital anomalies (740-759) .....	45	1.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,215	49.2
5	Diseases of heart (390-398,402,404-429) .....	44	1.5	5	Human immunodeficiency virus infection (*042-*044) .....	1,784	72.2
6	Human immunodeficiency virus infection (*042-*044) .....	36	1.2	6	Diabetes mellitus (250) .....	1,471	59.6
7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	32	1.1	7	Chronic liver disease and cirrhosis (571) .....	1,089	44.1
8	Suicide (E950-E959) .....	28	1.0	8	Pneumonia and influenza (480-487) .....	799	32.4
9	Anemias (280-285) .....	19	*	9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	779	31.5
10	Pneumonia and influenza (480-487) .....	15	*	10	Homicide and legal intervention (E960-E978) .....	689	27.9
...	All other causes (Residual) .....	199	6.8	...	All other causes (Residual) .....	6,715	271.9
<b>Black non-Hispanic, male, 15-24 years</b>			<b>Black non-Hispanic, male, 65 years and over</b>				
...	All causes .....	5,923	223.8	...	All causes .....	69,216	6,522.2
1	Homicide and legal intervention (E960-E978) .....	3,107	117.4	1	Diseases of heart (390-398,402,404-429) .....	22,109	2,083.3
2	Accidents and adverse effects (E800-E949) .....	1,262	47.7	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	19,755	1,861.5
...	Motor vehicle accidents (E810-E825) .....	895	33.8	3	Cerebrovascular diseases (430-438) .....	4,867	458.6
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	367	13.9	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	2,848	268.4
3	Suicide (E950-E959) .....	440	16.6	5	Pneumonia and influenza (480-487) .....	2,641	248.9
4	Diseases of heart (390-398,402,404-429) .....	202	7.6	6	Diabetes mellitus (250) .....	2,508	236.3
5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	163	6.2	7	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	1,270	119.7
6	Human immunodeficiency virus infection (*042-*044) .....	76	2.9	8	Accidents and adverse effects (E800-E949) .....	1,264	119.1
7	Congenital anomalies (740-759) .....	55	2.1	...	Motor vehicle accidents (E810-E825) .....	349	32.9
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	41	1.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	915	86.2
9	Anemias (280-285) .....	29	1.1	9	Septicemia (038) .....	1,161	109.4
10	Pneumonia and influenza (480-487) .....	28	1.1	10	Hypertension with or without renal disease (401,403) .....	760	71.6
...	All other causes (Residual) .....	520	19.6	...	All other causes (Residual) .....	10,033	945.4
<b>Black non-Hispanic, male, 25-44 years</b>			<b>Black non-Hispanic, female, all ages<sup>3</sup></b>				
...	All causes .....	20,885	433.8	...	All causes .....	131,140	770.9
1	Human immunodeficiency virus infection (*042-*044) .....	3,862	80.2	1	Diseases of heart (390-398,402,404-429) .....	39,549	232.5
2	Homicide and legal intervention (E960-E978) .....	3,260	67.7	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	28,380	166.8
3	Accidents and adverse effects (E800-E949) .....	3,098	64.4	3	Cerebrovascular diseases (430-438) .....	10,276	60.4
...	Motor vehicle accidents (E810-E825) .....	1,508	31.3	4	Diabetes mellitus (250) .....	6,630	39.0
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,590	33.0	5	Accidents and adverse effects (E800-E949) .....	4,027	23.7
4	Diseases of heart (390-398,402,404-429) .....	2,658	55.2	...	Motor vehicle accidents (E810-E825) .....	1,751	10.3
5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	1,733	36.0	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,276	13.4
6	Suicide (E950-E959) .....	844	17.5	6	Pneumonia and influenza (480-487) .....	3,905	23.0
7	Cerebrovascular diseases (430-438) .....	521	10.8	7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	2,917	17.1
8	Diabetes mellitus (250) .....	394	8.2	8	Human immunodeficiency virus infection (*042-*044) .....	2,400	14.1
9	Pneumonia and influenza (480-487) .....	337	7.0	9	Septicemia (038) .....	2,350	13.8
9	Chronic liver disease and cirrhosis (571) .....	337	7.0	10	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	2,276	13.4
...	All other causes (Residual) .....	3,841	79.8	...	All other causes (Residual) .....	28,430	167.1

See footnotes at end of table.

**Table 9. Deaths and death rates for the 10 leading causes of death in specified age groups, by sex and Hispanic origin and race for non-Hispanic population: United States, 1997—Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes. Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>			<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), Hispanic origin and race for non-Hispanic population, sex, and age</i>				
Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>		Number <sup>2</sup>	Rate <sup>2</sup>
Black non-Hispanic, female, 1-4 years				Black non-Hispanic, female, 25-44 years			
...	All causes .....	575	53.3	...	All causes .....	11,975	219.6
1	Accidents and adverse effects (E800-E949) .....	180	16.7	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	2,254	41.3
...	Motor vehicle accidents (E810-E825) .....	71	6.6	2	Human immunodeficiency virus infection (*042-*044) .....	1,638	30.0
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	109	10.1	3	Diseases of heart (390-398,402,404-429) .....	1,601	29.4
2	Homicide and legal intervention (E960-E978) .....	61	5.7	4	Accidents and adverse effects (E800-E949) .....	1,113	20.4
3	Congenital anomalies (740-759) .....	51	4.7	...	Motor vehicle accidents (E810-E825) .....	606	11.1
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	30	2.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	507	9.3
5	Human immunodeficiency virus infection (*042-*044) .....	23	2.1	5	Homicide and legal intervention (E960-E978) .....	805	14.8
6	Pneumonia and influenza (480-487) .....	22	2.0	6	Cerebrovascular diseases (430-438) .....	599	11.0
7	Diseases of heart (390-398,402,404-429) .....	20	1.9	7	Diabetes mellitus (250) .....	279	5.1
8	Septicemia (038) .....	13	*	8	Pneumonia and influenza (480-487) .....	239	4.4
9	Certain conditions originating in the perinatal period (760-779) .....	11	*	9	Chronic liver disease and cirrhosis (571) .....	217	4.0
10	Anemias (280-285) .....	7	*	10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	207	3.8
...	All other causes (Residual) .....	157	14.6	...	All other causes (Residual) .....	3,023	55.4
Black non-Hispanic, female, 5-14 years				Black non-Hispanic, female, 45-64 years			
...	All causes .....	802	28.2	...	All causes .....	27,660	896.4
1	Accidents and adverse effects (E800-E949) .....	289	10.2	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	8,797	285.1
...	Motor vehicle accidents (E810-E825) .....	155	5.5	2	Diseases of heart (390-398,402,404-429) .....	7,133	231.2
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	134	4.7	3	Cerebrovascular diseases (430-438) .....	1,793	58.1
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	72	2.5	4	Diabetes mellitus (250) .....	1,684	54.6
3	Homicide and legal intervention (E960-E978) .....	62	2.2	5	Accidents and adverse effects (E800-E949) .....	786	25.5
4	Congenital anomalies (740-759) .....	50	1.8	...	Motor vehicle accidents (E810-E825) .....	349	11.3
5	Diseases of heart (390-398,402,404-429) .....	39	1.4	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	437	14.2
6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	31	1.1	6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	676	21.9
7	Human immunodeficiency virus infection (*042-*044) .....	23	0.8	7	Human immunodeficiency virus infection (*042-*044) .....	555	18.0
8	Anemias (280-285) .....	21	0.7	8	Chronic liver disease and cirrhosis (571) .....	478	15.5
9	Pneumonia and influenza (480-487) .....	17	*	9	Pneumonia and influenza (480-487) .....	464	15.0
10	Suicide (E950-E959) .....	12	*	10	Septicemia (038) .....	434	14.1
...	All other causes (Residual) .....	186	6.5	...	All other causes (Residual) .....	4,860	157.5
Black non-Hispanic, female, 15-24 years				Black non-Hispanic, female, 65 years and over			
...	All causes .....	1,694	64.2	...	All causes .....	84,714	5,102.4
1	Accidents and adverse effects (E800-E949) .....	396	15.0	1	Diseases of heart (390-398,402,404-429) .....	30,540	1,839.5
...	Motor vehicle accidents (E810-E825) .....	310	11.8	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	17,096	1,029.7
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	86	3.3	3	Cerebrovascular diseases (430-438) .....	7,824	471.2
2	Homicide and legal intervention (E960-E978) .....	362	13.7	4	Diabetes mellitus (250) .....	4,641	279.5
3	Diseases of heart (390-398,402,404-429) .....	134	5.1	5	Pneumonia and influenza (480-487) .....	3,068	184.8
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	124	4.7	6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	1,971	118.7
5	Human immunodeficiency virus infection (*042-*044) .....	97	3.7	7	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	1,782	107.3
6	Suicide (E950-E959) .....	63	2.4	8	Septicemia (038) .....	1,687	101.6
7	Congenital anomalies (740-759) .....	41	1.6	9	Hypertension with or without renal disease (401,403) .....	1,310	78.9
8	Complications of pregnancy, childbirth, and the puerperium (630-676) .....	36	1.4	10	Accidents and adverse effects (E800-E949) .....	1,165	70.2
9	Pneumonia and influenza (480-487) .....	27	1.0	...	Motor vehicle accidents (E810-E825) .....	242	14.6
10	Anemias (280-285) .....	24	0.9	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	923	55.6
...	All other causes (Residual) .....	390	14.8	...	All other causes (Residual) .....	13,630	821.0

... Category not applicable.

\* Figure does not meet standards of reliability or precision; see Technical notes.

<sup>1</sup>Rank based on number of deaths; see Technical notes.

<sup>2</sup>Figures for age not stated are included in "All ages" but not distributed among age groups.

<sup>3</sup>Includes deaths for "Under 1 year."

<sup>4</sup>Includes races other than white and black.

**Table 10. Number of deaths from 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by age: United States, 1997**

[For explanation of asterisks preceding cause-of-death categories, see Technical notes]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)</i>	<i>All ages</i>	<i>Under 1 year</i>	<i>1-4 years</i>	<i>5-14 years</i>	<i>15-24 years</i>	<i>25-34 years</i>	<i>35-44 years</i>	<i>45-54 years</i>	<i>55-64 years</i>	<i>65-74 years</i>	<i>75-84 years</i>	<i>85 years and over</i>	<i>Not stated</i>
All causes .....	2,314,245	28,045	5,501	8,061	31,544	45,538	89,408	144,882	231,993	464,274	670,530	594,068	401
Shigellosis and amebiasis (004,006) .....	6	-	-	1	-	1	-	-	-	1	1	2	-
Certain other intestinal infections (007-009) .....	1,023	200	20	6	2	9	22	26	40	138	301	259	-
Tuberculosis (010-018) .....	1,166	-	4	1	14	36	81	125	157	234	353	161	-
Tuberculosis of respiratory system (010-012) .....	875	-	2	1	5	23	57	88	112	176	275	136	-
Other tuberculosis (013-018) .....	291	-	2	-	9	13	24	37	45	58	78	25	-
Whooping cough (033) .....	6	6	-	-	-	-	-	-	-	-	-	-	-
Streptococcal sore throat, scarlatina, and erysipelas (034-035) .....	8	-	1	-	1	-	-	1	-	-	1	4	-
Meningococcal infection (036) .....	309	46	45	34	66	20	23	20	15	14	12	14	-
Septicemia (038) .....	22,396	196	73	52	86	235	634	1,188	1,852	4,179	7,026	6,874	1
Acute poliomyelitis (045) .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (055) .....	2	-	-	1	-	-	-	1	-	-	-	-	-
Viral hepatitis (070) .....	4,057	3	1	8	24	109	734	952	639	810	617	160	-
Syphilis (090-097) .....	62	4	-	-	1	2	5	5	5	14	19	7	-
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044,046-054,056-066,071-088,098-139) .....	23,336	266	149	189	413	4,314	7,790	4,334	2,005	1,631	1,513	726	6
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	539,577	91	438	1,030	1,645	4,607	17,099	45,429	86,314	156,746	156,291	69,876	11
Malignant neoplasms of lip, oral cavity, and pharynx (140-149) .....	7,894	-	-	6	24	65	326	1,062	1,635	2,302	1,689	784	1
Malignant neoplasms of digestive organs and peritoneum (150-159) .....	127,054	7	21	16	109	649	3,135	9,770	19,145	35,379	38,647	20,171	5
Malignant neoplasms of respiratory and intrathoracic organs (160-165) .....	158,465	2	3	2	38	275	2,881	12,160	30,481	56,311	44,378	11,932	2
Malignant neoplasm of breast (174-175) .....	42,297	-	-	-	11	521	3,097	6,531	7,438	9,731	9,453	5,515	-
Malignant neoplasms of genital organs (179-187) .....	59,010	1	3	5	89	531	1,533	3,382	6,257	14,875	20,562	11,769	3
Malignant neoplasms of urinary organs (188-189) .....	23,395	6	18	33	18	63	457	1,667	3,241	6,310	7,559	4,023	-
Malignant neoplasms of all other and unspecified sites (170-173,190-199) .....	65,627	40	253	529	655	1,287	3,369	6,661	10,668	17,080	17,011	8,074	-
Leukemia (204-208) .....	20,313	32	134	366	450	515	843	1,404	2,424	5,059	5,999	3,087	-
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203) .....	35,522	3	6	73	251	701	1,458	2,792	5,025	9,699	10,993	4,521	-
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	7,659	63	65	76	115	187	316	503	726	1,517	2,353	1,738	-
Diabetes mellitus (250) .....	62,636	2	3	28	129	620	1,858	4,335	8,370	16,311	19,592	11,386	2
Nutritional deficiencies (260-269) .....	3,928	11	1	4	6	11	48	70	127	367	1,091	2,192	-
Anemias (280-285) .....	4,471	25	40	63	85	134	204	190	221	564	1,258	1,687	-
Meningitis (320-322) .....	781	97	44	33	23	56	85	87	85	99	119	53	-
Major cardiovascular diseases (390-448) .....	944,148	903	277	413	1,373	4,241	16,835	42,772	79,620	175,533	300,731	321,375	75
Diseases of heart (390-398,402,404-429) .....	726,974	622	212	313	1,098	3,286	13,227	35,277	65,958	139,416	227,516	239,981	68
Rheumatic fever and rheumatic heart disease (390-398) .....	5,014	3	4	5	43	93	210	353	538	1,124	1,602	1,039	-
Hypertensive heart disease (402) .....	26,607	2	-	1	28	178	953	2,270	2,985	4,832	7,054	8,298	6
Hypertensive heart and renal disease (404) .....	2,424	-	-	2	3	22	49	83	171	402	832	860	-
Ischemic heart disease (410-414) .....	466,101	21	4	19	123	1,006	6,426	20,901	42,080	93,302	151,185	151,002	32
Acute myocardial infarction (410) .....	206,212	13	2	13	66	514	3,423	11,625	22,813	45,965	67,261	54,501	16
Other acute and subacute forms of ischemic heart disease (411) .....	3,046	-	-	-	4	16	99	314	456	642	724	787	4
Angina pectoris (413) .....	735	-	-	-	-	1	5	20	47	119	223	320	-
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414) .....	256,108	8	2	6	53	475	2,899	8,942	18,764	46,576	82,977	95,394	12
Other diseases of endocardium (424) .....	17,661	5	12	14	44	111	297	500	871	2,406	5,953	7,447	1
All other forms of heart disease (415-423,425-429) .....	209,167	591	192	272	857	1,876	5,292	11,170	19,313	37,350	60,890	71,335	29

See footnotes at end of table.

**Table 10. Number of deaths from 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by age: United States, 1997 - Con.**

[For explanation of asterisks preceding cause-of-death categories, see Technical notes]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)</i>	<i>All ages</i>	<i>Under 1 year</i>	<i>1-4 years</i>	<i>5-14 years</i>	<i>15-24 years</i>	<i>25-34 years</i>	<i>35-44 years</i>	<i>45-54 years</i>	<i>55-64 years</i>	<i>65-74 years</i>	<i>75-84 years</i>	<i>85 years and over</i>	<i>Not stated</i>
Hypertension with or without renal disease (401,403) ...	13,534	5	1	4	8	59	240	586	1,003	2,416	4,467	4,744	1
Cerebrovascular diseases (430-438) .....	159,791	264	56	76	188	678	2,787	5,695	9,676	24,944	54,076	61,346	5
Intracerebral and other intracranial hemorrhage (431-432) .....	25,858	30	10	30	74	265	1,141	2,327	2,980	5,720	8,443	4,837	1
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) .....	12,045	25	8	4	12	35	138	307	630	1,777	4,082	5,027	-
Cerebral embolism (434.1) .....	617	-	-	-	-	8	9	17	50	131	225	177	-
All other and late effects of cerebrovascular diseases (430,433,435-438) .....	121,271	209	38	42	102	370	1,499	3,044	6,016	17,316	41,326	51,305	4
Atherosclerosis (440) .....	16,057	-	1	-	-	5	49	208	520	1,805	4,738	8,730	1
Other diseases of arteries, arterioles, and capillaries (441-448) .....	27,792	12	7	20	79	213	532	1,006	2,463	6,952	9,934	6,574	-
Acute bronchitis and bronchiolitis (466) .....	465	67	20	8	1	2	16	11	21	56	110	153	-
Pneumonia and influenza (480-487) .....	86,449	421	180	141	220	534	1,394	2,233	3,759	10,535	27,358	39,668	6
Pneumonia (480-486) .....	85,729	409	170	128	216	527	1,376	2,215	3,728	10,457	27,196	39,301	6
Influenza (487) .....	720	12	10	13	4	7	18	18	31	78	162	367	-
Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	109,029	50	41	129	201	357	886	2,838	10,109	30,569	42,090	21,752	7
Bronchitis, chronic and unspecified (490-491) .....	3,055	39	10	6	12	13	39	98	244	720	1,046	828	-
Emphysema (492) .....	17,518	2	-	1	-	11	91	456	1,958	5,897	6,698	2,402	2
Asthma (493) .....	5,434	5	30	119	174	298	489	636	757	992	1,183	751	-
Other chronic obstructive pulmonary diseases and allied conditions (494-496) .....	83,022	4	1	3	15	35	267	1,648	7,150	22,960	33,163	17,771	5
Ulcer of stomach and duodenum (531-533) .....	5,115	8	-	5	11	24	133	285	427	939	1,623	1,658	2
Appendicitis (540-543) .....	395	3	2	18	9	15	24	32	47	87	88	70	-
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	6,498	77	15	17	20	37	104	187	316	894	2,112	2,719	-
Chronic liver disease and cirrhosis (571) .....	25,175	15	4	2	25	516	3,508	5,622	5,253	5,804	3,538	884	4
Cholelithiasis and other disorders of gallbladder (574-575) .....	2,757	1	2	1	9	22	53	102	177	505	921	964	-
Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	25,331	136	11	18	53	179	448	867	1,832	4,729	8,620	8,438	-
Acute glomerulonephritis and nephrotic syndrome (580-581) .....	324	8	-	3	3	7	9	16	26	51	109	92	-
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) .....	1,652	4	-	5	13	33	62	79	115	299	543	499	-
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589) .....	23,355	124	11	10	37	139	377	772	1,691	4,379	7,968	7,847	-
Infections of kidney (590) .....	831	1	2	-	4	11	21	42	52	127	256	315	-
Hyperplasia of prostate (600) .....	420	-	-	-	-	-	-	4	11	33	154	218	-
Complications of pregnancy, childbirth, and the puerperium (630-676) .....	327	...	...	3	87	158	74	5	...	...	...	...	-
Pregnancy with abortive outcome (630-638) .....	41	...	...	1	12	19	9	-	...	...	...	...	-
Other complications of pregnancy, childbirth, and the puerperium (640-676) .....	286	...	...	2	75	139	65	5	...	...	...	...	-
Congenital anomalies (740-759) .....	11,912	6,178	589	447	420	454	534	538	501	654	952	643	2
Certain conditions originating in the perinatal period (760-779) .....	13,092	12,935	75	37	18	7	6	4	1	6	-	1	2
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769) .....	1,990	1,938	23	13	8	3	3	1	-	1	-	-	-
Other conditions originating in the perinatal period (760-766,770-779) .....	11,102	10,997	52	24	10	4	3	3	1	5	-	1	2
Symptoms, signs, and ill-defined conditions (780-799) ..	25,752	3,773	241	171	651	1,147	2,054	1,879	1,825	2,880	4,463	6,590	78
All other diseases (Residual) .....	235,435	1,328	738	942	1,773	3,432	8,183	12,329	16,358	36,388	72,176	81,768	20

See footnotes at end of table.

**Table 10. Number of deaths from 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by age: United States, 1997 - Con.**

[For explanation of asterisks preceding cause-of-death categories, see Technical notes]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)</i>	<i>All ages</i>	<i>Under 1 year</i>	<i>1-4 years</i>	<i>5-14 years</i>	<i>15-24 years</i>	<i>25-34 years</i>	<i>35-44 years</i>	<i>45-54 years</i>	<i>55-64 years</i>	<i>65-74 years</i>	<i>75-84 years</i>	<i>85 years and over</i>	<i>Not stated</i>
Accidents and adverse effects (E800-E949) .....	95,644	765	2,005	3,371	13,367	12,598	14,531	10,416	7,105	8,578	12,105	10,703	100
Motor vehicle accidents (E810-E825) .....	43,458	165	768	1,967	10,208	7,500	6,667	4,805	3,329	3,370	3,392	1,265	22
All other accidents and adverse effects (E800-E807,E826-E949) .....	52,186	600	1,237	1,404	3,159	5,098	7,864	5,611	3,776	5,208	8,713	9,438	78
Suicide (E950-E959) .....	30,535	..	..	307	4,186	5,672	6,730	4,948	2,946	2,663	2,260	805	18
Homicide and legal intervention (E960-E978) .....	19,846	317	375	457	6,146	5,075	3,677	1,869	853	545	335	149	48
All other external causes (E980-E999) .....	3,666	57	40	48	360	716	1,298	633	224	124	91	56	19
Human immunodeficiency virus infection <sup>1</sup> (*042-*044) ..	16,516	19	54	102	276	3,993	7,073	3,513	1,065	336	72	7	6
Alzheimer's disease <sup>2</sup> (331.0) .....	22,475	-	1	-	1	1	6	45	266	1,994	8,576	11,584	1

- Quantity zero.

.. Category not applicable.

<sup>1</sup> Included in "All other infectious and parasitic diseases" shown above.

<sup>2</sup> Included in "All other diseases (Residual)" category shown above.

NOTE: For a small number of deaths considered to be of public health concern, selected causes of death could not be confirmed by the State of California; see Technical notes.

**Table 11. Death rates for 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by age: United States, 1997**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)</i>	<i>All ages</i> <sup>1</sup>	<i>Under 1 year</i> <sup>2</sup>	<i>1-4 years</i>	<i>5-14 years</i>	<i>15-24 years</i>	<i>25-34 years</i>	<i>35-44 years</i>	<i>45-54 years</i>	<i>55-64 years</i>	<i>65-74 years</i>	<i>75-84 years</i>	<i>85 years and over</i>
All causes .....	864.7	738.7	35.8	20.8	86.2	115.0	203.2	430.8	1,063.6	2,509.8	5,728.2	13,345.2
Shigellosis and amebiasis (004,006) .....	*	*	*	*	*	*	*	*	*	*	*	*
Certain other intestinal infections (007-009) .....	0.4	5.3	0.1	*	*	*	0.1	0.1	0.2	0.7	2.6	6.7
Tuberculosis (010-018) .....	0.4	*	*	*	*	0.1	0.2	0.4	0.7	1.3	3.0	4.2
Tuberculosis of respiratory system (010-012) .....	0.3	*	*	*	*	0.1	0.1	0.3	0.5	1.0	2.3	3.5
Other tuberculosis (013-018) .....	0.1	*	*	*	*	*	0.1	0.1	0.2	0.3	0.7	0.6
Whooping cough (033) .....	*	*	*	*	*	*	*	*	*	*	*	*
Streptococcal sore throat, scarlatina, and erysipelas (034-035) .....	*	*	*	*	*	*	*	*	*	*	*	*
Meningococcal infection (036) .....	0.1	1.2	0.3	0.1	0.2	0.1	0.1	0.1	*	*	*	*
Septicemia (038) .....	8.4	5.2	0.5	0.1	0.2	0.6	1.4	3.5	8.5	22.6	60.0	177.6
Acute poliomyelitis (045) .....	*	*	*	*	*	*	*	*	*	*	*	*
Measles (055) .....	*	*	*	*	*	*	*	*	*	*	*	*
Viral hepatitis (070) .....	1.5	*	*	*	0.1	0.3	1.7	2.8	2.9	4.4	5.3	4.1
Syphilis (090-097) .....	0.0	*	*	*	*	*	*	*	*	*	*	*
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044,046-054,056-066,071-088,098-139) .....	8.7	7.0	1.0	0.5	1.1	10.9	17.7	12.9	9.2	8.8	12.9	18.8
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	201.6	2.4	2.9	2.7	4.5	11.6	38.9	135.1	395.7	847.3	1,335.2	1,805.0
Malignant neoplasms of lip, oral cavity, and pharynx (140-149) .....	2.9	*	*	*	0.1	0.2	0.7	3.2	7.5	12.4	14.4	20.3
Malignant neoplasms of digestive organs and peritoneum (150-159) .....	47.5	*	0.1	*	0.3	1.6	7.1	29.0	87.8	191.3	330.2	521.0
Malignant neoplasms of respiratory and intrathoracic organs (160-165) .....	59.2	*	*	*	0.1	0.7	6.5	36.2	139.7	304.4	379.1	308.2
Malignant neoplasm of breast (174-175) .....	15.8	*	*	*	*	1.3	7.0	19.4	34.1	52.6	80.8	142.5
Malignant neoplasms of genital organs (179-187) .....	22.0	*	*	*	0.2	1.3	3.5	10.1	28.7	80.4	175.7	304.0
Malignant neoplasms of urinary organs (188-189) .....	8.7	*	*	0.1	*	0.2	1.0	5.0	14.9	34.1	64.6	103.9
Malignant neoplasms of all other and unspecified sites (170-173,190-199) .....	24.5	1.1	1.6	1.4	1.8	3.2	7.7	19.8	48.9	92.3	145.3	208.6
Leukemia (204-208) .....	7.6	0.8	0.9	0.9	1.2	1.3	1.9	4.2	11.1	27.3	51.2	79.7
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203) .....	13.3	*	*	0.2	0.7	1.8	3.3	8.3	23.0	52.4	93.9	116.8
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	2.9	1.7	0.4	0.2	0.3	0.5	0.7	1.5	3.3	8.2	20.1	44.9
Diabetes mellitus (250) .....	23.4	*	*	0.1	0.4	1.6	4.2	12.9	38.4	88.2	167.4	294.1
Nutritional deficiencies (260-269) .....	1.5	*	*	*	*	*	0.1	0.2	0.6	2.0	9.3	56.6
Anemias (280-285) .....	1.7	0.7	0.3	0.2	0.2	0.3	0.5	0.6	1.0	3.0	10.7	43.6
Meningitis (320-322) .....	0.3	2.6	0.3	0.1	0.1	0.1	0.2	0.3	0.4	0.5	1.0	1.4
Major cardiovascular diseases (390-448) .....	352.8	23.8	1.8	1.1	3.8	10.7	38.3	127.2	365.0	948.9	2,569.1	8,301.4
Diseases of heart (390-398,402,404-429) .....	271.6	16.4	1.4	0.8	3.0	8.3	30.1	104.9	302.4	753.7	1,943.6	6,198.9
Rheumatic fever and rheumatic heart disease (390-398) .....	1.9	*	*	*	0.1	0.2	0.5	1.0	2.5	6.1	13.7	26.8
Hypertensive heart disease (402) .....	9.9	*	*	*	0.1	0.4	2.2	6.7	13.7	26.1	60.3	214.3
Hypertensive heart and renal disease (404) .....	0.9	*	*	*	*	0.1	0.1	0.2	0.8	2.2	7.1	22.2
Ischemic heart disease (410-414) .....	174.2	0.6	*	*	0.3	2.5	14.6	62.1	192.9	504.4	1,291.5	3,900.5
Acute myocardial infarction (410) .....	77.0	*	*	*	0.2	1.3	7.8	34.6	104.6	248.5	574.6	1,407.8
Other acute and subacute forms of ischemic heart disease (411) .....	1.1	*	*	*	*	*	0.2	0.9	2.1	3.5	6.2	20.3
Angina pectoris (413) .....	0.3	*	*	*	*	*	*	0.1	0.2	0.6	1.9	8.3
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414) .....	95.7	*	*	*	0.1	1.2	6.6	26.6	86.0	251.8	708.9	2,464.1
Other diseases of endocardium (424) .....	6.6	*	*	*	0.1	0.3	0.7	1.5	4.0	13.0	50.9	192.4
All other forms of heart disease (415-423,425-429) .....	78.2	15.6	1.3	0.7	2.3	4.7	12.0	33.2	88.5	201.9	520.2	1,842.6

See footnotes at end of table.

**Table 11. Death rates for 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by age: United States, 1997 - Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)</i>	<i>All ages</i> <sup>1</sup>	<i>Under 1 year</i> <sup>2</sup>	<i>1-4 years</i>	<i>5-14 years</i>	<i>15-24 years</i>	<i>25-34 years</i>	<i>35-44 years</i>	<i>45-54 years</i>	<i>55-64 years</i>	<i>65-74 years</i>	<i>75-84 years</i>	<i>85 years and over</i>
Hypertension with or without renal disease (401,403) ...	5.1	*	*	*	*	0.1	0.5	1.7	4.6	13.1	38.2	122.5
Cerebrovascular diseases (430-438) .....	59.7	7.0	0.4	0.2	0.5	1.7	6.3	16.9	44.4	134.8	462.0	1,584.6
Intracerebral and other intracranial hemorrhage (431-432) .....	9.7	0.8	*	0.1	0.2	0.7	2.6	6.9	13.7	30.9	72.1	124.9
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) .....	4.5	0.7	*	*	*	0.1	0.3	0.9	2.9	9.6	34.9	129.9
Cerebral embolism (434.1) .....	0.2	*	*	*	*	*	*	*	0.2	0.7	1.9	4.6
All other and late effects of cerebrovascular diseases (430,433,435-438) .....	45.3	5.5	0.2	0.1	0.3	0.9	3.4	9.1	27.6	93.6	353.0	1,325.2
Atherosclerosis (440) .....	6.0	*	*	*	*	*	0.1	0.6	2.4	9.8	40.5	225.5
Other diseases of arteries, arterioles, and capillaries (441-448) .....	10.4	*	*	0.1	0.2	0.5	1.2	3.0	11.3	37.6	84.9	169.8
Acute bronchitis and bronchiolitis (466) .....	0.2	1.8	0.1	*	*	*	*	*	0.1	0.3	0.9	4.0
Pneumonia and influenza (480-487) .....	32.3	11.1	1.2	0.4	0.6	1.3	3.2	6.6	17.2	57.0	233.7	1,024.7
Pneumonia (480-486) .....	32.0	10.8	1.1	0.3	0.6	1.3	3.1	6.6	17.1	56.5	232.3	1,015.2
Influenza (487) .....	0.3	*	*	*	*	*	*	*	0.1	0.4	1.4	9.5
Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	40.7	1.3	0.3	0.3	0.5	0.9	2.0	8.4	46.3	165.3	359.6	561.9
Bronchitis, chronic and unspecified (490-491) .....	1.1	1.0	*	*	*	*	0.1	0.3	1.1	3.9	8.9	21.4
Emphysema (492) .....	6.5	*	*	*	*	*	0.2	1.4	9.0	31.9	57.2	62.0
Asthma (493) .....	2.0	*	0.2	0.3	0.5	0.8	1.1	1.9	3.5	5.4	10.1	19.4
Other chronic obstructive pulmonary diseases and allied conditions (494-496) .....	31.0	*	*	*	*	0.1	0.6	4.9	32.8	124.1	283.3	459.0
Ulcer of stomach and duodenum (531-533) .....	1.9	*	*	*	*	0.1	0.3	0.8	2.0	5.1	13.9	42.8
Appendicitis (540-543) .....	0.1	*	*	*	*	*	0.1	0.1	0.2	0.5	0.8	1.8
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	2.4	2.0	*	*	0.1	0.1	0.2	0.6	1.4	4.8	18.0	70.2
Chronic liver disease and cirrhosis (571) .....	9.4	*	*	*	0.1	1.3	8.0	16.7	24.1	31.4	30.2	22.8
Cholelithiasis and other disorders of gallbladder (574-575) .....	1.0	*	*	*	*	0.1	0.1	0.3	0.8	2.7	7.9	24.9
Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	9.5	3.6	*	*	0.1	0.5	1.0	2.6	8.4	25.6	73.6	218.0
Acute glomerulonephritis and nephrotic syndrome (580-581) .....	0.1	*	*	*	*	*	*	*	0.1	0.3	0.9	2.4
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) .....	0.6	*	*	*	*	0.1	0.1	0.2	0.5	1.6	4.6	12.9
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589) .....	8.7	3.3	*	*	0.1	0.4	0.9	2.3	7.8	23.7	68.1	202.7
Infections of kidney (590) .....	0.3	*	*	*	*	*	0.0	0.1	0.2	0.7	2.2	8.1
Hyperplasia of prostate (600) .....	0.2	*	*	*	*	*	*	*	*	0.2	1.3	5.6
Complications of pregnancy, childbirth, and the puerperium (630-676) .....	0.1	...	...	*	0.2	0.4	0.2	*	...	...	...	...
Pregnancy with abortive outcome (630-638) .....	0.0	...	...	*	*	*	*	*	...	...	...	...
Other complications of pregnancy, childbirth, and the puerperium (640-676) .....	0.1	...	...	*	0.2	0.4	0.1	*	...	...	...	...
Congenital anomalies (740-759) .....	4.5	162.7	3.8	1.2	1.1	1.1	1.2	1.6	2.3	3.5	8.1	16.6
Certain conditions originating in the perinatal period (760-779) .....	4.9	340.7	0.5	0.1	*	*	*	*	*	*	*	*
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769) .....	0.7	51.0	0.1	*	*	*	*	*	*	*	*	*
Other conditions originating in the perinatal period (760-766,770-779) .....	4.1	289.7	0.3	0.1	*	*	*	*	*	*	*	*
Symptoms, signs, and ill-defined conditions (780-799) ..	9.6	99.4	1.6	0.4	1.8	2.9	4.7	5.6	8.4	15.6	38.1	170.2
All other diseases (Residual) .....	88.0	35.0	4.8	2.4	4.8	8.7	18.6	36.7	75.0	196.7	616.6	2,112.1

See footnotes at end of table.



**Table 11. Death rates for 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by age: United States, 1997 - Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)</i>	<i>All ages</i> <sup>1</sup>	<i>Under 1 year</i> <sup>2</sup>	<i>1-4 years</i>	<i>5-14 years</i>	<i>15-24 years</i>	<i>25-34 years</i>	<i>35-44 years</i>	<i>45-54 years</i>	<i>55-64 years</i>	<i>65-74 years</i>	<i>75-84 years</i>	<i>85 years and over</i>
Accidents and adverse effects (E800-E949) .....	35.7	20.1	13.1	8.7	36.5	31.8	33.0	31.0	32.6	46.4	103.4	276.5
Motor vehicle accidents (E810-E825) .....	16.2	4.3	5.0	5.1	27.9	18.9	15.2	14.3	15.3	18.2	29.0	32.7
All other accidents and adverse effects (E800-E807,E826-E949) .....	19.5	15.8	8.1	3.6	8.6	12.9	17.9	16.7	17.3	28.2	74.4	243.8
Suicide (E950-E959) .....	11.4	*	*	0.8	11.4	14.3	15.3	14.7	13.5	14.4	19.3	20.8
Homicide and legal intervention (E960-E978) .....	7.4	8.3	2.4	1.2	16.8	12.8	8.4	5.6	3.9	2.9	2.9	3.8
All other external causes (E980-E999) .....	1.4	1.5	0.3	0.1	1.0	1.8	3.0	1.9	1.0	0.7	0.8	1.4
Human immunodeficiency virus infection <sup>3</sup> (*042-*044) ..	6.2	*	0.4	0.3	0.8	10.1	16.1	10.4	4.9	1.8	0.6	*
Alzheimer's disease <sup>4</sup> (331.0) .....	8.4	*	*	*	*	*	*	0.1	1.2	10.8	73.3	299.2

\* Figure does not meet standards of reliability or precision, see Technical notes.

0.0 Quantity more than zero but less than 0.05.

.. Category not applicable.

<sup>1</sup> Figures for age not stated included in "All ages" but not distributed among age groups.

<sup>2</sup> Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see Technical notes.

<sup>3</sup> Included in "All other infectious and parasitic diseases" shown above.

<sup>4</sup> Included in "All other diseases (Residual)" category shown above.

NOTE: For a small number of deaths considered to be of public health concern, selected causes of death could not be confirmed by the State of California; see Technical notes.

**Table 12. Number of deaths from 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by race and sex: United States, 1997**

[For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	All races						All other					
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All causes .....	2,314,245	1,154,039	1,160,206	1,996,393	986,884	1,009,509	317,852	167,155	150,697	276,520	144,110	132,410
Shigellosis and amebiasis (004.006) .....	6	1	5	6	1	5	-	-	-	-	-	-
Certain other intestinal infections (007-009) .....	1,023	435	588	850	343	507	173	92	81	154	81	73
Tuberculosis (010-018) .....	1,166	662	504	695	380	315	471	282	189	342	204	138
Tuberculosis of respiratory system (010-012) .....	875	537	338	532	309	223	343	228	115	250	165	85
Other tuberculosis (013-018) .....	291	125	166	163	71	92	128	54	74	92	39	53
Whooping cough (033) .....	6	3	3	4	2	2	2	1	1	1	-	1
Streptococcal sore throat, scarlatina, and erysipelas (034-035) .....	8	2	6	8	2	6	-	-	-	-	-	-
Meningococcal infection (036) .....	309	152	157	236	111	125	73	41	32	63	35	28
Septicemia (038) .....	22,396	9,655	12,741	17,832	7,633	10,199	4,564	2,022	2,542	4,241	1,871	2,370
Acute poliomyelitis (045) .....	-	-	-	-	-	-	-	-	-	-	-	-
Measles (055) .....	2	-	2	2	-	2	-	-	-	-	-	-
Viral hepatitis (070) .....	4,057	2,442	1,615	3,250	1,988	1,262	807	454	353	535	311	224
Syphilis (090-097) .....	62	39	23	37	20	17	25	19	6	24	18	6
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044,046-054,056-066,071-088,098-139) .....	23,336	16,338	6,998	13,010	9,323	3,687	10,326	7,015	3,311	9,980	6,778	3,202
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	539,577	281,110	258,467	468,521	243,192	225,329	71,056	37,918	33,138	61,333	32,719	28,614
Malignant neoplasms of lip, oral cavity, and pharynx (140-149) .....	7,894	5,201	2,693	6,510	4,193	2,317	1,384	1,008	376	1,165	851	314
Malignant neoplasms of digestive organs and peritoneum (150-159) .....	127,054	67,758	59,296	107,756	57,437	50,319	19,298	10,321	8,977	15,883	8,336	7,547
Malignant neoplasms of respiratory and intrathoracic organs (160-165) .....	158,465	95,255	63,210	139,272	82,786	56,486	19,193	12,469	6,724	16,879	11,018	5,861
Malignant neoplasm of breast (174-175) .....	42,297	354	41,943	36,194	293	35,901	6,103	61	6,042	5,483	59	5,424
Malignant neoplasms of genital organs (179-187) .....	59,010	33,481	25,529	49,481	27,574	21,907	9,529	5,907	3,622	8,668	5,524	3,144
Malignant neoplasms of urinary organs (188-189) .....	23,395	14,837	8,558	21,143	13,534	7,609	2,252	1,303	949	1,943	1,104	839
Malignant neoplasms of all other and unspecified sites (170-173,190-199) .....	65,627	34,470	31,157	58,396	30,843	27,553	7,231	3,627	3,604	6,184	3,134	3,050
Leukemia (204-208) .....	20,313	11,265	9,048	18,283	10,171	8,112	2,030	1,094	936	1,673	905	768
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203) .....	35,522	18,489	17,033	31,486	16,361	15,125	4,036	2,128	1,908	3,455	1,788	1,667
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	7,659	3,366	4,293	6,682	2,926	3,756	977	440	537	861	376	485
Diabetes mellitus (250) .....	62,636	28,187	34,449	49,850	22,968	26,882	12,786	5,219	7,567	11,130	4,440	6,690
Nutritional deficiencies (260-269) .....	3,928	1,213	2,715	3,447	1,003	2,444	481	210	271	429	185	244
Anemias (280-285) .....	4,471	1,805	2,666	3,473	1,353	2,120	998	452	546	927	423	504
Meningitis (320-322) .....	781	403	378	546	275	271	235	128	107	204	112	92
Major cardiovascular diseases (390-448) .....	944,148	445,709	498,439	827,466	389,678	437,788	116,682	56,031	60,651	101,981	47,943	54,038
Diseases of heart (390-398,402,404-429) .....	726,974	356,598	370,376	639,225	313,316	325,909	87,749	43,282	44,467	77,174	37,212	39,962
Rheumatic fever and rheumatic heart disease (390-398) .....	5,014	1,553	3,461	4,547	1,389	3,158	467	164	303	353	124	229
Hypertensive heart disease (402) .....	26,607	11,386	15,221	19,377	7,916	11,461	7,230	3,470	3,760	6,708	3,190	3,518
Hypertensive heart and renal disease (404) .....	2,424	1,051	1,373	1,722	741	981	702	310	392	653	287	366
Ischemic heart disease (410-414) .....	466,101	237,332	228,769	418,541	213,934	204,607	47,560	23,398	24,162	40,986	19,493	21,493
Acute myocardial infarction (410) .....	206,212	109,171	97,041	184,132	98,238	85,894	22,080	10,933	11,147	19,244	9,215	10,029
Other acute and subacute forms of ischemic heart disease (411) .....	3,046	1,691	1,355	2,596	1,447	1,149	450	244	206	396	210	186
Angina pectoris (413) .....	735	298	437	663	263	400	72	35	37	66	29	37
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414) .....	256,108	126,172	129,936	231,150	113,986	117,164	24,958	12,186	12,772	21,280	10,039	11,241
Other diseases of endocardium (424) .....	17,661	7,035	10,626	16,323	6,454	9,869	1,338	581	757	1,111	464	647
All other forms of heart disease (415-423,425-429) .....	209,167	98,241	110,926	178,715	82,882	95,833	30,452	15,359	15,093	27,363	13,654	13,709

See footnotes at end of table.

**Table 12. Number of deaths from 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by race and sex: United States, 1997 - Con.**

[For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	All other											
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Hypertension with or without renal disease (401,403) ...	13,534	5,419	8,115	10,376	4,038	6,338	3,158	1,381	1,777	2,919	1,257	1,662
Cerebrovascular diseases (430-438) .....	159,791	62,564	97,227	138,324	53,158	85,166	21,467	9,406	12,061	18,131	7,794	10,337
Intracerebral and other intracranial hemorrhage (431-432) .....	25,858	11,940	13,918	21,202	9,516	11,686	4,656	2,424	2,232	3,712	1,934	1,778
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) .....	12,045	4,619	7,426	10,495	3,955	6,540	1,550	664	886	1,353	573	780
Cerebral embolism (434.1) .....	617	227	390	561	204	357	56	23	33	36	15	21
All other and late effects of cerebrovascular diseases (430,433,435-438) .....	121,271	45,778	75,493	106,066	39,483	66,583	15,205	6,295	8,910	13,030	5,272	7,758
Atherosclerosis (440) .....	16,057	6,019	10,038	14,750	5,506	9,244	1,307	513	794	1,171	451	720
Other diseases of arteries, arterioles, and capillaries (441-448) .....	27,792	15,109	12,683	24,791	13,660	11,131	3,001	1,449	1,552	2,586	1,229	1,357
Acute bronchitis and bronchiolitis (466) .....	465	194	271	404	161	243	61	33	28	53	27	26
Pneumonia and influenza (480-487) .....	86,449	39,284	47,165	76,875	34,386	42,489	9,574	4,898	4,676	7,920	3,978	3,942
Pneumonia (480-486) .....	85,729	39,013	46,716	76,194	34,135	42,059	9,535	4,878	4,657	7,894	3,965	3,929
Influenza (487) .....	720	271	449	681	251	430	39	20	19	26	13	13
Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	109,029	55,984	53,045	100,770	51,184	49,586	8,259	4,800	3,459	6,908	3,966	2,942
Bronchitis, chronic and unspecified (490-491) .....	3,055	1,460	1,595	2,805	1,321	1,484	250	139	111	196	108	88
Emphysema (492) .....	17,518	9,497	8,021	16,516	8,823	7,693	1,002	674	328	847	562	285
Asthma (493) .....	5,434	1,986	3,448	4,002	1,383	2,619	1,432	603	829	1,200	498	702
Other chronic obstructive pulmonary diseases and allied conditions (494-496) .....	83,022	43,041	39,981	77,447	39,657	37,790	5,575	3,384	2,191	4,665	2,798	1,867
Ulcer of stomach and duodenum (531-533) .....	5,115	2,379	2,736	4,484	2,025	2,459	631	354	277	492	275	217
Appendicitis (540-543) .....	395	228	167	309	167	142	86	61	25	76	56	20
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	6,498	2,420	4,078	5,729	2,064	3,665	769	356	413	706	321	385
Chronic liver disease and cirrhosis (571) .....	25,175	16,260	8,915	21,683	14,045	7,638	3,492	2,215	1,277	2,820	1,818	1,002
Cholelithiasis and other disorders of gallbladder (574-575) .....	2,757	1,239	1,518	2,413	1,085	1,328	344	154	190	272	119	153
Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	25,331	12,140	13,191	20,678	10,002	10,676	4,653	2,138	2,515	4,236	1,941	2,295
Acute glomerulonephritis and nephrotic syndrome (580-581) .....	324	154	170	270	125	145	54	29	25	49	24	25
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) .....	1,652	807	845	1,343	657	686	309	150	159	276	135	141
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589) .....	23,355	11,179	12,176	19,065	9,220	9,845	4,290	1,959	2,331	3,911	1,782	2,129
Infections of kidney (590) .....	831	241	590	725	203	522	106	38	68	91	33	58
Hyperplasia of prostate (600) .....	420	420	...	370	370	...	50	50	...	46	46	...
Complications of pregnancy, childbirth, and the puerperium (630-676) .....	327	...	327	179	...	179	148	...	148	125	...	125
Pregnancy with abortive outcome (630-638) .....	41	...	41	18	...	18	23	...	23	21	...	21
Other complications of pregnancy, childbirth, and the puerperium (640-676) .....	286	...	286	161	...	161	125	...	125	104	...	104
Congenital anomalies (740-759) .....	11,912	6,261	5,651	9,719	5,123	4,596	2,193	1,138	1,055	1,797	921	876
Certain conditions originating in the perinatal period (760-779) .....	13,092	7,398	5,694	7,981	4,538	3,443	5,111	2,860	2,251	4,714	2,624	2,090
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769) .....	1,990	1,145	845	1,317	767	550	673	378	295	614	338	276
Other conditions originating in the perinatal period (760-766,770-779) .....	11,102	6,253	4,849	6,664	3,771	2,893	4,438	2,482	1,956	4,100	2,286	1,814
Symptoms, signs, and ill-defined conditions (780-799) ..	25,752	13,065	12,687	20,790	10,244	10,546	4,962	2,821	2,141	4,505	2,560	1,945
All other diseases (Residual) .....	235,435	100,435	135,000	207,175	87,262	119,913	28,260	13,173	15,087	24,803	11,426	13,377

See footnotes at end of table.

**Table 12. Number of deaths from 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by race and sex: United States, 1997 - Con.**

[For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	All races						All other					
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Accidents and adverse effects (E800-E949) .....	95,644	61,963	33,681	79,922	51,396	28,526	15,722	10,567	5,155	12,665	8,582	4,083
Motor vehicle accidents (E810-E825) .....	43,458	28,770	14,688	36,094	23,834	12,260	7,364	4,936	2,428	5,666	3,895	1,771
All other accidents and adverse effects (E800-E807,E826-E949) .....	52,186	33,193	18,993	43,828	27,562	16,266	8,358	5,631	2,727	6,999	4,687	2,312
Suicide (E950-E959) .....	30,535	24,492	6,043	27,513	22,042	5,471	3,022	2,450	572	2,103	1,764	339
Homicide and legal intervention (E960-E978) .....	19,846	15,449	4,397	9,913	7,343	2,570	9,933	8,106	1,827	9,253	7,601	1,652
All other external causes (E980-E999) .....	3,666	2,665	1,001	2,846	2,046	800	820	619	201	730	556	174
Human immunodeficiency virus infection <sup>1</sup> (*042-*044) ..	16,516	12,892	3,624	7,840	6,688	1,152	8,676	6,204	2,472	8,525	6,078	2,447
Alzheimer's disease <sup>2</sup> (331.0) .....	22,475	7,038	15,437	21,192	6,579	14,613	1,283	459	824	1,148	404	744

- Quantity zero.

†. Category not applicable.

<sup>1</sup> Included in "All other infectious and parasitic diseases" shown above.

<sup>2</sup> Included in "All other diseases (Residual)" category shown above.

NOTE: For a small number of deaths considered to be of public health concern, selected causes of death could not be confirmed by the State of California; see Technical notes.

**Table 13. Death rates for 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by race and sex: United States, 1997**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)							All other					
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All causes .....	864.7	880.8	849.2	902.0	906.3	897.8	686.5	755.5	623.3	814.6	893.9	742.8
Shigellosis and amebiasis (004,006) .....	*	*	*	*	*	*	*	*	*	*	*	*
Certain other intestinal infections (007-009) .....	0.4	0.3	0.4	0.4	0.3	0.5	0.4	0.4	0.3	0.5	0.5	0.4
Tuberculosis (010-018) .....	0.4	0.5	0.4	0.3	0.3	0.3	1.0	1.3	0.8	1.0	1.3	0.8
Tuberculosis of respiratory system (010-012) .....	0.3	0.4	0.2	0.2	0.3	0.2	0.7	1.0	0.5	0.7	1.0	0.5
Other tuberculosis (013-018) .....	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.2	0.3
Whooping cough (033) .....	*	*	*	*	*	*	*	*	*	*	*	*
Streptococcal sore throat, scarlatina, and erysipelas (034-035) .....	*	*	*	*	*	*	*	*	*	*	*	*
Meningococcal infection (036) .....	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2
Septicemia (038) .....	8.4	7.4	9.3	8.1	7.0	9.1	9.9	9.1	10.5	12.5	11.6	13.3
Acute poliomyelitis (045) .....	*	*	*	*	*	*	*	*	*	*	*	*
Measles (055) .....	*	*	*	*	*	*	*	*	*	*	*	*
Viral hepatitis (070) .....	1.5	1.9	1.2	1.5	1.8	1.1	1.7	2.1	1.5	1.6	1.9	1.3
Syphilis (090-097) .....	0.0	0.0	0.0	0.0	0.0	*	0.1	*	*	0.1	*	*
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044,046-054,056-066,071-088,098-139) .....	8.7	12.5	5.1	5.9	8.6	3.3	22.3	31.7	13.7	29.4	42.0	18.0
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	201.6	214.6	189.2	211.7	223.3	200.4	153.5	171.4	137.1	180.7	203.0	160.5
Malignant neoplasms of lip, oral cavity, and pharynx (140-149) .....	2.9	4.0	2.0	2.9	3.9	2.1	3.0	4.6	1.6	3.4	5.3	1.8
Malignant neoplasms of digestive organs and peritoneum (150-159) .....	47.5	51.7	43.4	48.7	52.7	44.8	41.7	46.6	37.1	46.8	51.7	42.3
Malignant neoplasms of respiratory and intrathoracic organs (160-165) .....	59.2	72.7	46.3	62.9	76.0	50.2	41.5	56.4	27.8	49.7	68.3	32.9
Malignant neoplasm of breast (174-175) .....	15.8	0.3	30.7	16.4	0.3	31.9	13.2	0.3	25.0	16.2	0.4	30.4
Malignant neoplasms of genital organs (179-187) .....	22.0	25.6	18.7	22.4	25.3	19.5	20.6	26.7	15.0	25.5	34.3	17.6
Malignant neoplasms of urinary organs (188-189) .....	8.7	11.3	6.3	9.6	12.4	6.8	4.9	5.9	3.9	5.7	6.8	4.7
Malignant neoplasms of all other and unspecified sites (170-173,190-199) .....	24.5	26.3	22.8	26.4	28.3	24.5	15.6	16.4	14.9	18.2	19.4	17.1
Leukemia (204-208) .....	7.6	8.6	6.6	8.3	9.3	7.2	4.4	4.9	3.9	4.9	5.6	4.3
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203) .....	13.3	14.1	12.5	14.2	15.0	13.5	8.7	9.6	7.9	10.2	11.1	9.4
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	2.9	2.6	3.1	3.0	2.7	3.3	2.1	2.0	2.2	2.5	2.3	2.7
Diabetes mellitus (250) .....	23.4	21.5	25.2	22.5	21.1	23.9	27.6	23.6	31.3	32.8	27.5	37.5
Nutritional deficiencies (260-269) .....	1.5	0.9	2.0	1.6	0.9	2.2	1.0	0.9	1.1	1.3	1.1	1.4
Anemias (280-285) .....	1.7	1.4	2.0	1.6	1.2	1.9	2.2	2.0	2.3	2.7	2.6	2.8
Meningitis (320-322) .....	0.3	0.3	0.3	0.2	0.3	0.2	0.5	0.6	0.4	0.6	0.7	0.5
Major cardiovascular diseases (390-448) .....	352.8	340.2	364.8	373.9	357.9	389.3	252.0	253.2	250.9	300.4	297.4	303.1
Diseases of heart (390-398,402,404-429) .....	271.6	272.2	271.1	288.8	287.7	289.8	189.5	195.6	183.9	227.3	230.8	224.2
Rheumatic fever and rheumatic heart disease (390-398) .....	1.9	1.2	2.5	2.1	1.3	2.8	1.0	0.7	1.3	1.0	0.8	1.3
Hypertensive heart disease (402) .....	9.9	8.7	11.1	8.8	7.3	10.2	15.6	15.7	15.6	19.8	19.8	19.7
Hypertensive heart and renal disease (404) .....	0.9	0.8	1.0	0.8	0.7	0.9	1.5	1.4	1.6	1.9	1.8	2.1
Ischemic heart disease (410-414) .....	174.2	181.1	167.5	189.1	196.5	182.0	102.7	105.8	99.9	120.7	120.9	120.6
Acute myocardial infarction (410) .....	77.0	83.3	71.0	83.2	90.2	76.4	47.7	49.4	46.1	56.7	57.2	56.3
Other acute and subacute forms of ischemic heart disease (411) .....	1.1	1.3	1.0	1.2	1.3	1.0	1.0	1.1	0.9	1.2	1.3	1.0
Angina pectoris (413) .....	0.3	0.2	0.3	0.3	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414) .....	95.7	96.3	95.1	104.4	104.7	104.2	53.9	55.1	52.8	62.7	62.3	63.1
Other diseases of endocardium (424) .....	6.6	5.4	7.8	7.4	5.9	8.8	2.9	2.6	3.1	3.3	2.9	3.6
All other forms of heart disease (415-423,425-429) .....	78.2	75.0	81.2	80.7	76.1	85.2	65.8	69.4	62.4	80.6	84.7	76.9

See footnotes at end of table.

**Table 13. Death rates for 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by race and sex: United States, 1997 - Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	All other											
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Hypertension with or without renal disease (401,403) ...	5.1	4.1	5.9	4.7	3.7	5.6	6.8	6.2	7.3	8.6	7.8	9.3
Cerebrovascular diseases (430-438) .....	59.7	47.8	71.2	62.5	48.8	75.7	46.4	42.5	49.9	53.4	48.3	58.0
Intracerebral and other intracranial hemorrhage (431-432) .....	9.7	9.1	10.2	9.6	8.7	10.4	10.1	11.0	9.2	10.9	12.0	10.0
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) .....	4.5	3.5	5.4	4.7	3.6	5.8	3.3	3.0	3.7	4.0	3.6	4.4
Cerebral embolism (434.1) .....	0.2	0.2	0.3	0.3	0.2	0.3	0.1	0.1	0.1	0.1	*	0.1
All other and late effects of cerebrovascular diseases (430,433,435-438) .....	45.3	34.9	55.3	47.9	36.3	59.2	32.8	28.5	36.9	38.4	32.7	43.5
Atherosclerosis (440) .....	6.0	4.6	7.3	6.7	5.1	8.2	2.8	2.3	3.3	3.4	2.8	4.0
Other diseases of arteries, arterioles, and capillaries (441-448) .....	10.4	11.5	9.3	11.2	12.5	9.9	6.5	6.5	6.4	7.6	7.6	7.6
Acute bronchitis and bronchiolitis (466) .....	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.1
Pneumonia and influenza (480-487) .....	32.3	30.0	34.5	34.7	31.6	37.8	20.7	22.1	19.3	23.3	24.7	22.1
Pneumonia (480-486) .....	32.0	29.8	34.2	34.4	31.3	37.4	20.6	22.0	19.3	23.3	24.6	22.0
Influenza (487) .....	0.3	0.2	0.3	0.3	0.2	0.4	0.1	0.1	*	0.1	*	*
Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	40.7	42.7	38.8	45.5	47.0	44.1	17.8	21.7	14.3	20.3	24.6	16.5
Bronchitis, chronic and unspecified (490-491) .....	1.1	1.1	1.2	1.3	1.2	1.3	0.5	0.6	0.5	0.6	0.7	0.5
Emphysema (492) .....	6.5	7.2	5.9	7.5	8.1	6.8	2.2	3.0	1.4	2.5	3.5	1.6
Asthma (493) .....	2.0	1.5	2.5	1.8	1.3	2.3	3.1	2.7	3.4	3.5	3.1	3.9
Other chronic obstructive pulmonary diseases and allied conditions (494-496) .....	31.0	32.9	29.3	35.0	36.4	33.6	12.0	15.3	9.1	13.7	17.4	10.5
Ulcer of stomach and duodenum (531-533) .....	1.9	1.8	2.0	2.0	1.9	2.2	1.4	1.6	1.1	1.4	1.7	1.2
Appendicitis (540-543) .....	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.3	0.1	0.2	0.3	0.1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	2.4	1.8	3.0	2.6	1.9	3.3	1.7	1.6	1.7	2.1	2.0	2.2
Chronic liver disease and cirrhosis (571) .....	9.4	12.4	6.5	9.8	12.9	6.8	7.5	10.0	5.3	8.3	11.3	5.6
Cholelithiasis and other disorders of gallbladder (574-575) .....	1.0	0.9	1.1	1.1	1.0	1.2	0.7	0.7	0.8	0.8	0.7	0.9
Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	9.5	9.3	9.7	9.3	9.2	9.5	10.0	9.7	10.4	12.5	12.0	12.9
Acute glomerulonephritis and nephrotic syndrome (580-581) .....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) .....	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589) .....	8.7	8.5	8.9	8.6	8.5	8.8	9.3	8.9	9.6	11.5	11.1	11.9
Infections of kidney (590) .....	0.3	0.2	0.4	0.3	0.2	0.5	0.2	0.2	0.3	0.3	0.2	0.3
Hyperplasia of prostate (600) .....	0.2	0.3	...	0.2	0.3	...	0.1	0.2	...	0.1	0.3	...
Complications of pregnancy, childbirth, and the puerperium (630-676) .....	0.1	...	0.2	0.1	...	0.2	0.3	...	0.6	0.4	...	0.7
Pregnancy with abortive outcome (630-638) .....	0.0	...	0.0	*	...	*	0.0	...	0.1	0.1	...	0.1
Other complications of pregnancy, childbirth, and the puerperium (640-676) .....	0.1	...	0.2	0.1	...	0.1	0.3	...	0.5	0.3	...	0.6
Congenital anomalies (740-759) .....	4.5	4.8	4.1	4.4	4.7	4.1	4.7	5.1	4.4	5.3	5.7	4.9
Certain conditions originating in the perinatal period (760-779) .....	4.9	5.6	4.2	3.6	4.2	3.1	11.0	12.9	9.3	13.9	16.3	11.7
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769) .....	0.7	0.9	0.6	0.6	0.7	0.5	1.5	1.7	1.2	1.8	2.1	1.5
Other conditions originating in the perinatal period (760-766,770-779) .....	4.1	4.8	3.5	3.0	3.5	2.6	9.6	11.2	8.1	12.1	14.2	10.2
Symptoms, signs, and ill-defined conditions (780-799) ..	9.6	10.0	9.3	9.4	9.4	9.4	10.7	12.8	8.9	13.3	15.9	10.9
All other diseases (Residual) .....	88.0	76.7	98.8	93.6	80.1	106.6	61.0	59.5	62.4	73.1	70.9	75.0

See footnotes at end of table.

**Table 13. Death rates for 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by race and sex: United States, 1997 - Con.**

[Rates per 100,000 population in specified group. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	All races						All other					
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Accidents and adverse effects (E800-E949) .....	35.7	47.3	24.7	36.1	47.2	25.4	34.0	47.8	21.3	37.3	53.2	22.9
Motor vehicle accidents (E810-E825) .....	16.2	22.0	10.8	16.3	21.9	10.9	15.9	22.3	10.0	16.7	24.2	9.9
All other accidents and adverse effects (E800-E807,E826-E949) .....	19.5	25.3	13.9	19.8	25.3	14.5	18.1	25.5	11.3	20.6	29.1	13.0
Suicide (E950-E959) .....	11.4	18.7	4.4	12.4	20.2	4.9	6.5	11.1	2.4	6.2	10.9	1.9
Homicide and legal intervention (E960-E978) .....	7.4	11.8	3.2	4.5	6.7	2.3	21.5	36.6	7.6	27.3	47.1	9.3
All other external causes (E980-E999) .....	1.4	2.0	0.7	1.3	1.9	0.7	1.8	2.8	0.8	2.2	3.4	1.0
Human immunodeficiency virus infection <sup>1</sup> (*042-*044) ..	6.2	9.8	2.7	3.5	6.1	1.0	18.7	28.0	10.2	25.1	37.7	13.7
Alzheimer's disease <sup>2</sup> (331.0) .....	8.4	5.4	11.3	9.6	6.0	13.0	2.8	2.1	3.4	3.4	2.5	4.2

\* Figure does not meet standards of reliability or precision, see Technical notes.  
0.0 Quantity more than zero but less than 0.05.

.. Category not applicable.

<sup>1</sup> Included in "All other infectious and parasitic diseases" shown above.

<sup>2</sup> Included in "All other diseases (Residual)" category shown above.

NOTE: For a small number of deaths considered to be of public health concern, selected causes of death could not be confirmed by the State of California; see Technical notes.

**Table 14. Age-adjusted death rates for 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by race and sex: United States, 1997**

[Age-adjusted rates per 100,000 U.S. standard population; see Technical notes. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	All other											
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All causes .....	479.1	602.8	375.7	456.5	573.8	358.0	601.1	770.0	468.1	705.3	911.9	545.5
Shigellosis and amebiasis (004,006) .....	*	*	*	*	*	*	*	*	*	*	*	*
Certain other intestinal infections (007-009) .....	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.4	0.4	0.4
Tuberculosis (010-018) .....	0.3	0.4	0.2	0.2	0.2	0.1	0.9	1.3	0.6	0.9	1.3	0.6
Tuberculosis of respiratory system (010-012) .....	0.2	0.3	0.1	0.1	0.2	0.1	0.7	1.1	0.4	0.7	1.1	0.4
Other tuberculosis (013-018) .....	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.3	0.3	0.2	0.3	0.2
Whooping cough (033) .....	*	*	*	*	*	*	*	*	*	*	*	*
Streptococcal sore throat, scarlatina, and erysipelas (034-035) .....	*	*	*	*	*	*	*	*	*	*	*	*
Meningococcal infection (036) .....	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2
Septicemia (038) .....	4.2	4.7	3.8	3.6	4.0	3.2	8.1	9.1	7.3	10.0	11.5	8.9
Acute poliomyelitis (045) .....	*	*	*	*	*	*	*	*	*	*	*	*
Measles (055) .....	*	*	*	*	*	*	*	*	*	*	*	*
Viral hepatitis (070) .....	1.2	1.6	0.8	1.1	1.5	0.7	1.8	2.2	1.4	1.6	2.1	1.1
Syphilis (090-097) .....	0.0	0.0	0.0	0.0	0.0	*	0.0	*	*	0.1	*	*
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044,046-054,056-066,071-088,098-139) .....	7.6	11.2	4.2	4.9	7.4	2.3	21.7	31.9	12.9	29.0	43.0	17.1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	125.6	150.4	107.3	122.9	145.9	106.0	142.4	182.4	114.4	165.2	214.8	131.2
Malignant neoplasms of lip, oral cavity, and pharynx (140-149) .....	2.0	3.1	1.1	1.8	2.8	1.0	3.0	5.2	1.4	3.5	6.0	1.6
Malignant neoplasms of digestive organs and peritoneum (150-159) .....	28.2	36.5	21.4	26.7	34.5	20.3	38.0	50.3	28.7	41.9	55.7	31.7
Malignant neoplasms of respiratory and intrathoracic organs (160-165) .....	38.7	52.8	27.5	38.4	51.4	28.0	40.3	62.3	24.2	47.9	75.4	28.3
Malignant neoplasm of breast (174-175) .....	10.5	0.2	19.4	10.2	0.2	18.9	12.7	0.3	22.3	15.4	0.4	26.7
Malignant neoplasms of genital organs (179-187) .....	12.0	14.3	11.3	11.3	13.0	11.1	17.3	25.2	12.8	20.8	31.7	14.7
Malignant neoplasms of urinary organs (188-189) .....	5.0	7.6	3.1	5.1	7.8	3.1	4.3	6.1	3.0	5.0	7.1	3.5
Malignant neoplasms of all other and unspecified sites (170-173,190-199) .....	16.1	19.6	13.2	16.3	19.9	13.3	14.6	17.7	12.3	16.9	21.0	13.7
Leukemia (204-208) .....	4.7	6.1	3.7	4.8	6.2	3.7	4.1	5.1	3.2	4.5	5.8	3.5
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203) .....	8.2	10.1	6.6	8.2	10.1	6.6	8.1	10.2	6.5	9.3	11.7	7.6
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	1.6	1.8	1.5	1.6	1.7	1.5	1.9	2.0	1.7	2.2	2.4	2.0
Diabetes mellitus (250) .....	13.5	14.8	12.4	11.9	13.4	10.6	24.7	25.0	24.4	28.9	29.2	28.5
Nutritional deficiencies (260-269) .....	0.5	0.5	0.5	0.5	0.4	0.5	0.7	0.8	0.6	0.8	1.0	0.7
Anemias (280-285) .....	0.8	0.9	0.8	0.6	0.6	0.6	1.8	2.0	1.8	2.4	2.5	2.2
Meningitis (320-322) .....	0.3	0.3	0.2	0.2	0.2	0.2	0.5	0.6	0.4	0.6	0.7	0.5
Major cardiovascular diseases (390-448) .....	166.1	213.3	127.3	159.1	206.2	120.0	207.8	257.8	169.5	243.7	303.0	198.9
Diseases of heart (390-398,402,404-429) .....	130.5	173.1	95.4	125.9	168.7	90.4	157.3	200.1	124.5	185.7	236.2	147.6
Rheumatic fever and rheumatic heart disease (390-398) .....	1.0	0.8	1.2	1.0	0.8	1.3	1.0	0.8	1.1	1.0	0.8	1.1
Hypertensive heart disease (402) .....	5.2	6.1	4.3	3.9	4.6	3.1	13.8	16.6	11.4	17.3	21.1	14.3
Hypertensive heart and renal disease (404) .....	0.4	0.5	0.3	0.3	0.3	0.2	1.2	1.4	1.1	1.5	1.8	1.3
Ischemic heart disease (410-414) .....	82.9	114.2	57.6	82.5	114.7	56.1	83.7	107.5	65.6	96.3	122.7	76.6
Acute myocardial infarction (410) .....	39.7	54.9	27.1	39.5	55.3	26.3	40.2	51.1	31.8	46.7	58.9	37.5
Other acute and subacute forms of ischemic heart disease (411) .....	0.6	0.9	0.4	0.6	0.9	0.4	0.8	1.2	0.6	1.0	1.4	0.7
Angina pectoris (413) .....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414) .....	42.5	58.2	29.9	42.2	58.3	29.3	42.5	55.1	33.1	48.4	62.2	38.2
Other diseases of endocardium (424) .....	2.7	3.0	2.5	2.7	3.1	2.5	2.3	2.5	2.1	2.6	2.8	2.3
All other forms of heart disease (415-423,425-429) .....	38.2	48.5	29.5	35.4	45.1	27.2	55.4	71.2	43.2	67.0	87.0	52.0

See footnotes at end of table.



**Table 14. Age-adjusted death rates for 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by race and sex: United States, 1997 - Con.**

[Age-adjusted rates per 100,000 U.S. standard population; see Technical notes. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
Hypertension with or without renal disease (401,403) ...	2.3	2.5	2.1	1.9	2.0	1.7	5.5	6.3	4.9	6.9	7.8	6.1
Cerebrovascular diseases (430-438) .....	25.9	27.9	24.2	24.0	25.7	22.5	37.6	42.6	33.7	42.5	48.6	37.9
Intracerebral and other intracranial hemorrhage (431-432) .....	5.6	6.3	4.8	4.9	5.5	4.3	9.5	11.8	7.7	10.4	13.2	8.3
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) .....	1.8	2.0	1.7	1.7	1.9	1.6	2.6	3.0	2.3	3.0	3.5	2.7
Cerebral embolism (434.1) .....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	0.1
All other and late effects of cerebrovascular diseases (430,433,435-438) .....	18.4	19.4	17.5	17.3	18.2	16.5	25.4	27.8	23.6	29.0	31.9	26.8
Atherosclerosis (440) .....	2.1	2.4	1.8	2.1	2.4	1.8	1.9	2.1	1.7	2.2	2.5	2.0
Other diseases of arteries, arterioles, and capillaries (441-448) .....	5.3	7.3	3.8	5.2	7.3	3.6	5.5	6.7	4.7	6.3	7.7	5.3
Acute bronchitis and bronchiolitis (466) .....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Pneumonia and influenza (480-487) .....	12.9	16.2	10.5	12.4	15.5	10.2	15.4	20.6	11.8	17.2	23.0	13.1
Pneumonia (480-486) .....	12.8	16.1	10.4	12.3	15.4	10.1	15.3	20.5	11.8	17.1	22.9	13.1
Influenza (487) .....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	0.1	*	*
Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	21.1	26.1	17.7	21.7	26.5	18.5	15.3	21.7	11.1	17.4	24.5	12.7
Bronchitis, chronic and unspecified (490-491) .....	0.6	0.7	0.5	0.6	0.7	0.5	0.5	0.6	0.4	0.5	0.6	0.4
Emphysema (492) .....	3.6	4.6	2.9	3.8	4.8	3.2	1.9	3.1	1.1	2.2	3.6	1.2
Asthma (493) .....	1.4	1.2	1.6	1.1	1.0	1.3	3.0	2.9	3.1	3.5	3.2	3.6
Other chronic obstructive pulmonary diseases and allied conditions (494-496) .....	15.5	19.6	12.7	16.2	20.1	13.5	9.9	15.1	6.5	11.2	17.0	7.4
Ulcer of stomach and duodenum (531-533) .....	0.9	1.1	0.7	0.9	1.1	0.7	1.2	1.7	0.8	1.2	1.8	0.8
Appendicitis (540-543) .....	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.2	0.4	0.1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	1.0	1.1	1.0	1.0	1.0	1.0	1.2	1.5	1.0	1.5	1.9	1.3
Chronic liver disease and cirrhosis (571) .....	7.4	10.5	4.5	7.3	10.3	4.4	7.8	11.2	5.0	8.7	12.9	5.3
Cholelithiasis and other disorders of gallbladder (574-575) .....	0.5	0.5	0.4	0.4	0.5	0.4	0.6	0.7	0.6	0.6	0.7	0.5
Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	4.4	5.4	3.7	3.8	4.8	3.2	8.1	9.4	7.2	9.8	11.7	8.5
Acute glomerulonephritis and nephrotic syndrome (580-581) .....	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) .....	0.3	0.4	0.3	0.3	0.3	0.2	0.5	0.6	0.5	0.6	0.8	0.6
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589) .....	4.1	4.9	3.4	3.5	4.4	2.9	7.5	8.6	6.6	9.0	10.7	7.9
Infections of kidney (590) .....	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Hyperplasia of prostate (600) .....	0.1	0.1	...	0.0	0.1	...	0.1	0.2	...	0.1	0.2	...
Complications of pregnancy, childbirth, and the puerperium (630-676) .....	0.1	...	0.3	0.1	...	0.2	0.3	...	0.6	0.4	...	0.7
Pregnancy with abortive outcome (630-638) .....	0.0	...	0.0	*	...	*	0.0	...	0.1	0.0	...	0.1
Other complications of pregnancy, childbirth, and the puerperium (640-676) .....	0.1	...	0.2	0.1	...	0.2	0.3	...	0.5	0.3	...	0.6
Congenital anomalies (740-759) .....	4.2	4.5	4.0	4.2	4.5	3.9	4.4	4.7	4.2	5.0	5.3	4.8
Certain conditions originating in the perinatal period (760-779) .....	5.3	5.8	4.7	4.1	4.5	3.6	10.1	11.2	9.0	13.0	14.3	11.7
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769) .....	0.8	0.9	0.7	0.7	0.7	0.6	1.3	1.5	1.2	1.7	1.8	1.6
Other conditions originating in the perinatal period (760-766,770-779) .....	4.5	4.9	4.0	3.4	3.7	3.0	8.8	9.7	7.9	11.3	12.5	10.2
Symptoms, signs, and ill-defined conditions (780-799) ..	6.4	7.9	4.8	5.7	7.1	4.3	9.4	12.3	7.1	11.8	15.4	8.7
All other diseases (Residual) .....	42.5	48.2	37.7	40.9	46.4	36.2	50.4	58.7	44.1	59.5	70.0	51.7

See footnotes at end of table.

**Table 14. Age-adjusted death rates for 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by race and sex: United States, 1997 - Con.**

[Age-adjusted rates per 100,000 U.S. standard population; see Technical notes. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
Accidents and adverse effects (E800-E949) .....	30.1	42.9	17.8	29.6	42.0	17.5	32.8	48.3	19.3	36.1	54.2	20.4
Motor vehicle accidents (E810-E825) .....	15.9	21.7	10.2	15.9	21.6	10.3	16.0	22.9	9.9	16.8	24.9	9.8
All other accidents and adverse effects (E800-E807,E826-E949) .....	14.2	21.2	7.6	13.7	20.5	7.2	16.8	25.5	9.3	19.2	29.3	10.6
Suicide (E950-E959) .....	10.6	17.4	4.1	11.3	18.4	4.4	6.6	11.3	2.3	6.3	11.2	1.9
Homicide and legal intervention (E960-E978) .....	8.0	12.5	3.3	4.7	7.0	2.3	22.0	37.5	7.5	28.1	48.3	9.3
All other external causes (E980-E999) .....	1.3	1.9	0.7	1.2	1.7	0.6	1.7	2.8	0.8	2.1	3.5	0.9
Human immunodeficiency virus infection <sup>1</sup> (*042-*044) ..	5.8	9.1	2.6	3.3	5.6	1.0	18.3	28.1	9.8	24.9	38.5	13.3
Alzheimer's disease <sup>2</sup> (331.0) .....	2.7	2.5	2.8	2.9	2.6	3.0	1.6	1.7	1.6	1.9	2.0	1.9

\* Figure does not meet standards of reliability or precision, see Technical notes.

0.0 Quantity more than zero but less than 0.05.

.. Category not applicable.

<sup>1</sup> Included in "All other infectious and parasitic diseases" shown above.

<sup>2</sup> Included in "All other diseases (Residual)" category shown above.

NOTE: For a small number of deaths considered to be of public health concern, selected causes of death could not be confirmed by the State of California; see Technical notes.

**Table 15. Number of deaths and death rates for 16 selected subcategories of Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, by race and sex: United States, 1997**

[Rates per 100,000 population in specified group]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	All other											
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	Number											
Malignant neoplasms <sup>1</sup> (140-208) .....	539,577	281,110	258,467	468,521	243,192	225,329	71,056	37,918	33,138	61,333	32,719	28,614
Malignant neoplasm of esophagus (150) .....	11,277	8,546	2,731	9,348	7,145	2,203	1,929	1,401	528	1,746	1,271	475
Malignant neoplasm of stomach (151) .....	13,062	7,766	5,296	10,157	6,074	4,083	2,905	1,692	1,213	2,201	1,297	904
Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus (153,154) .....	56,503	27,942	28,561	48,950	24,290	24,660	7,553	3,652	3,901	6,548	3,116	3,432
Malignant neoplasm of pancreas (157) .....	27,675	13,470	14,205	23,864	11,702	12,162	3,811	1,768	2,043	3,319	1,511	1,808
Malignant neoplasms of trachea, bronchus, and lung (162) .....	153,310	91,352	61,958	135,060	79,624	55,436	18,250	11,728	6,522	16,014	10,336	5,678
Malignant melanoma of skin (172) .....	7,238	4,488	2,750	7,064	4,421	2,643	174	67	107	131	48	83
Malignant neoplasm of cervix uteri (180) .....	4,499	...	4,499	3,371	...	3,371	1,128	...	1,128	969	...	969
Malignant neoplasms of body of uterus and of uterus, part unspecified (179,182) .....	6,189	...	6,189	5,160	...	5,160	1,029	...	1,029	935	...	935
Malignant neoplasm of ovary (183.0) .....	13,507	...	13,507	12,181	...	12,181	1,326	...	1,326	1,117	...	1,117
Malignant neoplasm of prostate (185) .....	32,891	32,891	...	27,052	27,052	...	5,839	5,839	...	5,466	5,466	...
Malignant neoplasm of bladder (188) .....	11,582	7,662	3,920	10,608	7,139	3,469	974	523	451	862	456	406
Malignant neoplasms of kidney and other and unspecified urinary organs (189) .....	11,813	7,175	4,638	10,535	6,395	4,140	1,278	780	498	1,081	648	433
Malignant neoplasms of brain and other and unspecified parts of nervous system (191,192) .....	12,474	6,740	5,734	11,518	6,263	5,255	956	477	479	765	381	384
Hodgkin's disease (201) .....	1,443	760	683	1,262	661	601	181	99	82	164	92	72
Malignant lymphoma other than Hodgkin's disease (200,202) .....	23,693	12,369	11,324	21,696	11,241	10,455	1,997	1,128	869	1,583	881	702
Multiple myeloma and other immunoproliferative neoplasms (203) ..	10,386	5,360	5,026	8,528	4,459	4,069	1,858	901	957	1,708	815	893
	Rate											
Malignant neoplasms <sup>1</sup> (140-208) .....	201.6	214.6	189.2	211.7	223.3	200.4	153.5	171.4	137.1	180.7	203.0	160.5
Malignant neoplasm of esophagus (150) .....	4.2	6.5	2.0	4.2	6.6	2.0	4.2	6.3	2.2	5.1	7.9	2.7
Malignant neoplasm of stomach (151) .....	4.9	5.9	3.9	4.6	5.6	3.6	6.3	7.6	5.0	6.5	8.0	5.1
Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus (153,154) .....	21.1	21.3	20.9	22.1	22.3	21.9	16.3	16.5	16.1	19.3	19.3	19.3
Malignant neoplasm of pancreas (157) .....	10.3	10.3	10.4	10.8	10.7	10.8	8.2	8.0	8.5	9.8	9.4	10.1
Malignant neoplasms of trachea, bronchus, and lung (162) .....	57.3	69.7	45.4	61.0	73.1	49.3	39.4	53.0	27.0	47.2	64.1	31.9
Malignant melanoma of skin (172) .....	2.7	3.4	2.0	3.2	4.1	2.4	0.4	0.3	0.4	0.4	0.3	0.5
Malignant neoplasm of cervix uteri (180) .....	1.7	...	3.3	1.5	...	3.0	2.4	...	4.7	2.9	...	5.4
Malignant neoplasms of body of uterus and of uterus, part unspecified (179,182) .....	2.3	...	4.5	2.3	...	4.6	2.2	...	4.3	2.8	...	5.2
Malignant neoplasm of ovary (183.0) .....	5.0	...	9.9	5.5	...	10.8	2.9	...	5.5	3.3	...	6.3
Malignant neoplasm of prostate (185) .....	12.3	25.1	...	12.2	24.8	...	12.6	26.4	...	16.1	33.9	...
Malignant neoplasm of bladder (188) .....	4.3	5.8	2.9	4.8	6.6	3.1	2.1	2.4	1.9	2.5	2.8	2.3
Malignant neoplasms of kidney and other and unspecified urinary organs (189) .....	4.4	5.5	3.4	4.8	5.9	3.7	2.8	3.5	2.1	3.2	4.0	2.4
Malignant neoplasms of brain and other and unspecified parts of nervous system (191,192) .....	4.7	5.1	4.2	5.2	5.8	4.7	2.1	2.2	2.0	2.3	2.4	2.2
Hodgkin's disease (201) .....	0.5	0.6	0.5	0.6	0.6	0.5	0.4	0.4	0.3	0.5	0.6	0.4
Malignant lymphoma other than Hodgkin's disease (200,202) .....	8.9	9.4	8.3	9.8	10.3	9.3	4.3	5.1	3.6	4.7	5.5	3.9
Multiple myeloma and other immunoproliferative neoplasms (203) ..	3.9	4.1	3.7	3.9	4.1	3.6	4.0	4.1	4.0	5.0	5.1	5.0

... Category not applicable.

<sup>1</sup> Includes figures for subcategories not shown.

**Table 16. Number of deaths from injury by firearms by age, race, and sex: United States, 1997**

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, and sex</i>	<i>All ages</i>	<i>Under 1 year</i>	<i>1-4 years</i>	<i>5-14 years</i>	<i>15-24 years</i>	<i>25-34 years</i>	<i>35-44 years</i>	<i>45-54 years</i>	<i>55-64 years</i>	<i>65-74 years</i>	<i>75-84 years</i>	<i>85 years and over</i>	<i>Age not stated</i>
<b>Injury by firearms (E922, E955.0-E955.4, E965.0-E965.4, E970, E985.0-E985.4):</b>													
All races <sup>1</sup> , both sexes .....	32,436	9	75	546	8,173	7,045	5,802	3,872	2,390	2,202	1,740	555	27
Male .....	27,756	3	40	420	7,312	6,040	4,709	3,174	2,042	1,907	1,578	509	22
Female .....	4,680	6	35	126	861	1,005	1,093	698	348	295	162	46	5
White, both sexes .....	23,270	3	49	356	4,273	4,451	4,475	3,294	2,126	2,018	1,672	534	19
Male .....	19,673	1	26	281	3,738	3,745	3,587	2,693	1,820	1,754	1,519	492	17
Female .....	3,597	2	23	75	535	706	888	601	306	264	153	42	2
Black, both sexes .....	8,389	6	24	163	3,638	2,421	1,186	495	215	157	57	19	8
Male .....	7,430	2	13	119	3,345	2,143	1,007	419	182	131	49	15	5
Female .....	959	4	11	44	293	278	179	76	33	26	8	4	3
<b>Accident caused by firearm missile (E922):</b>													
All races <sup>1</sup> , both sexes .....	981	-	20	122	300	165	130	96	58	51	24	15	-
Male .....	856	-	11	107	282	141	111	76	51	43	20	14	-
Female .....	125	-	9	15	18	24	19	20	7	8	4	1	-
White, both sexes .....	782	-	13	88	217	140	108	89	50	41	23	13	-
Male .....	680	-	6	79	202	122	91	71	44	34	19	12	-
Female .....	102	-	7	9	15	18	17	18	6	7	4	1	-
Black, both sexes .....	173	-	7	26	74	24	18	7	6	8	1	2	-
Male .....	152	-	5	22	71	18	16	5	5	7	1	2	-
Female .....	21	-	2	4	3	6	2	2	1	1	-	-	-
<b>Suicide by firearms (E955.0-E955.4):</b>													
All races <sup>1</sup> , both sexes .....	17,566	...	...	127	2,587	3,010	3,321	2,647	1,859	1,906	1,608	494	7
Male .....	15,194	...	...	99	2,284	2,578	2,739	2,205	1,618	1,694	1,499	472	6
Female .....	2,372	...	...	28	303	432	582	442	241	212	109	22	1
White, both sexes .....	16,014	...	...	106	2,120	2,596	3,084	2,513	1,753	1,799	1,559	479	5
Male .....	13,820	...	...	84	1,863	2,209	2,527	2,093	1,524	1,604	1,453	458	5
Female .....	2,194	...	...	22	257	387	557	420	229	195	106	21	-
Black, both sexes .....	1,209	...	...	19	362	324	178	103	77	91	40	13	2
Male .....	1,070	...	...	14	325	290	160	85	68	78	37	12	1
Female .....	139	...	...	5	37	34	18	18	9	13	3	1	1
<b>Homicide and legal intervention by firearms (E965.0-E965.4, E970):</b>													
All races <sup>1</sup> , both sexes .....	13,522	9	53	285	5,171	3,794	2,288	1,096	450	228	91	39	18
Male .....	11,404	3	28	204	4,645	3,255	1,818	865	353	155	45	18	15
Female .....	2,118	6	25	81	526	539	470	231	97	73	46	21	3
White, both sexes .....	6,211	3	36	154	1,871	1,664	1,229	664	305	164	73	35	13
Male .....	4,957	1	20	111	1,619	1,370	931	503	236	104	33	17	12
Female .....	1,254	2	16	43	252	294	298	161	69	60	40	18	1
Black, both sexes .....	6,914	6	15	114	3,158	2,048	983	382	127	56	16	4	5
Male .....	6,129	2	7	80	2,907	1,813	828	328	105	44	11	1	3
Female .....	785	4	8	34	251	235	155	54	22	12	5	3	2
<b>Injury by firearms, undetermined whether accidentally or purposefully inflicted (E985.0-E985.4):</b>													
All races <sup>1</sup> , both sexes .....	367	-	2	12	115	76	63	33	23	17	17	7	2
Male .....	302	-	1	10	101	66	41	28	20	15	14	5	1
Female .....	65	-	1	2	14	10	22	5	3	2	3	2	1
White, both sexes .....	263	-	-	8	65	51	54	28	18	14	17	7	1
Male .....	216	-	-	7	54	44	38	26	16	12	14	5	-
Female .....	47	-	-	1	11	7	16	2	2	2	3	2	1
Black, both sexes .....	93	-	2	4	44	25	7	3	5	2	-	-	1
Male .....	79	-	1	3	42	22	3	1	4	2	-	-	1
Female .....	14	-	1	1	2	3	4	2	1	-	-	-	1

- Quantity zero.

... Category not applicable.

<sup>1</sup> "All races" includes races other than white and black.

**Table 17. Death rates and age-adjusted death rates for injury by firearms, by age, race, and sex: United States, 1997**

[Rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population. For a listing of injury by firearms, see Technical notes]

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race, and sex</i>	<i>All ages<sup>1</sup></i>	<i>Under 1 year<sup>2</sup></i>	<i>1-4 years</i>	<i>5-14 years</i>	<i>15-24 years</i>	<i>25-34 years</i>	<i>35-44 years</i>	<i>45-54 years</i>	<i>55-64 years</i>	<i>65-74 years</i>	<i>75-84 years</i>	<i>85 years and over</i>	<i>Age-adjusted rate<sup>3</sup></i>
<b>Injury by firearms (E922, E955.0-E955.4, E965.0-E965.4, E970, E985.0-E985.4):</b>													
All races <sup>4</sup> , both sexes .....	12.1	*	0.5	1.4	22.3	17.8	13.2	11.5	11.0	11.9	14.9	14.3	12.2
Male .....	21.2	*	0.5	2.1	38.9	30.5	21.5	19.3	19.7	23.1	34.1	45.8	21.1
Female .....	3.4	*	0.5	0.7	4.8	5.1	4.9	4.1	3.0	2.9	2.3	1.7	3.4
White, both sexes .....	10.5	*	0.4	1.2	14.7	13.9	12.3	11.5	11.3	12.4	15.8	15.2	10.0
Male .....	18.1	*	0.4	1.8	24.8	23.1	19.5	19.0	20.1	23.9	36.1	49.3	17.1
Female .....	3.2	*	0.4	0.5	3.8	4.5	4.9	4.2	3.1	2.9	2.4	1.7	3.1
Black, both sexes .....	24.7	*	1.0	2.7	65.4	45.0	21.8	13.8	9.7	9.5	6.6	*	25.7
Male .....	46.1	*	*	3.9	119.9	84.0	39.5	25.8	19.0	19.0	15.4	*	47.4
Female .....	5.4	*	*	1.5	10.6	9.8	6.2	3.9	2.6	2.7	*	*	5.6
<b>Accident caused by firearm missile (E922):</b>													
All races <sup>4</sup> , both sexes .....	0.4	*	0.1	0.3	0.8	0.4	0.3	0.3	0.3	0.3	0.2	*	0.4
Male .....	0.7	*	*	0.5	1.5	0.7	0.5	0.5	0.5	0.5	0.4	*	0.7
Female .....	0.1	*	*	*	*	0.1	*	0.1	*	*	*	*	0.1
White, both sexes .....	0.4	*	*	0.3	0.7	0.4	0.3	0.3	0.3	0.3	0.2	*	0.4
Male .....	0.6	*	*	0.5	1.3	0.8	0.5	0.5	0.5	0.5	*	*	0.7
Female .....	0.1	*	*	*	*	*	*	*	*	*	*	*	0.1
Black, both sexes .....	0.5	*	*	0.4	1.3	0.4	*	*	*	*	*	*	0.5
Male .....	0.9	*	*	0.7	2.5	*	*	*	*	*	*	*	0.9
Female .....	0.1	*	*	*	*	*	*	*	*	*	*	*	0.1
<b>Suicide by firearms (E955.0-E955.4):</b>													
All races <sup>4</sup> , both sexes .....	6.6	...	...	0.3	7.1	7.6	7.5	7.9	8.5	10.3	13.7	12.8	6.0
Male .....	11.6	...	...	0.5	12.1	13.0	12.5	13.4	15.6	20.5	32.4	42.4	10.6
Female .....	1.7	...	...	0.1	1.7	2.2	2.6	2.6	2.1	2.1	1.5	0.8	1.6
White, both sexes .....	7.2	...	...	0.3	7.3	8.1	8.4	8.8	9.3	11.0	14.7	13.7	6.5
Male .....	12.7	...	...	0.5	12.4	13.6	13.8	14.8	16.8	21.8	34.6	45.9	11.3
Female .....	2.0	...	...	0.1	1.8	2.4	3.1	2.9	2.4	2.2	1.7	0.8	1.8
Black, both sexes .....	3.6	...	...	*	6.5	6.0	3.3	2.9	3.5	5.5	4.6	*	3.6
Male .....	6.6	...	...	*	11.6	11.4	6.3	5.2	7.1	11.3	11.6	*	6.9
Female .....	0.8	...	...	*	1.3	1.2	*	*	*	*	*	*	0.8
<b>Homicide and legal intervention by firearms (E965.0-E965.4, E970):</b>													
All races <sup>4</sup> , both sexes .....	5.1	*	0.3	0.7	14.1	9.6	5.2	3.3	2.1	1.2	0.8	1.0	5.6
Male .....	8.7	*	0.4	1.0	24.7	16.4	8.3	5.3	3.4	1.9	1.0	*	9.5
Female .....	1.6	*	0.3	0.4	3.0	2.7	2.1	1.3	0.8	0.7	0.7	0.8	1.6
White, both sexes .....	2.8	*	0.3	0.5	6.4	5.2	3.4	2.3	1.6	1.0	0.7	1.0	3.0
Male .....	4.6	*	0.3	0.7	10.8	8.5	5.1	3.6	2.6	1.4	0.8	*	4.9
Female .....	1.1	*	*	0.3	1.8	1.9	1.6	1.1	0.7	0.7	0.6	*	1.2
Black, both sexes .....	20.4	*	*	1.9	56.8	38.1	18.1	10.7	5.7	3.4	*	*	21.3
Male .....	38.0	*	*	2.6	104.2	71.1	32.5	20.2	10.9	6.4	*	*	39.1
Female .....	4.4	*	*	1.1	9.1	8.3	5.4	2.8	1.8	*	*	*	4.6
<b>Injury by firearms, undetermined whether accidentally or purposefully inflicted (E985.0-E985.4):</b>													
All races <sup>4</sup> , both sexes .....	0.1	*	*	*	0.3	0.2	0.1	0.1	0.1	*	*	*	0.1
Male .....	0.2	*	*	*	0.5	0.3	0.2	0.2	0.2	*	*	*	0.2
Female .....	0.0	*	*	*	*	*	0.1	*	*	*	*	*	0.0
White, both sexes .....	0.1	*	*	*	0.2	0.2	0.1	0.1	*	*	*	*	0.1
Male .....	0.2	*	*	*	0.4	0.3	0.2	0.2	*	*	*	*	0.2
Female .....	0.0	*	*	*	*	*	*	*	*	*	*	*	0.0
Black, both sexes .....	0.3	*	*	*	0.8	0.5	*	*	*	*	*	*	0.3
Male .....	0.5	*	*	*	1.5	0.9	*	*	*	*	*	*	0.5
Female .....	*	*	*	*	*	*	*	*	*	*	*	*	*

\* Figure does not meet standards of reliability or precision; see Technical notes.

... Category not applicable.

<sup>1</sup> Figures for age not stated included in "All ages" but not distributed among age groups.

<sup>2</sup> Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see Technical notes.

<sup>3</sup> For method of computation, see Technical notes.

<sup>4</sup> "All races" includes races other than white and black.

**Table 18. Number of deaths, death rates, and age-adjusted death rates for injury by firearms, by race and sex: United States, 1979-1997**

[Rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. For listing of injury by firearms, see Technical notes]

Year	All races						White						All other					
	Both sexes			Female			Both sexes			Female			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female			
Number																		
1997	32,436	27,756	4,680	23,270	19,673	3,597	9,166	8,083	1,083	8,389	7,430	959						
1996	34,040	29,183	4,857	24,114	20,511	3,603	9,926	8,672	1,254	9,175	8,050	1,125						
1995	35,957	30,724	5,233	25,438	21,510	3,928	10,519	9,214	1,305	9,643	8,494	1,149						
1994	38,505	33,021	5,484	26,403	22,408	3,995	12,102	10,613	1,489	11,223	9,880	1,343						
1993	39,595	33,711	5,884	26,948	22,680	4,268	12,647	11,031	1,616	11,763	10,310	1,453						
1992	37,776	32,425	5,351	26,120	22,208	3,912	11,656	10,217	1,439	10,906	9,581	1,325						
1991	38,317	32,882	5,435	26,455	22,448	4,007	11,862	10,434	1,428	11,025	9,733	1,292						
1990	37,155	31,736	5,419	26,299	22,249	4,050	10,856	9,487	1,369	10,175	8,922	1,253						
1989	34,776	29,596	5,180	25,023	21,149	3,874	9,753	8,447	1,306	9,077	7,904	1,173						
1988	33,989	28,674	5,315	24,892	20,884	4,008	9,097	7,790	1,307	8,475	7,272	1,203						
1987	32,895	27,569	5,326	24,789	20,687	4,102	8,106	6,882	1,224	7,586	6,452	1,134						
1986	33,373	28,084	5,289	25,339	21,240	4,099	8,034	6,844	1,190	7,494	6,413	1,081						
1985	31,566	26,382	5,184	24,507	20,389	4,118	7,059	5,993	1,066	6,565	5,584	981						
1984	31,331	26,229	5,102	24,419	20,356	4,063	6,912	5,873	1,039	6,449	5,494	955						
1983	31,099	25,945	5,154	24,038	19,911	4,127	7,061	6,034	1,027	6,589	5,647	942						
1982	32,957	27,517	5,440	25,071	20,710	4,361	7,886	6,807	1,079	7,415	6,410	1,005						
1981	34,050	28,343	5,707	25,237	20,846	4,391	8,813	7,497	1,316	8,324	7,109	1,215						
1980	33,780	28,322	5,458	24,849	20,714	4,135	8,931	7,608	1,323	8,505	7,265	1,240						
1979	33,019	27,476	5,543	24,234	20,039	4,195	8,785	7,437	1,348	8,304	7,031	1,273						
Rate																		
1997	12.1	21.2	3.4	10.5	18.1	3.2	19.8	36.5	4.5	24.7	46.1	5.4						
1996	12.8	22.5	3.6	11.0	19.0	3.2	21.8	39.9	5.3	27.4	50.6	6.4						
1995	13.7	23.9	3.9	11.7	20.1	3.5	23.5	43.2	5.6	29.1	54.0	6.6						
1994	14.8	26.0	4.1	12.2	21.1	3.6	27.6	50.7	6.5	34.4	63.8	7.8						
1993	15.4	26.8	4.5	12.5	21.5	3.9	29.4	53.7	7.2	36.6	67.6	8.6						
1992	14.8	26.0	4.1	12.3	21.3	3.6	27.7	50.7	6.5	34.5	63.9	8.0						
1991	15.2	26.7	4.2	12.5	21.7	3.7	28.7	52.9	6.6	35.4	66.0	7.9						
1990	14.9	26.2	4.3	12.6	21.8	3.8	27.1	49.7	6.5	33.4	61.9	7.8						
1989	14.1	24.6	4.1	12.1	20.8	3.7	24.8	45.1	6.4	30.1	55.4	7.4						
1988	13.9	24.1	4.2	12.1	20.7	3.8	23.7	42.6	6.5	28.5	51.7	7.7						
1987	13.6	23.4	4.3	12.1	20.7	3.9	21.6	38.5	6.2	25.9	46.5	7.3						
1986	13.9	24.0	4.3	12.5	21.4	3.9	21.9	39.1	6.2	25.9	46.9	7.1						
1985	13.3	22.8	4.2	12.1	20.7	4.0	19.7	35.1	5.7	23.0	41.3	6.5						
1984	13.3	22.9	4.2	12.2	20.8	4.0	19.7	35.1	5.6	22.9	41.2	6.4						
1983	13.3	22.8	4.3	12.1	20.5	4.0	20.5	36.9	5.7	23.6	42.9	6.4						
1982	14.2	24.4	4.6	12.7	21.4	4.3	23.5	42.6	6.1	27.0	49.3	6.9						
1981	14.8	25.4	4.8	12.8	21.7	4.4	26.8	48.0	7.6	30.7	55.4	8.5						
1980	14.9	25.7	4.7	12.8	21.8	4.1	28.1	50.5	7.9	31.9	57.7	8.8						
1979	14.7	25.2	4.8	12.5	21.2	4.2	28.5	50.8	8.3	31.6	56.5	9.2						
Age-adjusted rate <sup>1</sup>																		
1997	12.2	21.1	3.4	10.0	17.1	3.1	20.6	37.6	4.6	25.7	47.4	5.6						
1996	12.9	22.4	3.6	10.5	18.0	3.1	22.6	40.8	5.4	28.5	52.0	6.5						
1995	13.9	24.1	4.0	11.3	19.3	3.5	24.4	44.4	5.7	30.3	55.6	6.8						
1994	15.1	26.2	4.2	11.9	20.4	3.6	28.4	51.6	6.6	35.5	65.1	8.0						
1993	15.6	26.9	4.6	12.2	20.7	3.9	30.1	54.4	7.3	37.6	68.8	8.8						
1992	14.9	25.9	4.1	11.8	20.4	3.6	28.0	50.9	6.6	35.1	64.5	8.0						
1991	15.2	26.4	4.2	12.0	20.7	3.7	29.0	52.9	6.6	35.9	66.4	8.0						
1990	14.6	25.4	4.2	11.9	20.5	3.7	26.9	48.9	6.5	33.4	61.5	7.8						
1989	13.7	23.7	4.1	11.4	19.5	3.6	24.5	44.3	6.3	30.0	54.9	7.4						
1988	13.4	23.0	4.2	11.3	19.3	3.7	23.3	41.6	6.4	28.2	51.0	7.6						
1987	13.0	22.3	4.2	11.3	19.2	3.8	21.3	38.0	6.2	25.7	46.4	7.3						
1986	13.3	22.9	4.3	11.7	19.9	3.9	21.7	39.0	6.1	25.8	47.1	7.0						
1985	12.7	21.8	4.2	11.4	19.4	3.9	19.7	35.4	5.7	23.2	42.2	6.5						
1984	12.8	22.0	4.2	11.6	19.6	3.9	19.8	35.9	5.7	23.2	42.6	6.5						
1983	12.9	22.1	4.3	11.5	19.4	4.0	20.8	37.9	5.7	24.2	44.6	6.5						
1982	13.9	23.8	4.6	12.2	20.5	4.3	23.9	44.0	6.2	27.8	51.7	7.1						
1981	14.6	24.9	4.9	12.5	21.0	4.4	27.5	50.0	7.8	31.9	58.6	8.7						
1980	14.8	25.3	4.8	12.4	21.1	4.2	29.1	53.0	8.1	33.5	61.8	9.1						
1979	14.6	24.9	4.9	12.2	20.6	4.3	29.9	54.5	8.6	33.6	61.5	9.5						

<sup>1</sup> For method of computation, see Technical notes.

**Table 19. Deaths, death rates, and age-adjusted death rates for injury deaths according to mechanism and intent of death: United States, 1997**

[Totals for selected causes of death differ from those shown in other tables that utilize standard mortality tabulation lists, see Technical notes. Rates per 100,000 in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes]

Mechanism and intent of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	Number												
	All ages	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Age not stated
All injury deaths (E800-E869, E880-E929, E950-E999) .....	146,400	1,110	2,383	4,150	24,010	23,982	26,048	17,567	10,749	11,202	13,866	11,148	185
Unintentional (E800-E869, E880-E929) .....	92,353	736	1,968	3,338	13,318	12,519	14,343	10,117	6,726	7,870	11,180	10,138	100
Suicide (E950-E959) .....	30,535	...	...	307	4,186	5,672	6,730	4,948	2,946	2,663	2,260	805	18
Homicide (E960-E969) .....	19,491	317	375	456	6,083	4,961	3,569	1,829	834	539	332	149	47
Undetermined (E980-E989) .....	3,657	57	40	48	360	716	1,297	632	224	120	88	56	19
Other (E970-E978, E990-E999) .....	364	-	-	1	63	114	109	41	19	10	6	-	1
Cut/pierce (E920, E956, E966, E974, E986) .....	2,864	3	10	44	499	666	733	394	193	154	109	51	8
Unintentional (E920) .....	104	-	3	7	12	13	20	16	7	9	10	7	-
Suicide (E956) .....	499	...	...	1	18	75	131	110	54	45	43	22	-
Homicide (E966) .....	2,246	2	7	36	467	575	577	266	132	99	55	22	8
Undetermined (E986) .....	14	1	-	-	2	3	5	2	-	-	1	-	-
Other (E974) .....	1	-	-	-	-	-	-	-	-	1	-	-	-
Drowning (E830, E832, E910, E954, E964, E984) .....	4,724	78	474	458	731	744	745	526	337	271	232	95	33
Unintentional (E830, E832, E910) ....	4,051	60	456	449	665	631	602	422	265	218	188	70	25
Suicide (E954) .....	384	...	...	-	35	59	85	71	47	33	32	22	-
Homicide (E964) .....	58	14	11	5	9	7	6	2	2	2	-	-	-
Undetermined (E984) .....	231	4	7	4	22	47	52	31	23	18	12	3	8
Fall (E880-E886, E888, E957, E968.1, E987) .....	12,555	17	50	57	349	502	798	783	834	1,638	3,433	4,088	6
Unintentional (E880-E886, E888) ....	11,858	11	48	53	249	353	637	701	779	1,580	3,382	4,061	4
Suicide (E957) .....	600	...	...	3	79	130	138	73	46	56	48	25	2
Homicide (E968.1) .....	28	3	1	-	6	3	7	3	3	-	2	-	-
Undetermined (E987) .....	69	3	1	1	15	16	16	6	6	2	1	2	-
Fire/hot object/substance (E890-E899, E924, E958 (.1,.2,.7), E961, E968 (.0,.3), E988 (.1,.2,.7)) .....	4,083	58	381	311	248	374	510	458	424	458	537	313	11
Unintentional (E890-E899, E924) ....	3,601	53	354	277	200	292	423	381	366	423	519	303	10
Suicide (E958 (.1,.2,.7)) .....	203	...	...	1	24	38	45	43	33	13	3	3	-
Homicide (E961, E968 (.0,.3)) .....	192	4	20	28	22	30	27	19	14	14	9	4	1
Undetermined (E988 (.1,.2,.7)) .....	87	1	7	5	2	14	15	15	11	8	6	3	-
Firearm (E922, E955 (.0-.4), E965 (.0-.4), E970, E985 (.0-.4)) .....	32,436	9	75	546	8,173	7,045	5,802	3,872	2,390	2,202	1,740	555	27
Unintentional (E922) .....	981	-	20	122	300	165	130	96	58	51	24	15	-
Suicide (E955 (.0-.4)) .....	17,566	...	...	127	2,587	3,010	3,321	2,647	1,859	1,906	1,608	494	7
Homicide (E965 (.0-.4)) .....	13,252	9	53	284	5,110	3,706	2,217	1,068	437	224	88	39	17
Undetermined (E985 (.0-.4)) .....	367	-	2	12	115	76	63	33	23	17	17	7	2
Other (E970) .....	270	-	-	1	61	88	71	28	13	4	3	-	1
Machinery (E919) .....	1,055	-	17	32	82	137	181	171	162	155	96	22	-
Motor vehicle traffic, all (E810-E819, E958.5, E988.5) .....	42,473	160	657	1,866	10,056	7,389	6,513	4,704	3,252	3,308	3,309	1,237	22
Unintentional (E810-E819) <sup>1</sup> .....	42,340	160	657	1,864	10,027	7,351	6,487	4,689	3,245	3,304	3,302	1,232	22
Occupant (E810-E819 (.0,.1)) .....	25,089	123	360	909	6,559	4,307	3,592	2,621	1,876	1,965	2,020	753	4
Motor cyclist (E810-E819 (.2,.3)) .....	1,645	-	-	16	380	483	396	235	98	24	12	1	-
Pedal cyclist (E810-E819 (.6)) .....	757	-	4	197	123	96	137	84	45	36	28	7	-
Pedestrian (E810-E819 (.7)) .....	5,497	5	200	470	605	757	951	724	518	521	506	224	16
Unspecified (E810-E819 (.9)) <sup>5</sup> ....	9,302	31	93	263	2,349	1,697	1,405	1,022	707	756	731	246	2
Suicide (E958.5) .....	124	...	...	1	24	36	26	15	7	4	7	4	-
Undetermined (E988.5) .....	9	-	-	1	5	2	-	-	-	-	-	1	-
Pedal cyclist, other (E800-E807 (.3), E820-E825 (.6), E826 (.1,.9), E827-E829 (.1)) .....	141	-	3	21	10	23	30	20	12	13	7	2	-
Pedestrian, other (E800-E807 (.2), E820-E825 (.7), E826-E829 (.0)) ..	878	3	103	45	111	139	177	102	64	54	53	21	6

See footnotes at end of table.

**Table 19. Deaths, death rates, and age-adjusted death rates for injury deaths according to mechanism and intent of death: United States, 1997- Con.**

[Totals for selected causes of death differ from those shown in other tables that utilize standard mortality tabulation lists, see Technical notes. Rates per 100,000 in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes]

Mechanism and intent of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	All ages <sup>2</sup>	Under 1 year <sup>3</sup>	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Age- adjusted rate <sup>4</sup>
													Rate
All injury deaths (E800-E869, E880-E929, E950-E999) .....	54.7	29.2	15.5	10.7	65.6	60.5	59.2	52.2	49.3	60.6	118.5	288.0	49.1
Unintentional (E800-E869, E880-E929) .....	34.5	19.4	12.8	8.6	36.4	31.6	32.6	30.1	30.8	42.5	95.5	261.9	29.3
Suicide (E950-E959) .....	11.4	...	...	0.8	11.4	14.3	15.3	14.7	13.5	14.4	19.3	20.8	10.6
Homicide (E960-E969) .....	7.3	8.3	2.4	1.2	16.6	12.5	8.1	5.4	3.8	2.9	2.8	3.8	7.8
Undetermined (E980-E989) .....	1.4	1.5	0.3	0.1	1.0	1.8	2.9	1.9	1.0	0.6	0.8	1.4	1.3
Other (E970-E978, E990-E999) .....	0.1	*	*	*	0.2	0.3	0.2	0.1	*	*	*	*	0.1
Cut/pierce (E920, E956, E966, E974, E986) .....	1.1	*	*	0.1	1.4	1.7	1.7	1.2	0.9	0.8	0.9	1.3	1.1
Unintentional (E920) .....	0.0	*	*	*	*	*	0.0	*	*	*	*	*	*
Suicide (E956) .....	0.2	...	...	*	*	0.2	0.3	0.3	0.2	0.2	0.4	0.6	0.1
Homicide (E966) .....	0.8	*	*	0.1	1.3	1.5	1.3	0.8	0.6	0.5	0.5	0.6	0.9
Undetermined (E986) .....	*	*	*	*	*	*	*	*	*	*	*	*	*
Other (E974) .....	*	*	*	*	*	*	*	*	*	*	*	*	*
Drowning (E830, E832, E910, E954, E964, E984) .....	1.8	2.1	3.1	1.2	2.0	1.9	1.7	1.6	1.5	1.5	2.0	2.5	1.8
Unintentional (E830, E832, E910) ....	1.5	1.6	3.0	1.2	1.8	1.6	1.4	1.3	1.2	1.2	1.6	1.8	1.5
Suicide (E954) .....	0.1	...	...	*	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.6	0.1
Homicide (E964) .....	0.0	*	*	*	*	*	*	*	*	*	*	*	*
Undetermined (E984) .....	0.1	*	*	*	0.1	0.1	0.1	0.1	0.1	*	*	*	0.1
Fall (E880-E886, E888, E957, E968.1, E987) .....	4.7	*	0.3	0.1	1.0	1.3	1.8	2.3	3.8	8.9	29.3	105.6	2.5
Unintentional (E880-E886, E888) ....	4.4	*	0.3	0.1	0.7	0.9	1.4	2.1	3.6	8.5	28.9	104.9	2.2
Suicide (E957) .....	0.2	...	...	*	0.2	0.3	0.3	0.2	0.2	0.3	0.4	0.6	0.2
Homicide (E968.1) .....	0.0	*	*	*	*	*	*	*	*	*	*	*	*
Undetermined (E987) .....	0.0	*	*	*	*	*	*	*	*	*	*	*	*
Fire/hot object/substance (E890-E899, E924, E958 (.1,.2,.7), E961, E968 (.0,.3), E988 (.1,.2,.7)) .....	1.5	1.5	2.5	0.8	0.7	0.9	1.2	1.4	1.9	2.5	4.6	8.1	1.3
Unintentional (E890-E899, E924) ....	1.3	1.4	2.3	0.7	0.5	0.7	1.0	1.1	1.7	2.3	4.4	7.8	1.1
Suicide (E958 (.1,.2,.7)) .....	0.1	...	...	*	0.1	0.1	0.1	0.1	0.2	*	*	*	0.1
Homicide (E961, E968 (.0,.3)) .....	0.1	*	0.1	0.1	0.1	0.1	0.1	*	*	*	*	*	0.1
Undetermined (E988 (.1,.2,.7)) .....	0.0	*	*	*	*	*	*	*	*	*	*	*	*
Firearm (E922, E955 (.0-.4), E965 (.0-.4), E970, E985 (.0-.4)) .....	12.1	*	0.5	1.4	22.3	17.8	13.2	11.5	11.0	11.9	14.9	14.3	12.2
Unintentional (E922) .....	0.4	*	0.1	0.3	0.8	0.4	0.3	0.3	0.3	0.3	0.2	*	0.4
Suicide (E955 (.0-.4)) .....	6.6	...	...	0.3	7.1	7.6	7.5	7.9	8.5	10.3	13.7	12.8	6.0
Homicide (E965 (.0-.4)) .....	5.0	*	0.3	0.7	14.0	9.4	5.0	3.2	2.0	1.2	0.8	1.0	5.5
Undetermined (E985 (.0-.4)) .....	0.1	*	*	*	0.3	0.2	0.1	0.1	0.1	*	*	*	0.1
Other (E970) .....	0.1	*	*	*	0.2	0.2	0.2	0.1	*	*	*	*	0.1
Machinery (E919) .....	0.4	*	*	0.1	0.2	0.3	0.4	0.5	0.7	0.8	0.8	0.6	0.3
Motor vehicle traffic, all (E810-E819, E958.5, E988.5) .....	15.9	4.2	4.3	4.8	27.5	18.7	14.8	14.0	14.9	17.9	28.3	32.0	15.5
Unintentional (E810-E819) <sup>1</sup> .....	15.8	4.2	4.3	4.8	27.4	18.6	14.7	13.9	14.9	17.9	28.2	31.8	15.5
Occupant (E810-E819 (.0,.1)) .....	12.0	4.0	2.7	2.7	23.4	14.1	10.4	10.0	11.0	13.8	22.2	24.3	11.9
Motor cyclist (E810-E819 (.2,.3)) .....	0.8	*	*	*	1.4	1.6	1.1	0.9	0.6	0.2	*	*	0.8
Pedal cyclist (E810-E819 (.6)) .....	0.4	*	*	0.6	0.4	0.3	0.4	0.3	0.3	0.2	0.3	*	0.4
Pedestrian (E810-E819 (.7)) .....	2.6	*	1.5	1.4	2.2	2.5	2.8	2.8	3.0	3.6	5.5	7.2	2.4
Unspecified (E810-E819 (.9)) <sup>5</sup> ....	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicide (E958.5) .....	0.0	...	...	*	0.1	0.1	0.1	*	*	*	*	*	0.1
Undetermined (E988.5) .....	*	*	*	*	*	*	*	*	*	*	*	*	*
Pedal cyclist, other (E800-E807 (.3), E820-E825 (.6), E826 (.1,.9), E827-E829 (.1)) .....	0.1	*	*	0.1	*	0.1	0.1	0.1	*	*	*	*	0.1
Pedestrian, other (E800-E807 (.2), E820-E825 (.7), E826-E829 (.0)) ..	0.3	*	0.7	0.1	0.3	0.4	0.4	0.3	0.3	0.3	0.5	0.5	0.3

See footnotes at end of table.



**Table 19. Deaths, death rates, and age-adjusted death rates for injury deaths according to mechanism and intent of death: United States, 1997- Con.**

[Totals for selected causes of death differ from those shown in other tables that utilize standard mortality tabulation lists, see Technical notes. Rates per 100,000 in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes]

Mechanism and intent of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	Number												
	All ages	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Age not stated
Transportation, all other (E800-E807 (.0-.1,.8,.9), E820-E825 (.0-.5,.8,.9), E826 (.2-.8), E827-E829 (.2-.9), E831, E833-E845, E958.6, E988.6) .....	1,852	4	15	113	270	342	378	324	195	118	73	20	-
Unintentional (E800-E807 (.0-.1,.8,.9), E820-E825 (.0-.5,.8,.9), E826 (.2-.8), E827-E829 (.2-.9), E831, E833-E845) .....	1,848	4	15	113	270	341	378	324	194	116	73	20	-
Suicide (E958.6) .....	2	...	...	-	-	-	-	-	1	1	-	-	-
Undetermined (E988.6) .....	2	-	-	-	-	1	-	-	-	1	-	-	-
Natural/environmental (E900-E909, E928 (.0-.2), E958.3, E988.3) .....	1,334	14	31	36	77	96	188	179	163	164	217	156	13
Unintentional (E900-E909, E928 (.0-.2)) .....	1,316	14	31	36	77	94	180	178	161	164	215	154	12
Suicide (E958.3) .....	5	...	...	-	-	1	1	1	1	-	1	-	-
Undetermined (E988.3) .....	13	-	-	-	-	1	7	-	1	-	1	2	1
Poisoning (E850-E869, E950-E952, E962, E972, E980-E982) .....	17,692	14	44	74	1,217	3,592	6,564	3,659	1,127	634	508	233	26
Unintentional (E850-E869) .....	10,163	6	33	42	730	2,187	3,984	1,984	502	271	268	137	19
Suicide (E950-E952) .....	5,128	...	...	14	324	900	1,554	1,216	508	313	213	84	2
Homicide (E962) .....	69	6	7	10	3	9	5	3	7	6	4	-	-
Undetermined (E980-E982) .....	2,331	2	4	8	160	496	1,016	454	114	43	21	8	5
Other (E972) .....	1	-	-	-	-	-	1	-	-	-	-	-	-
Struck by/against (E916-E917, E960.0, E968.2, E973, E975) .....	1,349	8	49	60	166	207	277	215	147	118	70	32	-
Unintentional (E916-E917) .....	974	5	37	50	104	137	185	164	118	93	54	27	-
Homicide (E960.0, E968.2) .....	364	3	12	10	61	63	90	51	29	24	16	5	-
Other (E973, E975) .....	11	-	-	-	1	7	2	-	-	1	-	-	-
Suffocation (E911-E913, E953, E963, E983) .....	10,650	434	168	332	1,281	1,690	1,719	1,024	682	837	1,253	1,213	17
Unintentional (E911-E913) .....	4,420	379	142	138	146	215	294	277	292	535	945	1,056	1
Suicide (E953) .....	5,413	...	...	156	1,008	1,284	1,255	676	350	263	269	145	7
Homicide (E963) .....	724	32	21	22	115	183	157	65	34	37	38	12	8
Undetermined (E983) .....	93	23	5	16	12	8	13	6	6	2	1	-	1
Other specified (classifiable and not elsewhere classifiable) and unspecified (E846-E848, E887, E914-E915, E918, E921, E923, E925-E927, E928 (.8,.9), E929, E955 (.5,.9), E958 (.0,.4,.8,.9), E959, E960.1, E965 (.5-.9), E967, E968 (.4,.8,.9), E969, E971, E976-E978, E985.5, E988 (.0,.4,.8,.9), E989-E999) .....	12,314	308	306	155	740	1,036	1,433	1,136	767	1,078	2,229	3,110	16
Unintentional (E846-E848, E887, E914-E915, E918, E921, E923, E925-E927, E928 (.8-.9), E929) ....	8,623	41	49	89	335	441	635	592	501	884	2,044	3,011	1
Suicide (E955 (.5,.9), E958 (.0,.4,.8,.9), E959) .....	611	...	...	4	87	139	174	96	40	29	36	6	-
Homicide (E960.1, E965 (.5-.9), E967, E968 (.4,.8,.9), E969) .....	2,558	244	243	61	290	385	479	350	180	132	118	63	13
Undetermined (E985.5, E988 (.0,.4,.8,.9), E989) .....	441	23	14	1	27	52	110	85	40	29	28	30	2
Other (E971, E976-E978, E990-E996, E997, E998-E999) .....	81	-	-	-	1	19	35	13	6	4	3	-	-

See footnotes at end of table.

**Table 19. Deaths, death rates, and age-adjusted death rates for injury deaths according to mechanism and intent of death: United States, 1997- Con.**

[Totals for selected causes of death differ from those shown in other tables that utilize standard mortality tabulation lists, see Technical notes. Rates per 100,000 in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes]

Mechanism and intent of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	All ages <sup>2</sup>	Under 1 year <sup>3</sup>	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Age- adjusted rate <sup>4</sup>
													Rate
Transportation, all other (E800-E807 (.0-.1,.8,.9), E820-E825 (.0-.5,.8,.9), E826 (.2-.8), E827-E829 (.2-.9), E831, E833-E845, E958.6, E988.6) .....	0.7	*	*	0.3	0.7	0.9	0.9	1.0	0.9	0.6	0.6	0.5	0.7
Unintentional (E800-E807 (.0-.1,.8,.9), E820-E825 (.0-.5,.8,.9), E826 (.2-.8), E827-E829 (.2-.9), E831, E833-E845) .....	0.7	*	*	0.3	0.7	0.9	0.9	1.0	0.9	0.6	0.6	0.5	0.7
Suicide (E958.6) .....	*	...	...	*	*	*	*	*	*	*	*	*	*
Undetermined (E988.6) .....	*	*	*	*	*	*	*	*	*	*	*	*	*
Natural/environmental (E900-E909, E928 (.0-.2), E958.3, E988.3) .....	0.5	*	0.2	0.1	0.2	0.2	0.4	0.5	0.7	0.9	1.9	4.0	0.4
Unintentional (E900-E909, E928 (.0-.2)) .....	0.5	*	0.2	0.1	0.2	0.2	0.4	0.5	0.7	0.9	1.8	4.0	0.4
Suicide (E958.3) .....	*	...	...	*	*	*	*	*	*	*	*	*	*
Undetermined (E988.3) .....	*	*	*	*	*	*	*	*	*	*	*	*	*
Poisoning (E850-E869, E950-E952, E962, E972, E980-E982) .....	6.6	*	0.3	0.2	3.3	9.1	14.9	10.9	5.2	3.4	4.3	6.0	6.2
Unintentional (E850-E869) .....	3.8	*	0.2	0.1	2.0	5.5	9.1	5.9	2.3	1.5	2.3	3.5	3.6
Suicide (E950-E952) .....	1.9	...	...	*	0.9	2.3	3.5	3.6	2.3	1.7	1.8	2.2	1.8
Homicide (E962) .....	0.0	*	*	*	*	*	*	*	*	*	*	*	*
Undetermined (E980-E982) .....	0.9	*	*	*	0.4	1.3	2.3	1.3	0.5	0.2	0.2	*	0.8
Other (E972) .....	*	*	*	*	*	*	*	*	*	*	*	*	*
Struck by/against (E916-E917, E960.0, E968.2, E973, E975) .....	0.5	*	0.3	0.2	0.5	0.5	0.6	0.6	0.7	0.6	0.6	0.8	0.5
Unintentional (E916-E917) .....	0.4	*	0.2	0.1	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.7	0.3
Homicide (E960.0, E968.2) .....	0.1	*	*	*	0.2	0.2	0.2	0.2	0.1	0.1	*	*	0.1
Other (E973, E975) .....	*	*	*	*	*	*	*	*	*	*	*	*	*
Suffocation (E911-E913, E953, E963, E983) .....	4.0	11.4	1.1	0.9	3.5	4.3	3.9	3.0	3.1	4.5	10.7	31.3	3.4
Unintentional (E911-E913) .....	1.7	10.0	0.9	0.4	0.4	0.5	0.7	0.8	1.3	2.9	8.1	27.3	1.1
Suicide (E953) .....	2.0	...	...	0.4	2.8	3.2	2.9	2.0	1.6	1.4	2.3	3.7	2.0
Homicide (E963) .....	0.3	0.8	0.1	0.1	0.3	0.5	0.4	0.2	0.2	0.2	0.3	*	0.3
Undetermined (E983) .....	0.0	0.6	*	*	*	*	*	*	*	*	*	*	*
Other specified (classifiable and not elsewhere classifiable) and unspecified (E846-E848, E887, E914-E915, E918, E921, E923, E925-E927, E928 (.8,.9), E929, E955 (.5,.9), E958 (.0,.4,.8,.9), E959, E960.1, E965 (.5-.9), E967, E968 (.4,.8,.9), E969, E971, E976-E978, E985.5, E988 (.0,.4,.8,.9), E989-E999) .....	4.6	8.1	2.0	0.4	2.0	2.6	3.3	3.4	3.5	5.8	19.0	80.3	3.1
Unintentional (E846-E848, E887, E914-E915, E918, E921, E923, E925-E927, E928 (.8-.9), E929) ....	3.2	1.1	0.3	0.2	0.9	1.1	1.4	1.8	2.3	4.8	17.5	77.8	1.8
Suicide (E955 (.5,.9), E958 (.0,.4,.8,.9), E959) .....	0.2	...	...	*	0.2	0.4	0.4	0.3	0.2	0.2	0.3	*	0.2
Homicide (E960.1, E965 (.5-.9), E967, E968 (.4,.8,.9), E969) .....	1.0	6.4	1.6	0.2	0.8	1.0	1.1	1.0	0.8	0.7	1.0	1.6	0.9
Undetermined (E985.5, E988 (.0,.4,.8,.9), E989) .....	0.2	0.6	*	*	0.1	0.1	0.3	0.3	0.2	0.2	0.2	0.8	0.2
Other (E971, E976-E978, E990-E996, E997, E998-E999) .....	0.0	*	*	*	*	*	0.1	*	*	*	*	*	*

- Quantity zero.

\* Figure does not meet standards of reliability or precision; see Technical notes.

... Category not applicable.

<sup>1</sup> Includes deaths from causes not shown separately; see Technical notes.

<sup>2</sup> Figures for age not stated included in "All ages" but not distributed among age groups.

<sup>3</sup> Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see Technical notes.

<sup>4</sup> For method of computation, see Technical notes.

<sup>5</sup> In the rate calculations, the 4th digit .9 codes for unspecified person were proportionately distributed according to the known distribution of occupant and motorcyclist deaths in each age group. For method of computation, see Technical notes.

**Table 20. Number of deaths, death rates, and age-adjusted death rates for drug-induced causes, by race and sex: United States, 1979-97**

[Rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. For listing of drug-induced causes, see Technical notes]

Year	All races						All other					
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Number												
1997	15,973	10,991	4,982	12,863	8,821	4,042	3,110	2,170	940	2,816	1,988	828
1996	14,843	10,093	4,750	11,903	8,061	3,842	2,940	2,032	908	2,682	1,876	806
1995	14,218	9,909	4,309	11,173	7,730	3,443	3,045	2,179	866	2,800	2,011	789
1994	13,923	9,491	4,432	10,895	7,339	3,556	3,028	2,152	876	2,780	1,995	785
1993	13,275	9,052	4,223	10,394	7,005	3,389	2,881	2,047	834	2,688	1,924	764
1992	11,703	7,766	3,937	9,360	6,124	3,236	2,343	1,642	701	2,148	1,533	615
1991	10,388	6,593	3,795	8,204	5,129	3,075	2,184	1,464	720	2,037	1,385	652
1990	9,463	5,897	3,566	7,603	4,646	2,957	1,860	1,251	609	1,703	1,155	548
1989	10,710	6,895	3,815	8,336	5,249	3,087	2,374	1,646	728	2,236	1,570	666
1988	10,917	7,004	3,913	8,409	5,234	3,175	2,508	1,770	738	2,395	1,700	695
1987	9,796	6,146	3,650	7,547	4,600	2,947	2,249	1,546	703	2,101	1,465	636
1986	9,976	6,284	3,692	7,948	4,885	3,063	2,028	1,399	629	1,906	1,335	571
1985	8,663	5,342	3,321	6,946	4,172	2,774	1,717	1,170	547	1,600	1,107	493
1984	7,892	4,640	3,252	6,309	3,587	2,722	1,583	1,053	530	1,480	997	483
1983	7,492	4,145	3,347	6,187	3,378	2,809	1,305	767	538	1,194	724	470
1982	7,310	4,130	3,180	5,991	3,251	2,740	1,319	879	440	1,212	822	390
1981	7,106	3,835	3,271	5,863	3,042	2,821	1,243	793	450	1,152	751	401
1980	6,900	3,771	3,129	5,814	3,088	2,726	1,086	683	403	1,006	648	358
1979	7,101	3,656	3,445	6,116	3,077	3,039	985	579	406	897	540	357
Rate												
1997	6.0	8.4	3.6	5.8	8.1	3.6	6.7	9.8	3.9	8.3	12.3	4.6
1996	5.6	7.8	3.5	5.4	7.5	3.4	6.5	9.3	3.8	8.0	11.8	4.6
1995	5.4	7.7	3.2	5.1	7.2	3.1	6.8	10.2	3.7	8.4	12.8	4.5
1994	5.3	7.5	3.3	5.0	6.9	3.2	6.9	10.3	3.8	8.5	12.9	4.6
1993	5.1	7.2	3.2	4.8	6.7	3.1	6.7	10.0	3.7	8.4	12.6	4.5
1992	4.6	6.2	3.0	4.4	5.9	3.0	5.6	8.2	3.2	6.8	10.2	3.7
1991	4.1	5.4	2.9	3.9	5.0	2.9	5.3	7.4	3.3	6.5	9.4	4.0
1990	3.8	4.9	2.8	3.6	4.5	2.8	4.6	6.6	2.9	5.6	8.0	3.4
1989	4.3	5.7	3.0	4.0	5.2	2.9	6.0	8.8	3.5	7.4	11.0	4.2
1988	4.5	5.9	3.1	4.1	5.2	3.0	6.5	9.7	3.7	8.1	12.1	4.4
1987	4.0	5.2	2.9	3.7	4.6	2.8	6.0	8.6	3.6	7.2	10.6	4.1
1986	4.2	5.4	3.0	3.9	4.9	2.9	5.5	8.0	3.3	6.6	9.8	3.7
1985	3.6	4.6	2.7	3.4	4.2	2.7	4.8	6.8	2.9	5.6	8.2	3.3
1984	3.3	4.0	2.7	3.1	3.7	2.6	4.5	6.3	2.9	5.2	7.5	3.2
1983	3.2	3.6	2.8	3.1	3.5	2.8	3.8	4.7	3.0	4.3	5.5	3.2
1982	3.2	3.7	2.7	3.0	3.4	2.7	3.9	5.5	2.5	4.4	6.3	2.7
1981	3.1	3.4	2.8	3.0	3.2	2.8	3.8	5.1	2.6	4.2	5.9	2.8
1980	3.0	3.4	2.7	3.0	3.3	2.7	3.4	4.5	2.4	3.8	5.1	2.5
1979	3.2	3.4	3.0	3.2	3.3	3.1	3.2	4.0	2.5	3.4	4.3	2.6
Age-adjusted rate <sup>1</sup>												
1997	5.6	7.9	3.3	5.4	7.6	3.3	6.5	9.8	3.7	8.2	12.6	4.4
1996	5.2	7.3	3.2	5.0	6.9	3.1	6.3	9.5	3.6	8.0	12.2	4.4
1995	5.1	7.3	3.0	4.8	6.8	2.8	6.7	10.4	3.5	8.5	13.3	4.4
1994	5.0	7.0	3.0	4.7	6.5	2.9	6.8	10.5	3.7	8.6	13.4	4.4
1993	4.8	6.8	3.0	4.5	6.2	2.8	6.6	10.0	3.6	8.3	13.0	4.4
1992	4.3	5.9	2.8	4.1	5.5	2.7	5.5	8.3	3.1	6.8	10.6	3.6
1991	3.8	5.0	2.7	3.6	4.6	2.6	5.2	7.5	3.2	6.6	9.7	3.9
1990	3.6	4.6	2.6	3.3	4.2	2.5	4.6	6.7	2.8	5.7	8.4	3.4
1989	4.1	5.4	2.8	3.7	4.8	2.6	6.0	8.9	3.4	7.5	11.4	4.1
1988	4.2	5.6	2.9	3.8	4.9	2.7	6.6	10.0	3.6	8.3	12.9	4.4
1987	3.8	5.0	2.7	3.4	4.3	2.5	6.0	9.0	3.5	7.4	11.3	4.1
1986	4.0	5.2	2.8	3.7	4.7	2.7	5.6	8.4	3.2	6.9	10.5	3.7
1985	3.5	4.5	2.6	3.3	4.0	2.5	4.9	7.2	2.9	5.9	8.9	3.3
1984	3.2	3.9	2.6	3.0	3.5	2.5	4.6	6.7	2.9	5.5	8.2	3.3
1983	3.1	3.6	2.6	3.0	3.3	2.5	4.0	5.1	3.0	4.6	6.1	3.3
1982	3.1	3.6	2.6	2.9	3.3	2.5	4.1	5.8	2.6	4.7	6.9	2.8
1981	3.1	3.4	2.7	2.9	3.1	2.7	4.0	5.5	2.7	4.6	6.6	2.9
1980	3.0	3.4	2.6	2.9	3.2	2.6	3.7	4.9	2.5	4.1	5.8	2.7
1979	3.1	3.4	2.9	3.1	3.2	3.0	3.4	4.3	2.6	3.7	4.9	2.7

<sup>1</sup> For method of computation, see Technical notes.

**Table 21. Number of deaths, death rates, and age-adjusted death rates for alcohol-induced causes, by race and sex: United States, 1979-97**

[Rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. For listing of alcohol-induced causes, see Technical notes]

Year	All races						All other					
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Number												
1997	19,576	14,755	4,821	15,962	12,110	3,852	3,614	2,645	969	2,954	2,196	758
1996	19,770	14,926	4,844	15,868	12,057	3,811	3,902	2,869	1,033	3,224	2,400	824
1995	20,231	15,443	4,788	15,991	12,338	3,653	4,240	3,105	1,135	3,538	2,614	924
1994	20,163	15,293	4,870	15,853	12,154	3,699	4,310	3,139	1,171	3,648	2,700	948
1993	19,557	14,873	4,684	15,293	11,716	3,577	4,264	3,157	1,107	3,663	2,759	904
1992	19,568	14,926	4,642	15,143	11,701	3,442	4,425	3,225	1,200	3,809	2,800	1,009
1991	19,233	14,467	4,766	14,825	11,286	3,539	4,408	3,181	1,227	3,883	2,816	1,067
1990	19,757	14,842	4,915	14,904	11,334	3,570	4,853	3,508	1,345	4,337	3,172	1,165
1989	19,810	14,960	4,850	14,832	11,307	3,525	4,978	3,653	1,325	4,400	3,263	1,137
1988	18,872	14,206	4,666	14,035	10,681	3,354	4,837	3,525	1,312	4,294	3,159	1,135
1987	17,819	13,461	4,358	13,361	10,172	3,189	4,458	3,289	1,169	4,055	3,028	1,027
1986	17,425	12,986	4,439	13,198	9,864	3,334	4,227	3,122	1,105	3,853	2,862	991
1985	17,741	13,216	4,525	13,216	9,922	3,294	4,525	3,294	1,231	4,114	3,030	1,084
1984	17,606	12,995	4,611	13,384	9,986	3,398	4,222	3,009	1,213	3,776	2,710	1,066
1983	17,400	12,812	4,588	13,288	9,863	3,425	4,112	2,949	1,163	3,708	2,668	1,040
1982	17,541	12,903	4,638	13,527	10,042	3,485	4,014	2,861	1,153	3,603	2,573	1,030
1981	18,660	13,600	5,060	14,199	10,441	3,758	4,461	3,159	1,302	4,000	2,858	1,142
1980	19,765	14,447	5,318	14,815	10,936	3,879	4,950	3,511	1,439	4,451	3,170	1,281
1979	18,951	13,788	5,163	14,334	10,513	3,821	4,617	3,275	1,342	4,132	2,953	1,179
Rate												
1997	7.3	11.3	3.5	7.2	11.1	3.4	7.8	12.0	4.0	8.7	13.6	4.3
1996	7.5	11.5	3.6	7.2	11.2	3.4	8.6	13.2	4.3	9.6	15.1	4.7
1995	7.7	12.0	3.6	7.3	11.5	3.3	9.5	14.6	4.9	10.7	16.6	5.3
1994	7.7	12.0	3.7	7.3	11.5	3.4	9.8	15.0	5.1	11.2	17.4	5.5
1993	7.6	11.8	3.5	7.1	11.1	3.3	9.9	15.4	4.9	11.4	18.1	5.3
1992	7.7	12.0	3.6	7.1	11.2	3.2	10.5	16.0	5.5	12.0	18.7	6.1
1991	7.6	11.8	3.7	7.0	10.9	3.3	10.7	16.1	5.7	12.5	19.1	6.5
1990	7.9	12.2	3.9	7.1	11.1	3.4	12.1	18.4	6.4	14.2	22.0	7.3
1989	8.0	12.4	3.8	7.1	11.1	3.3	12.7	19.5	6.5	14.6	22.9	7.2
1988	7.7	11.9	3.7	6.8	10.6	3.2	12.6	19.3	6.5	14.4	22.5	7.2
1987	7.4	11.4	3.5	6.5	10.2	3.0	11.9	18.4	6.0	13.8	21.8	6.6
1986	7.3	11.1	3.6	6.5	9.9	3.2	11.5	17.8	5.8	13.3	20.9	6.5
1985	7.5	11.4	3.7	6.5	10.1	3.2	12.6	19.3	6.5	14.4	22.4	7.2
1984	7.5	11.3	3.8	6.7	10.2	3.3	12.0	18.0	6.6	13.4	20.3	7.2
1983	7.4	11.3	3.8	6.7	10.1	3.4	12.0	18.0	6.5	13.3	20.3	7.1
1982	7.6	11.5	3.9	6.8	10.4	3.4	11.9	17.9	6.5	13.1	19.8	7.1
1981	8.1	12.2	4.3	7.2	10.9	3.7	13.6	20.2	7.6	14.7	22.3	8.0
1980	8.7	13.1	4.6	7.6	11.5	3.9	15.6	23.3	8.6	16.7	25.2	9.1
1979	8.4	12.6	4.5	7.4	11.1	3.8	15.0	22.4	8.3	15.7	23.7	8.5
Age-adjusted rate <sup>1</sup>												
1997	6.3	9.9	2.9	6.0	9.4	2.7	8.1	13.4	3.9	9.2	15.6	4.2
1996	6.4	10.2	3.0	6.0	9.5	2.8	9.0	14.7	4.3	10.2	17.2	4.7
1995	6.7	10.8	3.0	6.2	9.9	2.7	10.1	16.7	4.8	11.5	19.4	5.3
1994	6.8	10.9	3.1	6.2	9.9	2.7	10.6	17.3	5.2	12.2	20.4	5.6
1993	6.7	10.8	3.0	6.1	9.7	2.7	10.8	17.8	5.0	12.5	21.3	5.5
1992	6.8	11.0	3.1	6.1	9.9	2.6	11.6	18.9	5.6	13.4	22.3	6.3
1991	6.8	10.9	3.2	6.0	9.7	2.7	11.8	19.2	5.9	13.9	22.9	6.8
1990	7.2	11.4	3.4	6.2	9.9	2.8	13.6	22.0	6.8	16.1	26.6	7.7
1989	7.3	11.7	3.4	6.2	9.9	2.8	14.3	23.3	6.9	16.6	27.7	7.8
1988	7.1	11.3	3.3	5.9	9.5	2.7	14.3	23.2	7.0	16.6	27.3	7.9
1987	6.8	10.9	3.2	5.8	9.2	2.6	13.5	22.2	6.5	15.9	26.7	7.3
1986	6.7	10.6	3.3	5.7	9.0	2.7	13.1	21.6	6.2	15.3	25.5	7.1
1985	7.0	11.0	3.4	5.8	9.2	2.8	14.6	23.5	7.2	16.8	27.7	8.0
1984	7.0	10.9	3.5	5.9	9.3	2.9	14.0	22.2	7.3	15.7	25.4	8.0
1983	7.0	10.9	3.5	6.0	9.3	2.9	14.0	22.3	7.3	15.8	25.4	8.0
1982	7.2	11.2	3.6	6.2	9.7	3.0	14.2	22.4	7.4	15.7	25.1	8.1
1981	7.8	12.0	4.1	6.6	10.2	3.3	16.3	25.6	8.7	17.9	28.5	9.3
1980	8.4	13.0	4.3	6.9	10.8	3.5	18.8	29.5	10.0	20.4	32.4	10.6
1979	8.2	12.6	4.3	6.8	10.6	3.5	18.1	28.3	9.7	19.2	30.4	10.1

<sup>1</sup> For method of computation, see Technical notes.

**Table 22. Number of deaths, death rates, and age-adjusted death rates for ages 15 years and over, by race, sex, and marital status: United States, 1997**

[Rates per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population, see Technical notes]

Race, sex, and marital status	15 years and over <sup>1</sup>	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over	Age-adjusted rate <sup>2</sup>
	Number								
All races <sup>3</sup> , both sexes	2,272,237	31,544	45,538	89,408	144,882	231,993	464,274	1,264,598	...
Never married	228,711	28,526	24,993	29,309	23,320	20,421	29,799	72,343	...
Ever married	2,034,775	2,914	20,174	59,139	120,326	210,129	432,600	1,189,493	...
Married	938,886	2,482	14,552	37,824	77,399	138,261	262,314	406,054	...
Widowed	870,581	55	369	1,765	6,224	26,027	115,623	720,518	...
Divorced	225,308	377	5,253	19,550	36,703	45,841	54,663	62,921	...
Not stated	8,751	104	371	960	1,236	1,443	1,875	2,762	...
All races <sup>3</sup> , male	1,130,050	23,312	31,707	58,141	90,587	138,876	263,875	523,552	...
Never married	137,364	21,461	18,818	21,428	16,245	13,647	19,007	26,758	...
Ever married	986,307	1,766	12,589	35,918	73,306	124,040	243,442	495,246	...
Married	648,553	1,531	9,076	22,627	47,856	88,921	179,117	299,425	...
Widowed	213,699	24	159	649	1,933	7,354	33,615	169,965	...
Divorced	124,055	211	3,354	12,642	23,517	27,765	30,710	25,856	...
Not stated	6,379	85	300	795	1,036	1,189	1,426	1,548	...
All races <sup>3</sup> , female	1,142,187	8,232	13,831	31,267	54,295	93,117	200,399	741,046	...
Never married	91,347	7,065	6,175	7,881	7,075	6,774	10,792	45,585	...
Ever married	1,048,468	1,148	7,585	23,221	47,020	86,089	189,158	694,247	...
Married	290,333	951	5,476	15,197	29,543	49,340	83,197	106,629	...
Widowed	656,882	31	210	1,116	4,291	18,673	82,008	550,553	...
Divorced	101,253	166	1,899	6,908	13,186	18,076	23,953	37,065	...
Not stated	2,372	19	71	165	200	254	449	1,214	...
White, both sexes	1,967,898	22,567	32,260	65,155	111,404	187,847	399,798	1,148,867	...
Never married	172,673	20,071	15,882	18,050	15,133	14,210	23,903	65,424	...
Ever married	1,789,046	2,421	16,112	46,492	95,457	172,644	374,548	1,081,372	...
Married	831,265	2,044	11,437	29,464	62,658	116,627	233,662	375,373	...
Widowed	769,787	47	248	1,116	3,942	18,945	94,965	650,524	...
Divorced	187,994	330	4,427	15,912	28,857	37,072	45,921	55,475	...
Not stated	6,179	75	266	613	814	993	1,347	2,071	...
White, male	970,460	16,414	22,748	43,192	70,200	113,303	229,501	475,102	...
Never married	100,594	14,893	12,357	14,010	10,799	9,626	15,302	23,607	...
Ever married	865,363	1,459	10,164	28,669	58,709	102,843	213,181	450,338	...
Married	575,420	1,260	7,178	17,690	38,637	74,804	159,591	276,260	...
Widowed	186,730	23	118	445	1,254	5,351	27,699	151,840	...
Divorced	103,213	176	2,868	10,534	18,818	22,688	25,891	22,238	...
Not stated	4,503	62	227	513	692	834	1,018	1,157	...
White, female	997,438	6,153	9,512	21,963	41,204	74,544	170,297	673,765	...
Never married	72,079	5,178	3,525	4,040	4,334	4,584	8,601	41,817	...
Ever married	923,683	962	5,948	17,823	36,748	69,801	161,367	631,034	...
Married	255,845	784	4,259	11,774	24,021	41,823	74,071	99,113	...
Widowed	583,057	24	130	671	2,688	13,594	67,266	498,684	...
Divorced	84,781	154	1,559	5,378	10,039	14,384	20,030	33,237	...
Not stated	1,676	13	39	100	122	159	329	914	...
Black, both sexes	264,661	7,738	11,675	21,647	29,614	38,644	55,901	99,442	...
Never married	51,363	7,316	8,208	10,587	7,685	5,836	5,422	6,309	...
Ever married	210,869	394	3,371	10,737	21,540	32,374	49,979	92,474	...
Married	87,583	347	2,549	6,908	12,292	17,911	23,479	24,097	...
Widowed	89,230	6	116	590	2,085	6,419	18,443	61,571	...
Divorced	34,056	41	706	3,239	7,163	8,044	8,057	6,806	...
Not stated	2,429	28	96	323	389	434	500	659	...
Black, male	137,466	6,021	7,870	13,345	18,067	22,265	29,660	40,238	...
Never married	33,435	5,738	5,764	6,928	5,092	3,774	3,368	2,771	...
Ever married	102,272	261	2,037	6,158	12,659	18,148	25,906	37,103	...
Married	59,355	228	1,574	4,109	7,733	11,654	16,083	17,974	...
Widowed	23,964	1	40	182	633	1,853	5,367	15,888	...
Divorced	18,953	32	423	1,867	4,293	4,641	4,456	3,241	...
Not stated	1,759	22	69	259	316	343	386	364	...
Black, female	127,195	1,717	3,805	8,302	11,547	16,379	26,241	59,204	...
Never married	17,928	1,578	2,444	3,659	2,593	2,062	2,054	3,538	...
Ever married	108,597	133	1,334	4,579	8,881	14,226	24,073	55,371	...
Married	28,228	119	975	2,799	4,559	6,257	7,396	6,123	...
Widowed	65,266	5	76	408	1,452	4,566	13,076	45,683	...
Divorced	15,103	9	283	1,372	2,870	3,403	3,601	3,565	...
Not stated	670	6	27	64	73	91	114	295	...

See footnotes at end of table.

**Table 22. Number of deaths, death rates, and age-adjusted death rates for ages 15 years and over, by race, sex, and marital status: United States, 1997 - Con.**

[Rates per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population, see Technical notes]

Race, sex, and marital status	15 years and over <sup>1</sup>	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over	Age-adjusted rate <sup>2</sup>
	Rate								
All races <sup>3</sup> , both sexes .....	1,083.5	86.2	115.0	203.2	430.8	1,063.6	2,509.8	8,118.3	823.3
Never married .....	397.7	89.0	182.7	447.5	878.6	1,823.2	3,809.1	10,685.3	1,304.4
Ever married .....	1,336.9	64.1	77.8	157.9	388.4	1,015.5	2,441.8	7,983.2	775.5
Married .....	796.5	60.0	63.3	120.9	312.1	864.3	2,175.7	6,165.2	638.1
Widowed .....	5,863.3	*	331.7	496.0	753.7	1,424.8	2,808.9	9,497.3	1,149.3
Divorced .....	1,156.1	98.5	186.9	336.9	685.9	1,597.8	3,541.5	8,652.5	1,111.9
All races <sup>3</sup> , male .....	1,114.9	124.0	160.1	265.7	550.5	1,336.6	3,191.2	9,120.0	1,008.5
Never married .....	434.5	125.2	236.0	548.7	1,131.9	2,323.6	5,386.9	12,569.2	1,668.8
Ever married .....	1,414.2	106.5	106.3	199.8	488.0	1,265.3	3,075.3	8,959.1	938.4
Married .....	1,105.8	102.1	86.0	147.6	381.2	1,069.4	2,739.0	7,745.8	798.3
Widowed .....	7,724.0	*	*	918.5	1,238.1	2,357.2	4,426.3	11,860.8	1,758.5
Divorced .....	1,490.4	137.1	267.3	489.9	1,017.2	2,360.6	4,976.2	11,281.4	1,564.2
All races <sup>3</sup> , female .....	1,054.1	46.3	69.9	141.4	316.1	815.2	1,959.0	7,533.8	668.8
Never married .....	352.8	47.4	108.1	298.1	580.4	1,271.5	2,512.8	9,821.3	965.5
Ever married .....	1,271.4	39.8	53.8	119.3	294.7	790.6	1,930.1	7,407.5	643.9
Married .....	490.3	36.1	44.0	95.2	241.2	642.3	1,508.0	3,919.3	443.9
Widowed .....	5,437.2	*	261.6	391.3	640.8	1,232.8	2,443.0	8,946.8	1,002.4
Divorced .....	906.9	72.6	122.0	214.4	433.9	1,067.8	2,585.7	7,442.7	811.9
White, both sexes .....	1,121.3	77.5	100.6	178.4	389.3	1,000.5	2,451.2	8,150.5	791.8
Never married .....	395.6	79.8	160.8	395.4	753.8	1,734.3	3,707.3	11,171.8	1,255.4
Ever married .....	1,356.9	61.0	72.6	145.5	358.8	961.5	2,390.9	8,004.2	753.6
Married .....	807.7	56.5	57.9	109.7	290.7	824.9	2,138.7	6,181.6	621.2
Widowed .....	6,088.6	*	270.7	406.9	643.9	1,344.9	2,769.0	9,552.4	1,074.5
Divorced .....	1,154.2	99.0	189.0	330.0	649.5	1,538.7	3,504.3	8,840.2	1,098.4
White, male .....	1,136.7	109.0	140.3	235.3	495.8	1,252.4	3,122.7	9,134.5	966.8
Never married .....	409.6	109.4	206.3	483.4	946.3	2,167.6	5,249.3	12,497.4	1,569.5
Ever married .....	1,422.9	100.6	99.4	185.5	451.0	1,195.4	3,020.4	8,984.6	911.5
Married .....	1,117.8	95.6	78.3	133.9	353.4	1,015.7	2,695.0	7,744.5	775.6
Widowed .....	8,056.9	*	*	985.5	985.5	2,319.3	4,444.2	12,161.4	1,663.7
Divorced .....	1,470.3	137.6	277.5	482.3	961.3	2,251.7	5,048.3	11,311.8	1,545.5
White, female .....	1,106.8	43.8	60.0	120.9	285.0	766.3	1,900.5	7,575.1	644.0
Never married .....	377.5	44.9	90.6	242.3	500.2	1,221.5	2,434.8	10,540.6	941.9
Ever married .....	1,300.5	38.2	49.7	108.1	270.4	746.3	1,874.8	7,425.9	624.6
Married .....	497.4	34.1	40.2	86.3	226.2	617.5	1,480.4	3,956.2	432.9
Widowed .....	5,646.8	*	192.3	312.9	554.2	1,154.1	2,396.9	8,966.7	931.1
Divorced .....	914.7	74.9	119.1	203.8	404.0	1,026.2	2,511.5	7,712.7	799.6
Black, both sexes .....	1,059.8	139.2	217.1	397.9	827.8	1,746.6	3,392.4	8,603.7	1,171.6
Never married .....	475.8	141.8	282.7	613.4	1,404.7	2,218.3	4,742.9	*	1,518.1
Ever married .....	1,487.5	98.6	136.3	289.1	710.8	1,660.6	3,259.1	8,598.5	1,073.8
Married .....	896.5	97.6	122.0	242.2	583.3	1,474.7	2,951.3	6,790.7	915.4
Widowed .....	5,070.9	*	*	1,289.7	1,883.6	3,416.0	3,416.0	9,867.4	1,570.0
Divorced .....	1,286.7	*	192.1	410.4	941.1	2,041.0	4,068.5	7,043.8	1,235.1
Black, male .....	1,188.6	215.8	308.6	523.7	1,114.1	2,320.0	4,298.4	9,943.9	1,493.6
Never married .....	624.1	218.8	402.0	801.9	2,061.3	3,071.4	*	*	2,294.1
Ever married .....	1,647.4	156.1	182.4	365.6	920.9	2,168.6	4,030.2	9,623.4	1,323.1
Married .....	1,239.5	155.2	168.8	301.2	721.7	1,853.1	3,647.1	8,813.8	1,156.3
Widowed .....	6,501.3	*	*	*	*	*	4,847.2	10,631.0	2,431.7
Divorced .....	1,803.7	*	238.2	599.5	1,527.0	3,384.8	*	*	1,783.5
Black, female .....	948.7	62.0	134.6	287.1	590.4	1,307.3	2,739.7	7,881.7	928.3
Never married .....	329.6	62.2	166.3	424.4	864.1	1,470.7	*	*	1,003.9
Ever married .....	1,362.9	57.3	98.3	225.6	536.4	1,278.6	2,702.7	8,025.8	889.6
Married .....	566.7	57.1	84.3	188.1	440.1	1,068.3	2,085.9	4,057.0	633.8
Widowed .....	4,691.8	*	*	*	1,038.8	1,691.3	3,046.7	9,626.9	1,430.8
Divorced .....	946.3	*	149.0	287.1	597.9	1,324.1	3,367.3	*	906.8

\* Figure does not meet standards of reliability or precision, see Technical notes.

.. Category not applicable.

<sup>1</sup> Excludes figures for age not stated.<sup>2</sup> Calculated based on ages 25 years and over. For method of computation, see Technical notes.<sup>3</sup> Includes races other than white and black.

**Table 23. Number of deaths, death rates, and age-adjusted death rates for ages 25-64 years, by educational attainment and sex: Total of 46 reporting States and the District of Columbia, 1997**

[Rates per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. For rates, the definition of educational attainment differs for the numerator and denominator; see Technical notes]

<i>Years of school completed and sex</i>	<i>25-64 years<sup>1</sup></i>	<i>25-34 years</i>	<i>35-44 years</i>	<i>45-54 years</i>	<i>55-64 years</i>	<i>Age-adjusted rate<sup>2</sup></i>
Number						
Both sexes .....	483,619	43,087	84,615	136,711	219,206	...
Under 12 years .....	112,590	10,095	17,338	26,895	58,262	...
12 years .....	208,738	19,529	38,189	57,130	93,890	...
13 years or more .....	142,752	11,868	25,619	47,240	58,025	...
Not stated .....	19,539	1,595	3,469	5,446	9,029	...
Male .....	301,533	30,058	55,026	85,353	131,096	...
Under 12 years .....	72,389	7,292	11,906	17,596	35,595	...
12 years .....	127,357	14,018	25,341	34,819	53,179	...
13 years or more .....	88,577	7,595	15,347	29,236	36,399	...
Not stated .....	13,210	1,153	2,432	3,702	5,923	...
Female .....	182,086	13,029	29,589	51,358	88,110	...
Under 12 years .....	40,201	2,803	5,432	9,299	22,667	...
12 years .....	81,381	5,511	12,848	22,311	40,711	...
13 years or more .....	54,175	4,273	10,272	18,004	21,626	...
Not stated .....	6,329	442	1,037	1,744	3,106	...
Rate <sup>3</sup>						
Both sexes .....	365.7	114.3	202.5	428.3	1,051.6	363.7
Under 12 years .....	617.9	213.9	351.8	657.2	1,300.7	531.7
12 years .....	471.2	163.8	266.4	553.5	1,216.3	453.6
13 years or more .....	204.7	56.4	113.8	269.8	671.1	221.6
Male .....	462.4	159.3	264.9	546.1	1,319.0	466.4
Under 12 years .....	768.6	280.9	444.8	856.4	1,702.5	690.9
12 years .....	598.7	225.5	352.3	775.2	1,578.0	608.0
13 years or more .....	256.6	75.5	140.8	321.9	812.9	270.4
Female .....	271.6	69.2	140.9	315.2	807.9	266.0
Under 12 years .....	456.7	131.9	241.3	456.3	949.1	370.3
12 years .....	353.4	96.6	179.9	382.7	936.0	322.3
13 years or more .....	153.9	38.8	88.5	213.7	518.8	171.1

... Category not applicable.

<sup>1</sup> Excludes figures for age not stated.

<sup>2</sup> Calculated based on ages 25-64 years. For method of computation, see Technical notes.

<sup>3</sup> Excludes education not stated.

**Table 24. Number of deaths, death rates, and age-adjusted death rates for ages 15 years and over, by injury at work, race, and sex: United States, 1997**

[Rates per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes]

Race and sex	15 years and over <sup>1</sup>	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65 years and over	Age- adjusted rate <sup>2</sup>
	Number							
All races <sup>3</sup> , both sexes .....	5,666	591	1,127	1,344	1,202	782	620	...
Male .....	5,144	526	1,037	1,230	1,116	728	507	...
Female .....	522	65	90	114	86	54	113	...
White, both sexes .....	4,785	502	937	1,103	1,017	664	562	...
Male .....	4,352	449	864	1,012	946	622	459	...
Female .....	433	53	73	91	71	42	103	...
Black, both sexes .....	684	72	149	187	141	87	48	...
Male .....	626	63	137	172	134	82	38	...
Female .....	58	9	12	15	7	5	10	...
	Rate							
All races <sup>3</sup> , both sexes .....	2.7	1.6	2.8	3.1	3.6	3.6	1.8	2.7
Male .....	5.1	2.8	5.2	5.6	6.8	7.0	3.6	5.0
Female .....	0.5	0.4	0.5	0.5	0.5	0.5	0.6	0.5
White, both sexes .....	2.7	1.7	2.9	3.0	3.6	3.5	1.8	2.7
Male .....	5.1	3.0	5.3	5.5	6.7	6.9	3.7	5.0
Female .....	0.5	0.4	0.5	0.5	0.5	0.4	0.6	0.5
Black, both sexes .....	2.7	1.3	2.8	3.4	3.9	3.9	1.7	2.7
Male .....	5.4	2.3	5.4	6.7	8.3	8.5	3.5	5.5
Female .....	0.4	*	*	*	*	*	*	0.4

... Category not applicable.

\* Figure does not meet standards of reliability or precision; see Technical notes.

<sup>1</sup> Excludes figures for age not stated.<sup>2</sup> Calculated based on ages 15 years and over. For method of computation, see Technical notes.<sup>3</sup> Includes races other than white and black.



**Table 25. Number of deaths, death rates, and age-adjusted death rates for injury at work, by race and sex: United States, 1993-97**

[Includes ages 15 years and over. Rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. For discussion of injury at work, see Technical notes]

Year	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
Number												
1997 .....	5,666	5,144	522	4,785	4,352	433	881	792	89	684	626	58
1996 .....	5,778	5,280	498	4,940	4,535	405	838	745	93	649	582	67
1995 .....	5,872	5,334	538	5,007	4,550	457	865	784	81	692	627	65
1994 .....	5,987	5,425	562	5,103	4,642	461	884	783	101	710	632	78
1993 .....	5,847	5,352	495	4,979	4,581	398	868	771	97	677	608	69
Rate												
1997 .....	2.7	5.1	0.5	2.7	5.1	0.5	2.6	5.0	0.5	2.7	5.4	0.4
1996 .....	2.8	5.3	0.5	2.8	5.4	0.5	2.5	4.8	0.5	2.6	5.1	0.5
1995 .....	2.9	5.4	0.5	2.9	5.4	0.5	2.6	5.1	0.5	2.9	5.6	0.5
1994 .....	2.9	5.6	0.5	3.0	5.6	0.5	2.8	5.2	0.6	3.0	5.8	0.6
1993 .....	2.9	5.5	0.5	2.9	5.6	0.5	2.8	5.3	0.6	2.9	5.6	0.5
Age-adjusted rate <sup>1</sup>												
1997 .....	2.7	5.0	0.5	2.7	5.0	0.5	2.6	5.0	0.5	2.7	5.5	0.4
1996 .....	2.8	5.2	0.4	2.8	5.3	0.4	2.5	4.8	0.5	2.6	5.2	0.5
1995 .....	2.8	5.3	0.5	2.9	5.4	0.5	2.7	5.3	0.5	2.9	5.8	0.5
1994 .....	2.9	5.5	0.5	3.0	5.5	0.5	2.8	5.3	0.6	3.0	5.9	0.6
1993 .....	2.9	5.5	0.5	2.9	5.5	0.4	2.8	5.3	0.6	2.9	5.8	0.5

<sup>1</sup> Calculated based on ages 15 years and over. For method of computation, see Technical notes.

**Table 26. Number of deaths, death rates, and age-adjusted death rates for major causes of death for the United States, each division, each State, Puerto Rico, Virgin Islands, Guam, and American Samoa, 1997**[Rates per 100,000 population in each area; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. Numbers after causes of death are categories of the *Ninth Revision, International Classification of Diseases, 1975*. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Area	All causes			Human immunodeficiency virus infection (*042-*044)			Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)			Diabetes mellitus (250)		
	Number	Rate	Age-adjusted rate <sup>1</sup>	Number	Rate	Age-adjusted rate <sup>1</sup>	Number	Rate	Age-adjusted rate <sup>1</sup>	Number	Rate	Age-adjusted rate <sup>1</sup>
United States .....	2,314,245	864.7	479.1	16,516	6.2	5.8	539,577	201.6	125.6	62,636	23.4	13.5
New England .....	120,424	900.1	433.4	531	4.0	3.6	29,914	223.6	127.2	2,976	22.2	11.5
Maine .....	11,993	965.6	465.4	27	2.2	2.1	2,980	239.9	136.4	303	24.4	12.7
New Hampshire .....	9,458	806.5	441.1	14	*	*	2,414	205.8	134.6	277	23.6	13.6
Vermont .....	5,053	857.9	450.1	4	*	*	1,230	208.8	131.6	143	24.3	13.3
Massachusetts .....	54,685	893.9	424.9	244	4.0	3.5	13,687	223.7	126.4	1,359	22.2	11.4
Rhode Island .....	9,820	994.5	450.3	41	4.2	4.0	2,466	249.7	135.6	274	27.7	13.7
Connecticut .....	29,415	899.6	429.0	201	6.1	5.7	7,137	218.3	120.2	620	19.0	9.6
Middle Atlantic .....	358,715	938.8	471.1	4,487	11.7	10.9	85,698	224.3	127.1	9,539	25.0	13.1
New York .....	158,653	874.7	460.2	2,910	16.0	14.8	37,360	206.0	122.5	3,649	20.1	11.2
New Jersey .....	72,137	895.8	461.0	1,003	12.5	11.4	18,157	225.5	130.2	2,340	29.1	15.7
Pennsylvania .....	127,925	1,064.3	492.1	574	4.8	4.5	30,181	251.1	131.5	3,550	29.5	14.1
East North Central .....	389,581	887.6	484.3	1,354	3.1	2.9	91,691	208.9	129.1	11,175	25.5	14.4
Ohio .....	105,345	941.7	496.2	286	2.6	2.5	24,693	220.7	132.1	3,349	29.9	16.3
Indiana .....	53,130	906.0	501.4	155	2.6	2.5	12,332	210.3	130.6	1,481	25.3	14.4
Illinois .....	102,914	865.1	486.3	517	4.3	4.1	24,479	205.8	130.9	2,734	23.0	13.3
Michigan .....	83,301	852.3	484.4	316	3.2	3.0	19,610	200.6	127.1	2,435	24.9	14.5
Wisconsin .....	44,891	868.4	432.5	80	1.5	1.5	10,577	204.6	120.4	1,176	22.7	12.2
West North Central .....	170,719	919.3	449.9	329	1.8	1.8	38,394	206.7	120.5	4,300	23.2	11.7
Minnesota .....	36,913	787.8	399.9	68	1.5	1.3	8,777	187.3	115.6	1,051	22.4	11.7
Iowa .....	27,694	970.9	422.0	26	0.9	1.0	6,331	222.0	117.0	677	23.7	10.8
Missouri .....	54,322	1,005.6	515.4	147	2.7	2.7	11,959	221.4	131.7	1,300	24.1	13.0
North Dakota .....	5,893	919.5	411.3	5	*	*	1,322	206.3	107.4	183	28.6	11.8
South Dakota .....	6,865	930.3	437.2	7	*	*	1,548	209.8	116.1	196	26.6	12.2
Nebraska .....	15,282	922.3	438.2	31	1.9	1.9	3,238	195.4	112.7	315	19.0	9.4
Kansas .....	23,750	915.3	451.4	45	1.7	1.7	5,219	201.1	118.5	578	22.3	11.7
South Atlantic .....	442,726	917.9	500.8	4,706	9.8	9.1	104,767	217.2	130.0	11,713	24.3	13.5
Delaware .....	6,510	889.9	509.3	60	8.2	7.2	1,669	228.1	142.2	204	27.9	16.1
Maryland .....	41,794	820.4	503.3	589	11.6	10.1	10,129	198.8	133.9	1,394	27.4	17.1
District of Columbia .....	6,129	1,158.7	716.3	271	51.2	45.0	1,348	254.8	155.8	206	38.9	20.7
Virginia .....	53,852	799.7	489.4	331	4.9	4.4	12,928	192.0	130.6	1,244	18.5	11.8
West Virginia .....	20,881	1,150.0	552.0	31	1.7	1.7	4,757	262.0	140.5	682	37.6	18.0
North Carolina .....	66,022	889.2	520.7	488	6.6	6.2	15,171	204.3	131.0	1,834	24.7	15.0
South Carolina .....	33,690	896.0	558.6	315	8.4	7.9	7,640	203.2	135.0	1,029	27.4	17.3
Georgia .....	59,351	792.8	547.9	740	9.9	9.0	13,025	174.0	132.3	1,276	17.0	12.1
Florida .....	154,497	1,054.3	462.7	1,881	12.8	12.8	38,100	260.0	125.7	3,844	26.2	11.7
East South Central .....	161,424	988.8	567.2	702	4.3	4.2	36,257	222.1	140.7	4,071	24.9	14.4
Kentucky .....	37,998	972.3	544.8	74	1.9	1.8	8,970	229.5	145.7	1,011	25.9	14.7
Tennessee .....	52,665	981.1	562.1	277	5.2	4.9	11,861	220.9	140.4	1,316	24.5	14.1
Alabama .....	43,258	1,001.5	568.1	195	4.5	4.4	9,577	221.7	136.2	1,173	27.2	15.3
Mississippi .....	27,503	1,007.3	609.8	156	5.7	5.7	5,849	214.2	141.4	571	20.9	13.0
West South Central .....	244,570	825.4	517.9	1,776	6.0	5.9	54,843	185.1	128.9	8,015	27.0	17.7
Arkansas .....	27,844	1,103.7	572.2	66	2.6	2.7	6,063	240.3	139.4	639	25.3	14.2
Louisiana .....	40,006	919.3	582.6	401	9.2	9.2	9,352	214.9	146.6	1,685	38.7	24.4
Oklahoma .....	33,944	1,023.3	542.9	110	3.3	3.3	7,235	218.1	130.6	931	28.1	15.6
Texas .....	142,776	734.5	489.9	1,199	6.2	6.0	32,193	165.6	122.8	4,760	24.5	17.2
Mountain .....	120,793	732.9	450.4	467	2.8	2.8	26,752	162.3	108.6	3,034	18.4	11.5
Montana .....	7,769	884.0	457.0	10	*	*	1,788	203.5	114.5	169	19.2	9.6
Idaho .....	8,976	741.7	431.1	12	*	*	1,947	160.9	107.6	242	20.0	11.9
Wyoming .....	3,745	780.6	463.7	1	*	*	844	175.9	114.1	80	16.7	10.1
Colorado .....	25,626	658.3	416.6	125	3.2	2.9	5,647	145.1	101.4	522	13.4	8.8
New Mexico .....	12,653	731.5	464.8	44	2.5	2.5	2,766	159.9	107.9	399	23.1	14.6
Arizona .....	37,066	813.7	466.9	162	3.6	3.6	8,448	185.5	114.0	947	20.8	12.6
Utah .....	11,578	562.3	404.7	25	1.2	1.4	2,133	103.6	84.9	432	21.0	15.5
Nevada .....	13,380	797.9	526.6	88	5.2	4.9	3,179	189.6	128.6	243	14.5	9.6
Pacific .....	305,293	711.3	431.9	2,164	5.0	4.7	71,261	166.0	114.6	7,813	18.2	12.0
Washington .....	41,463	739.0	424.3	174	3.1	2.9	10,035	178.9	117.9	1,094	19.5	12.1
Oregon .....	28,771	887.0	449.7	80	2.5	2.3	6,768	208.7	121.3	811	25.0	13.2
California .....	224,592	696.0	433.5	1,864	5.8	5.4	51,990	161.1	114.1	5,625	17.4	11.8
Alaska .....	2,575	422.6	461.0	10	*	*	622	102.1	116.9	81	13.3	16.0
Hawaii .....	7,892	665.1	374.7	36	3.0	2.8	1,846	155.6	95.5	202	17.0	10.2
Puerto Rico <sup>2</sup> .....	28,963	756.8	549.2	841	22.0	23.0	4,527	118.3	86.7	2,169	56.7	39.7
Virgin Islands <sup>2</sup> .....	620	541.6	474.4	17	*	*	119	103.9	86.7	37	32.3	27.9
Guam <sup>2</sup> .....	615	421.9	493.3	4	*	*	79	54.2	67.0	31	21.3	26.3
American Samoa <sup>2</sup> .....	257	425.6	599.1	-	*	*	38	62.9	95.6	23	38.1	59.9

See footnotes at end of table.

**Table 26. Number of deaths, death rates, and age-adjusted death rates for major causes of death for the United States, each division, each State, Puerto Rico, Virgin Islands, Guam, and American Samoa, 1997 - Con.**[Rates per 100,000 population in each area; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. Numbers after causes of death are categories of the *Ninth Revision, International Classification of Diseases, 1975*. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Area	Alzheimer's disease (331.0)			Diseases of heart (390-398,402,404-429)			Cerebrovascular diseases (430-438)			Pneumonia and influenza (480-487)		
	Number	Rate	Age- adjusted rate <sup>1</sup>	Number	Rate	Age- adjusted rate <sup>1</sup>	Number	Rate	Age- adjusted rate <sup>1</sup>	Number	Rate	Age- adjusted rate <sup>1</sup>
United States .....	22,475	8.4	2.7	726,974	271.6	130.5	159,791	59.7	25.9	86,449	32.3	12.9
New England .....	1,419	10.6	2.9	37,452	279.9	116.5	7,823	58.5	21.1	5,097	38.1	12.3
Maine .....	152	12.2	3.4	3,637	292.8	126.0	789	63.5	23.1	430	34.6	10.6
New Hampshire .....	146	12.4	3.9	2,802	238.9	113.7	689	58.8	24.4	251	21.4	8.2
Vermont .....	69	11.7	3.8	1,506	255.7	119.0	347	58.9	23.7	195	33.1	11.4
Massachusetts .....	677	11.1	3.1	16,505	269.8	112.1	3,410	55.7	19.8	2,666	43.6	13.8
Rhode Island .....	113	11.4	2.6	3,265	330.7	122.3	684	69.3	23.0	325	32.9	10.0
Connecticut .....	262	8.0	2.2	9,737	297.8	119.7	1,904	58.2	20.5	1,230	37.6	12.4
Middle Atlantic .....	2,278	6.0	1.7	126,433	330.9	139.0	20,509	53.7	21.4	13,317	34.9	12.6
New York .....	661	3.6	1.1	60,914	335.9	146.0	8,009	44.2	19.2	6,578	36.3	13.8
New Jersey .....	623	7.7	2.3	23,392	290.5	124.7	4,129	51.3	21.2	2,360	29.3	11.0
Pennsylvania .....	994	8.3	2.2	42,127	350.5	138.6	8,371	69.6	24.4	4,379	36.4	12.0
East North Central .....	3,836	8.7	2.8	124,561	283.8	135.9	27,370	62.4	26.5	13,598	31.0	12.2
Ohio .....	1,016	9.1	2.9	34,322	306.8	143.3	6,878	61.5	25.8	3,467	31.0	11.8
Indiana .....	570	9.7	3.2	16,661	284.1	139.1	3,832	65.3	28.0	1,778	30.3	12.2
Illinois .....	1,054	8.9	2.8	32,631	274.3	134.0	7,222	60.7	26.5	3,759	31.6	12.7
Michigan .....	672	6.9	2.5	27,250	278.8	138.5	5,757	58.9	26.2	2,826	28.9	12.4
Wisconsin .....	524	10.1	2.9	13,697	264.9	115.3	3,681	71.2	26.6	1,768	34.2	11.5
West North Central .....	1,895	10.2	2.8	53,352	287.3	121.7	12,735	68.6	24.6	6,813	36.7	11.9
Minnesota .....	468	10.0	2.9	9,612	205.1	93.2	2,997	64.0	24.5	1,322	28.2	8.9
Iowa .....	334	11.7	2.7	9,111	319.4	119.5	2,158	75.7	23.3	1,210	42.4	12.4
Missouri .....	479	8.9	2.7	18,460	341.7	149.9	3,708	68.6	26.4	2,241	41.5	14.8
North Dakota .....	64	10.0	2.7	1,827	285.1	113.4	482	75.2	23.6	222	34.6	10.5
South Dakota .....	71	9.6	2.0	2,130	288.6	117.1	571	77.4	25.5	268	36.3	9.9
Nebraska .....	218	13.2	3.4	4,937	298.0	120.8	1,102	66.5	23.1	566	34.2	10.8
Kansas .....	261	10.1	2.9	7,275	280.4	117.2	1,717	66.2	23.4	984	37.9	11.8
South Atlantic .....	4,461	9.2	2.9	134,832	279.6	131.8	30,933	64.1	27.7	14,089	29.2	12.0
Delaware .....	57	7.8	2.7	1,992	272.3	138.3	347	47.4	22.1	227	31.0	13.1
Maryland .....	372	7.3	2.8	12,009	235.7	128.3	2,607	51.2	25.3	1,452	28.5	13.2
District of Columbia ...	33	6.2	1.7	1,616	305.5	157.2	336	63.5	31.4	187	35.4	17.0
Virginia .....	544	8.1	3.3	15,632	232.1	129.4	4,041	60.0	29.8	2,047	30.4	13.8
West Virginia .....	210	11.6	3.4	6,924	381.3	160.7	1,237	68.1	25.1	706	38.9	13.1
North Carolina .....	726	9.8	3.5	19,303	260.0	136.5	5,227	70.4	32.2	2,459	33.1	14.5
South Carolina .....	303	8.1	3.2	9,896	263.2	148.2	2,845	75.7	39.3	962	25.6	12.4
Georgia .....	618	8.3	3.6	17,665	236.0	148.9	4,267	57.0	34.2	2,154	28.8	16.0
Florida .....	1,598	10.9	2.4	49,795	339.8	118.6	10,026	68.4	22.3	3,895	26.6	8.8
East South Central .....	1,474	9.0	3.1	52,390	320.9	162.8	11,266	69.0	31.8	5,860	35.9	15.0
Kentucky .....	381	9.7	3.2	12,458	318.8	159.5	2,502	64.0	27.9	1,339	34.3	13.6
Tennessee .....	447	8.3	2.8	16,660	310.3	157.8	4,021	74.9	33.7	2,047	38.1	16.0
Alabama .....	464	10.7	3.7	13,570	314.2	157.0	2,885	66.8	31.2	1,438	33.3	13.5
Mississippi .....	182	6.7	2.5	9,702	355.3	188.1	1,858	68.0	35.2	1,036	37.9	17.3
West South Central .....	2,607	8.8	3.5	75,223	253.9	142.2	17,532	59.2	29.4	8,088	27.3	12.8
Arkansas .....	252	10.0	3.1	8,464	335.5	149.7	2,461	97.5	38.5	1,051	41.7	15.4
Louisiana .....	440	10.1	3.9	11,868	272.7	153.8	2,528	58.1	30.1	1,112	25.6	12.2
Oklahoma .....	304	9.2	3.0	11,273	339.8	156.8	2,393	72.1	28.7	1,304	39.3	14.4
Texas .....	1,611	8.3	3.6	43,618	224.4	135.2	10,150	52.2	27.9	4,621	23.8	12.2
Mountain .....	1,404	8.5	3.2	32,503	197.2	106.4	8,120	49.3	23.5	4,312	26.2	12.1
Montana .....	82	9.3	2.7	2,108	239.9	106.4	544	61.9	23.8	300	34.1	12.0
Idaho .....	116	9.6	3.3	2,518	208.1	105.2	711	58.7	25.7	353	29.2	11.4
Wyoming .....	56	11.7	4.1	1,040	216.8	113.3	233	48.6	21.6	138	28.8	12.1
Colorado .....	357	9.2	3.7	6,485	166.6	94.0	1,708	43.9	22.3	850	21.8	10.0
New Mexico .....	108	6.2	2.4	3,274	189.3	102.2	768	44.4	21.6	454	26.2	12.3
Arizona .....	438	9.6	3.1	10,174	223.4	110.3	2,483	54.5	23.4	1,274	28.0	12.5
Utah .....	144	7.0	3.3	3,007	146.0	95.2	875	42.5	24.4	531	25.8	14.0
Nevada .....	103	6.1	2.8	3,897	232.4	138.6	798	47.6	26.0	412	24.6	13.9
Pacific .....	3,101	7.2	2.6	90,228	210.2	110.5	23,503	54.8	26.2	15,275	35.6	15.4
Washington .....	570	10.2	3.5	11,116	198.1	100.6	3,365	60.0	25.5	1,651	29.4	12.2
Oregon .....	416	12.8	3.6	7,518	231.8	101.4	2,569	79.2	29.0	920	28.4	9.9
California .....	2,054	6.4	2.4	68,657	212.8	114.1	16,727	51.8	25.9	12,305	38.1	16.8
Alaska .....	11	*	*	557	91.4	100.5	132	21.7	23.0	48	7.9	8.5
Hawaii .....	50	4.2	1.4	2,380	200.6	101.9	710	59.8	28.3	351	29.6	12.1
Puerto Rico <sup>2</sup> .....	502	13.1	6.8	6,828	178.4	118.2	1,698	44.4	27.6	1,126	29.4	17.9
Virgin Islands <sup>2</sup> .....	5	*	*	156	136.3	111.3	51	44.5	37.0	16	*	*
Guam <sup>2</sup> .....	3	*	*	177	121.4	150.1	50	34.3	42.0	15	*	*
American Samoa <sup>2</sup> .....	-	*	*	54	89.4	132.6	24	39.7	58.9	5	*	*

See footnotes at end of table.

**Table 26. Number of deaths, death rates, and age-adjusted death rates for major causes of death for the United States, each division, each State, Puerto Rico, Virgin Islands, Guam, and American Samoa, 1997 - Con.**[Rates per 100,000 population in each area; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. Numbers after causes of death are categories of the *Ninth Revision, International Classification of Diseases, 1975*. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Area	Chronic obstructive pulmonary diseases and allied conditions (490-496)			Chronic liver disease and cirrhosis (571)			Nephritis, nephrotic syndrome, and nephrosis (580-589)			Accidents and adverse effects (E800-E949)		
	Number	Rate	Age-adjusted rate <sup>1</sup>	Number	Rate	Age-adjusted rate <sup>1</sup>	Number	Rate	Age-adjusted rate <sup>1</sup>	Number	Rate	Age-adjusted rate <sup>1</sup>
United States .....	109,029	40.7	21.1	25,175	9.4	7.4	25,331	9.5	4.4	95,644	35.7	30.1
New England .....	5,663	42.3	19.0	1,195	8.9	6.3	1,653	12.4	4.9	3,490	26.1	19.4
Maine .....	695	56.0	25.2	116	9.3	6.1	143	11.5	4.5	428	34.5	25.9
New Hampshire .....	548	46.7	24.5	105	9.0	7.3	72	6.1	2.7	321	27.4	21.1
Vermont .....	287	48.7	24.7	45	7.6	5.1	55	9.3	4.0	201	34.1	24.6
Massachusetts .....	2,437	39.8	17.7	520	8.5	6.1	938	15.3	6.1	1,287	21.0	15.0
Rhode Island .....	431	43.6	17.7	118	12.0	8.1	99	10.0	3.5	242	24.5	19.0
Connecticut .....	1,265	38.7	16.9	291	8.9	6.3	346	10.6	4.2	1,011	30.9	23.8
Middle Atlantic .....	14,273	37.4	17.2	3,398	8.9	6.4	4,403	11.5	4.8	12,097	31.7	25.5
New York .....	6,091	33.6	16.4	1,579	8.7	6.6	1,451	8.0	3.5	4,946	27.3	22.3
New Jersey .....	2,853	35.4	16.5	745	9.3	6.8	1,049	13.0	5.9	2,372	29.5	24.0
Pennsylvania .....	5,329	44.3	18.6	1,074	8.9	5.9	1,903	15.8	6.0	4,779	39.8	31.2
East North Central .....	17,767	40.5	20.9	3,812	8.7	6.7	5,296	12.1	5.6	14,024	32.0	26.3
Ohio .....	5,182	46.3	22.9	958	8.6	6.4	1,351	12.1	5.4	3,450	30.8	24.7
Indiana .....	2,674	45.6	24.6	428	7.3	5.7	769	13.1	6.0	2,093	35.7	29.8
Illinois .....	4,260	35.8	19.1	1,082	9.1	7.2	1,518	12.8	6.2	3,470	29.2	24.7
Michigan .....	3,634	37.2	19.9	969	9.9	7.8	1,107	11.3	5.4	3,170	32.4	27.2
Wisconsin .....	2,017	39.0	18.4	375	7.3	5.4	551	10.7	4.2	1,841	35.6	27.5
West North Central .....	8,133	43.8	20.9	1,230	6.6	5.0	2,063	11.1	4.4	7,402	39.9	31.1
Minnesota .....	1,630	34.8	17.0	286	6.1	4.8	488	10.4	4.3	1,704	36.4	26.3
Iowa .....	1,290	45.2	19.5	177	6.2	4.1	183	6.4	2.1	1,087	38.1	27.7
Missouri .....	2,579	47.7	23.6	410	7.6	5.7	730	13.5	5.6	2,383	44.1	36.5
North Dakota .....	235	36.7	16.1	56	8.7	7.0	71	11.1	3.4	245	38.2	30.1
South Dakota .....	336	45.5	19.9	42	5.7	4.5	77	10.4	3.4	306	41.5	34.3
Nebraska .....	792	47.8	22.0	86	5.2	4.0	186	11.2	4.7	666	40.2	31.0
Kansas .....	1,271	49.0	24.2	173	6.7	4.9	328	12.6	5.0	1,011	39.0	32.0
South Atlantic .....	21,107	43.8	21.7	4,834	10.0	7.5	4,401	9.1	4.2	18,348	38.0	32.1
Delaware .....	296	40.5	21.3	65	8.9	6.5	79	10.8	5.0	290	39.6	33.2
Maryland .....	1,815	35.6	20.0	413	8.1	6.4	471	9.2	5.1	1,372	26.9	21.9
District of Columbia .....	161	30.4	16.2	77	14.6	11.5	90	17.0	9.3	177	33.5	24.6
Virginia .....	2,408	35.8	20.7	499	7.4	6.0	740	11.0	6.0	2,307	34.3	28.3
West Virginia .....	1,139	62.7	28.3	194	10.7	7.3	267	14.7	5.9	802	44.2	35.4
North Carolina .....	3,195	43.0	23.9	666	9.0	6.8	687	9.3	4.5	3,056	41.2	35.2
South Carolina .....	1,497	39.8	23.6	379	10.1	7.9	289	7.7	4.5	1,716	45.6	40.6
Georgia .....	2,507	33.5	22.7	599	8.0	6.8	770	10.3	6.2	3,081	41.2	36.6
Florida .....	8,089	55.2	20.4	1,942	13.3	9.1	1,008	6.9	2.4	5,547	37.9	32.2
East South Central .....	7,379	45.2	24.7	1,573	9.6	7.5	2,001	12.3	5.8	8,211	50.3	42.9
Kentucky .....	1,948	49.8	27.1	367	9.4	7.1	519	13.3	6.1	1,800	46.1	38.4
Tennessee .....	2,468	46.0	25.6	562	10.5	8.2	413	7.7	3.7	2,525	47.0	39.9
Alabama .....	1,852	42.9	22.5	389	9.0	6.9	655	15.2	6.8	2,298	53.2	45.9
Mississippi .....	1,111	40.7	22.7	255	9.3	7.6	414	15.2	7.8	1,588	58.2	50.8
West South Central .....	11,161	37.7	22.6	2,930	9.9	8.3	2,452	8.3	4.3	12,032	40.6	36.1
Arkansas .....	1,254	49.7	24.9	182	7.2	5.5	408	16.2	6.6	1,345	53.3	46.0
Louisiana .....	1,477	33.9	19.9	378	8.7	7.1	582	13.4	7.2	1,908	43.8	39.3
Oklahoma .....	1,728	52.1	26.7	343	10.3	7.9	414	12.5	5.2	1,604	48.4	40.7
Texas .....	6,702	34.5	22.1	2,027	10.4	9.1	1,048	5.4	2.9	7,175	36.9	33.4
Mountain .....	7,410	45.0	25.9	1,781	10.8	9.1	1,241	7.5	4.0	7,171	43.5	38.3
Montana .....	534	60.8	29.2	77	8.8	6.6	99	11.3	4.5	450	51.2	45.4
Idaho .....	523	43.2	24.0	98	8.1	6.6	58	4.8	2.6	546	45.1	40.2
Wyoming .....	270	56.3	32.2	35	7.3	6.0	26	5.4	2.7	246	51.3	45.2
Colorado .....	1,657	42.6	26.2	338	8.7	7.1	250	6.4	3.3	1,431	36.8	31.6
New Mexico .....	739	42.7	24.8	257	14.9	13.1	122	7.1	3.9	1,002	57.9	52.1
Arizona .....	2,377	52.2	27.0	606	13.3	10.8	328	7.2	3.4	2,147	47.1	40.8
Utah .....	442	21.5	15.6	115	5.6	5.5	133	6.5	4.1	686	33.3	30.5
Nevada .....	868	51.8	31.0	255	15.2	12.6	225	13.4	8.0	663	39.5	36.5
Pacific .....	16,136	37.6	21.4	4,422	10.3	8.8	1,821	4.2	2.3	12,869	30.0	26.4
Washington .....	2,345	41.8	23.2	507	9.0	7.4	269	4.8	2.3	1,920	34.2	28.6
Oregon .....	1,639	50.5	24.5	297	9.2	6.9	171	5.3	2.2	1,305	40.2	33.6
California .....	11,777	36.5	21.1	3,510	10.9	9.6	1,279	4.0	2.3	9,020	28.0	25.0
Alaska .....	119	19.5	22.7	48	7.9	7.8	17	*	*	269	44.1	46.0
Hawaii .....	256	21.6	10.9	60	5.1	3.7	85	7.2	3.8	355	29.9	24.1
Puerto Rico <sup>2</sup> .....	1,215	31.7	19.7	847	22.1	19.8	516	13.5	9.2	1,493	39.0	36.2
Virgin Islands <sup>2</sup> .....	15	*	*	9	*	*	4	*	*	36	31.4	30.9
Guam <sup>2</sup> .....	23	15.8	19.8	11	*	*	5	*	*	49	33.6	37.7
American Samoa <sup>2</sup> .....	17	*	*	3	*	*	3	*	*	13	*	*

See footnotes at end of table.

**Table 26. Number of deaths, death rates, and age-adjusted death rates for major causes of death for the United States, each division, each State, Puerto Rico, Virgin Islands, Guam, and American Samoa, 1997 - Con.**

[Rates per 100,000 population in each area; age-adjusted rates per 100,000 U.S. standard population; see Technical notes. Numbers after causes of death are categories of the *Ninth Revision, International Classification of Diseases, 1975*. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Area	Motor vehicle accidents (E810-E825)			Suicide (E950-E959)			Homicide and legal intervention (E960-E978)			Injury by firearms (E922, E955.0-E955.4, E965.0-E965.4, E970, E985.0-E985.4)		
	Number	Rate	Age-adjusted rate <sup>1</sup>	Number	Rate	Age-adjusted rate <sup>1</sup>	Number	Rate	Age-adjusted rate <sup>1</sup>	Number	Rate	Age-adjusted rate <sup>1</sup>
United States .....	43,458	16.2	15.9	30,535	11.4	10.6	19,846	7.4	8.0	32,436	12.1	12.2
New England .....	1,369	10.2	9.9	1,169	8.7	8.0	358	2.7	3.0	681	5.1	5.0
Maine .....	189	15.2	13.7	137	11.0	10.1	22	1.8	2.2	94	7.6	7.1
New Hampshire .....	133	11.3	10.7	136	11.6	10.6	26	2.2	2.5	85	7.2	6.8
Vermont .....	77	13.1	12.4	73	12.4	11.0	11	*	*	55	9.3	8.6
Massachusetts .....	503	8.2	8.0	492	8.0	7.4	142	2.3	2.6	218	3.6	3.5
Rhode Island .....	100	10.1	10.8	72	7.3	7.1	28	2.8	3.4	41	4.2	4.6
Connecticut .....	367	11.2	11.1	259	7.9	7.1	129	3.9	4.7	188	5.7	6.0
Middle Atlantic .....	4,328	11.3	10.9	3,370	8.8	8.2	2,294	6.0	6.7	3,026	7.9	8.4
New York .....	1,840	10.1	9.6	1,372	7.6	7.1	1,143	6.3	6.9	1,234	6.8	7.3
New Jersey .....	835	10.4	9.8	586	7.3	6.6	365	4.5	5.2	402	5.0	5.3
Pennsylvania .....	1,653	13.8	13.7	1,412	11.7	10.8	786	6.5	7.5	1,390	11.6	12.0
East North Central .....	6,154	14.0	13.8	4,342	9.9	9.2	3,081	7.0	7.6	4,636	10.6	10.8
Ohio .....	1,447	12.9	12.8	1,126	10.1	9.3	487	4.4	4.6	966	8.6	8.4
Indiana .....	978	16.7	16.8	729	12.4	11.5	432	7.4	7.9	814	13.9	13.8
Illinois .....	1,434	12.1	12.0	901	7.6	7.1	1,161	9.8	10.9	1,290	10.8	11.8
Michigan .....	1,545	15.8	15.2	1,010	10.3	9.5	787	8.1	8.6	1,144	11.7	11.8
Wisconsin .....	750	14.5	14.0	576	11.1	10.4	214	4.1	4.4	422	8.2	8.1
West North Central .....	3,349	18.0	17.4	2,230	12.0	11.3	894	4.8	5.1	1,978	10.7	10.5
Minnesota .....	600	12.8	12.1	472	10.1	9.4	133	2.8	3.0	346	7.4	7.3
Iowa .....	492	17.2	16.5	345	12.1	11.6	70	2.5	2.7	251	8.8	8.7
Missouri .....	1,171	21.7	21.2	710	13.1	12.1	434	8.0	8.6	795	14.7	14.5
North Dakota .....	106	16.5	16.2	80	12.5	12.3	11	*	*	53	8.3	7.9
South Dakota .....	151	20.5	20.2	127	17.2	16.4	22	3.0	3.2	85	11.5	10.8
Nebraska .....	306	18.5	17.8	176	10.6	10.0	65	3.9	4.1	144	8.7	8.4
Kansas .....	523	20.2	19.5	320	12.3	11.7	159	6.1	6.7	304	11.7	11.8
South Atlantic .....	9,025	18.7	18.2	6,004	12.4	11.2	4,270	8.9	9.4	6,948	14.4	14.2
Delaware .....	138	18.9	18.3	87	11.9	10.8	32	4.4	4.6	51	7.0	6.9
Maryland .....	649	12.7	12.3	519	10.2	9.3	554	10.9	12.1	710	13.9	14.9
District of Columbia ...	53	10.0	8.9	35	6.6	7.0	255	48.2	61.8	220	41.6	56.1
Virginia .....	962	14.3	13.8	762	11.3	10.4	510	7.6	8.0	902	13.4	13.3
West Virginia .....	387	21.3	20.4	262	14.4	12.8	97	5.3	5.6	257	14.2	13.1
North Carolina .....	1,558	21.0	20.6	906	12.2	11.4	681	9.2	9.4	1,103	14.9	14.6
South Carolina .....	904	24.0	23.6	432	11.5	10.8	358	9.5	9.7	558	14.8	14.6
Georgia .....	1,606	21.5	21.2	903	12.1	11.2	655	8.7	8.8	1,168	15.6	15.0
Florida .....	2,768	18.9	18.4	2,098	14.3	12.4	1,128	7.7	8.5	1,979	13.5	13.2
East South Central .....	4,226	25.9	25.2	2,068	12.7	11.5	1,719	10.5	10.9	3,048	18.7	18.2
Kentucky .....	853	21.8	21.4	488	12.5	11.2	256	6.6	6.8	570	14.6	13.8
Tennessee .....	1,255	23.4	22.7	729	13.6	12.4	556	10.4	10.8	1,024	19.1	18.7
Alabama .....	1,245	28.8	27.8	512	11.9	10.6	520	12.0	12.3	848	19.6	19.0
Mississippi .....	873	32.0	31.3	339	12.4	11.6	387	14.2	14.7	606	22.2	22.2
West South Central .....	6,269	21.2	20.9	3,527	11.9	11.4	2,776	9.4	9.8	4,416	14.9	14.9
Arkansas .....	729	28.9	28.7	356	14.1	13.4	298	11.8	12.3	474	18.8	18.8
Louisiana .....	926	21.3	21.2	528	12.1	11.5	702	16.1	17.0	970	22.3	22.7
Oklahoma .....	855	25.8	25.3	497	15.0	14.3	289	8.7	9.3	529	15.9	15.7
Texas .....	3,759	19.3	19.1	2,146	11.0	10.7	1,487	7.6	7.9	2,443	12.6	12.6
Mountain .....	3,352	20.3	20.2	2,867	17.4	16.7	1,119	6.8	7.1	2,621	15.9	15.8
Montana .....	234	26.6	27.0	183	20.8	19.8	37	4.2	4.7	151	17.2	16.6
Idaho .....	249	20.6	20.2	209	17.3	16.7	44	3.6	3.7	182	15.0	14.5
Wyoming .....	120	25.0	25.2	95	19.8	18.5	21	4.4	4.7	86	17.9	16.5
Colorado .....	632	16.2	16.1	611	15.7	14.9	183	4.7	4.9	465	11.9	11.7
New Mexico .....	427	24.7	24.9	300	17.3	17.1	164	9.5	9.9	286	16.5	16.8
Arizona .....	954	20.9	20.6	757	16.6	15.8	431	9.5	10.4	853	18.7	19.2
Utah .....	377	18.3	18.0	301	14.6	15.0	63	3.1	3.0	209	10.1	10.2
Nevada .....	359	21.4	21.6	411	24.5	22.0	176	10.5	10.9	389	23.2	22.5
Pacific .....	5,386	12.5	12.3	4,958	11.6	10.7	3,335	7.8	8.4	5,082	11.8	12.0
Washington .....	761	13.6	13.4	728	13.0	12.1	261	4.7	4.9	606	10.8	10.6
Oregon .....	548	16.9	17.0	534	16.5	14.7	133	4.1	4.3	428	13.2	12.2
California .....	3,852	11.9	11.6	3,430	10.6	9.8	2,838	8.8	9.5	3,863	12.0	12.3
Alaska .....	84	13.8	14.3	128	21.0	21.3	55	9.0	8.6	127	20.8	20.7
Hawaii .....	141	11.9	11.4	138	11.6	11.1	48	4.0	4.2	58	4.9	5.1
Puerto Rico <sup>2</sup> .....	616	16.1	15.5	273	7.1	7.1	877	22.9	23.5	863	22.6	23.3
Virgin Islands <sup>2</sup> .....	9	*	*	3	*	*	31	27.1	30.8	24	21.0	23.5
Guam <sup>2</sup> .....	24	16.5	18.2	28	19.2	21.6	11	*	*	16	*	*
American Samoa <sup>2</sup> .....	-	*	*	2	*	*	2	*	*	3	*	*

\* Figure does not meet standards of reliability or precision; see Technical notes.

- Quantity zero.

<sup>1</sup> Death rates are affected by the population composition of the area. Age-adjusted death rates should be used for comparisons between areas; for method of computation, see Technical notes.

<sup>2</sup> Age-adjusted death rates for Puerto Rico, Virgin Islands, Guam, and American Samoa are calculated using different age groups in the weighting procedure; see Technical notes.

**Table 27. Infant, neonatal, and postneonatal mortality rates by race and sex: United States, 1940, 1950, 1960, 1970, and 1975-97**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days-11 months) deaths per 1,000 live births in specified group. Beginning in 1980, race for live births is tabulated according to race of mother; see Technical notes]

Year	All races						All other					
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Infant mortality rate												
Race of mother <sup>1</sup>												
1997	7.2	8.0	6.5	6.0	6.7	5.4	11.8	12.8	10.7	14.2	15.5	12.8
1996	7.3	8.0	6.6	6.1	6.7	5.4	12.2	13.3	11.0	14.7	16.0	13.3
1995	7.6	8.3	6.8	6.3	7.0	5.6	12.6	13.5	11.6	15.1	16.3	13.9
1994	8.0	8.8	7.2	6.6	7.2	5.9	13.5	14.8	12.1	15.8	17.5	14.1
1993	8.4	9.3	7.4	6.8	7.6	6.0	14.1	15.6	12.5	16.5	18.3	14.7
1992	8.5	9.4	7.6	6.9	7.7	6.1	14.4	15.7	13.1	16.8	18.4	15.3
1991	8.9	10.0	7.8	7.3	8.3	6.3	15.1	16.5	13.6	17.6	19.4	15.7
1990	9.2	10.3	8.1	7.6	8.5	6.6	15.5	17.0	14.0	18.0	19.6	16.2
1989	9.8	10.8	8.8	8.1	9.0	7.1	16.3	17.6	15.0	18.6	20.0	17.2
1988	10.0	11.0	8.9	8.4	9.4	7.3	16.1	17.3	14.8	18.5	20.0	17.0
1987	10.1	11.2	8.9	8.5	9.5	7.5	16.5	18.1	14.8	18.8	20.6	16.8
1986	10.4	11.5	9.1	8.8	9.9	7.7	16.7	18.5	14.9	18.9	20.9	16.8
1985	10.6	11.9	9.3	9.2	10.4	7.9	16.8	18.3	15.3	19.0	20.8	17.2
1984	10.8	11.9	9.6	9.3	10.4	8.2	17.1	18.4	15.7	19.2	20.7	17.6
1983	11.2	12.3	10.0	9.6	10.7	8.5	17.8	19.4	16.1	20.0	22.0	18.0
1982	11.5	12.8	10.2	9.9	11.1	8.7	18.3	20.1	16.5	20.5	22.5	18.4
1981	11.9	13.1	10.7	10.3	11.5	9.1	18.8	20.4	17.2	20.8	22.5	19.0
1980	12.6	13.9	11.2	10.9	12.1	9.5	20.2	21.9	18.4	22.2	24.2	20.2
Race of child <sup>2</sup>												
1980	12.6	13.9	11.2	11.0	12.3	9.6	19.1	20.7	17.5	21.4	23.3	19.4
1979	13.1	14.5	11.6	11.4	12.8	9.9	19.8	21.5	18.1	21.8	23.7	19.8
1978	13.8	15.3	12.2	12.0	13.4	10.6	21.1	23.1	18.9	23.1	25.4	20.8
1977	14.1	15.8	12.4	12.3	13.9	10.7	21.7	23.7	19.6	23.6	25.9	21.3
1976	15.2	16.8	13.6	13.3	14.8	11.7	23.5	25.5	21.4	25.5	27.8	23.2
1975	16.1	17.9	14.2	14.2	15.9	12.3	24.2	26.2	22.2	26.2	28.3	24.0
1970	20.0	22.4	17.5	17.8	20.0	15.4	30.9	34.2	27.5	32.6	36.2	29.0
1960	26.0	29.3	22.6	22.9	26.0	19.6	43.2	47.9	38.5	44.3	49.1	39.4
1950	29.2	32.8	25.5	26.8	30.2	23.1	44.5	48.9	39.9	43.9	48.3	39.4
1940	47.0	52.5	41.3	43.2	48.3	37.8	73.8	82.2	65.2	72.9	81.1	64.6
Neonatal mortality rate												
Race of mother <sup>1</sup>												
1997	4.8	5.2	4.3	4.0	4.4	3.6	7.7	8.4	7.1	9.4	10.1	8.6
1996	4.8	5.2	4.3	4.0	4.3	3.6	7.9	8.6	7.1	9.6	10.4	8.7
1995	4.9	5.4	4.4	4.1	4.5	3.6	8.1	8.7	7.5	9.8	10.6	9.0
1994	5.1	5.6	4.6	4.2	4.5	3.8	8.6	9.5	7.7	10.2	11.3	9.1
1993	5.3	5.7	4.8	4.3	4.6	3.9	9.0	9.9	8.1	10.7	11.8	9.6
1992	5.4	5.8	4.9	4.3	4.7	4.0	9.2	10.0	8.3	10.8	11.8	9.8
1991	5.6	6.2	5.0	4.5	5.0	4.0	9.5	10.5	8.5	11.2	12.6	9.9
1990	5.8	6.5	5.2	4.8	5.4	4.2	9.9	10.8	8.9	11.6	12.7	10.4
1989	6.2	6.8	5.6	5.1	5.7	4.6	10.3	11.1	9.5	11.9	12.8	11.0
1988	6.3	6.9	5.7	5.3	5.8	4.7	10.3	11.2	9.4	12.1	13.1	10.9
1987	6.5	7.1	5.8	5.4	6.0	4.8	10.7	11.7	9.6	12.3	13.5	11.1
1986	6.7	7.4	6.0	5.7	6.3	5.1	10.8	11.8	9.7	12.3	13.6	11.0
1985	7.0	7.8	6.1	6.0	6.8	5.2	11.0	12.0	10.0	12.6	13.8	11.4
1984	7.0	7.7	6.3	6.1	6.7	5.4	10.9	11.7	10.1	12.3	13.2	11.4
1983	7.3	8.0	6.5	6.3	7.0	5.6	11.4	12.5	10.3	12.9	14.2	11.6
1982	7.7	8.5	6.9	6.7	7.4	5.9	12.0	13.2	10.9	13.6	14.9	12.3
1981	8.0	8.8	7.2	7.0	7.7	6.2	12.5	13.5	11.5	14.0	15.2	12.8
1980	8.5	9.3	7.6	7.4	8.2	6.5	13.2	14.3	12.1	14.6	15.9	13.3
Race of child <sup>2</sup>												
1980	8.5	9.3	7.6	7.5	8.3	6.6	12.5	13.5	11.5	14.1	15.3	12.8
1979	8.9	9.8	7.9	7.9	8.8	6.9	12.9	13.9	11.8	14.3	15.5	13.1
1978	9.5	10.5	8.4	8.4	9.3	7.4	14.0	15.5	12.4	15.5	17.2	13.7
1977	9.9	11.0	8.7	8.7	9.8	7.6	14.7	16.0	13.3	16.1	17.6	14.5
1976	10.9	12.0	9.7	9.7	10.7	8.5	16.3	17.7	14.9	17.9	19.5	16.3
1975	11.6	12.9	10.2	10.4	11.7	9.0	16.8	18.2	15.3	18.3	19.8	16.8
1970	15.1	17.0	13.1	13.8	15.5	11.9	21.4	23.9	18.9	22.8	25.4	20.1
1960	18.7	21.2	16.1	17.2	19.7	14.7	26.9	30.0	23.6	27.8	31.1	24.5
1950	20.5	23.3	17.5	19.4	22.2	16.4	27.5	30.8	24.2	27.8	31.1	24.4
1940	28.8	32.6	24.7	27.2	30.9	23.3	39.7	44.9	34.5	39.9	44.8	34.9

See footnotes at end of table.

**Table 27. Infant, neonatal, and postneonatal mortality rates by race and sex: United States, 1940, 1950, 1960, 1970, and 1975-97 - Con.**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days-11 months) deaths per 1,000 live births in specified group. Beginning in 1980, race for live births is tabulated according to race of mother; see Technical notes]

Year	All races			White			Total			All other		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Black		
										Both sexes	Male	Female
Postneonatal mortality rate												
Race of mother <sup>1</sup>												
1997 .....	2.5	2.8	2.1	2.0	2.3	1.8	4.0	4.5	3.6	4.8	5.3	4.2
1996 .....	2.5	2.8	2.2	2.1	2.4	1.8	4.3	4.7	3.9	5.1	5.6	4.6
1995 .....	2.7	3.0	2.4	2.2	2.5	1.9	4.5	4.8	4.1	5.3	5.7	4.8
1994 .....	2.9	3.2	2.6	2.4	2.7	2.1	4.9	5.3	4.4	5.6	6.2	5.0
1993 .....	3.1	3.5	2.6	2.5	2.9	2.1	5.1	5.7	4.4	5.8	6.6	5.1
1992 .....	3.1	3.5	2.7	2.6	3.0	2.2	5.2	5.7	4.8	6.0	6.5	5.5
1991 .....	3.4	3.8	2.9	2.8	3.2	2.3	5.6	6.0	5.1	6.3	6.8	5.8
1990 .....	3.4	3.8	3.0	2.8	3.1	2.4	5.7	6.2	5.1	6.4	6.9	5.9
1989 .....	3.6	4.0	3.1	2.9	3.4	2.5	6.0	6.5	5.5	6.7	7.2	6.2
1988 .....	3.6	4.0	3.2	3.1	3.5	2.6	5.7	6.1	5.4	6.5	6.9	6.1
1987 .....	3.6	4.1	3.2	3.1	3.5	2.6	5.8	6.3	5.2	6.4	7.1	5.8
1986 .....	3.6	4.1	3.1	3.1	3.5	2.6	5.9	6.6	5.2	6.6	7.3	5.8
1985 .....	3.7	4.2	3.2	3.2	3.6	2.7	5.8	6.3	5.3	6.4	7.0	5.8
1984 .....	3.8	4.2	3.3	3.2	3.7	2.8	6.2	6.7	5.6	6.8	7.5	6.2
1983 .....	3.9	4.3	3.4	3.3	3.7	2.9	6.4	7.0	5.8	7.0	7.8	6.3
1982 .....	3.8	4.3	3.3	3.2	3.7	2.8	6.3	6.9	5.6	6.9	7.6	6.1
1981 .....	3.9	4.3	3.5	3.4	3.8	2.9	6.3	6.8	5.8	6.8	7.4	6.3
1980 .....	4.1	4.6	3.6	3.5	3.9	3.0	7.0	7.6	6.3	7.6	8.3	6.9
Race of child <sup>2</sup>												
1980 .....	4.1	4.6	3.6	3.5	4.0	3.0	6.6	7.2	6.0	7.3	7.9	6.6
1979 .....	4.2	4.7	3.7	3.5	4.0	3.0	6.9	7.6	6.3	7.5	8.2	6.7
1978 .....	4.3	4.7	3.9	3.6	4.0	3.2	7.0	7.6	6.5	7.6	8.2	7.0
1977 .....	4.2	4.8	3.7	3.6	4.1	3.1	7.0	7.7	6.3	7.6	8.3	6.8
1976 .....	4.3	4.8	3.8	3.6	4.1	3.2	7.2	7.8	6.5	7.6	8.4	6.9
1975 .....	4.5	4.9	4.0	3.8	4.2	3.3	7.5	8.0	6.9	7.9	8.5	7.2
1970 .....	4.9	5.4	4.4	4.0	4.4	3.5	9.5	10.3	8.6	9.9	10.8	8.9
1960 .....	7.3	8.1	6.5	5.7	6.3	4.9	16.4	17.8	14.8	16.5	18.0	14.9
1950 .....	8.7	9.4	8.0	7.4	8.0	6.7	16.9	18.1	15.7	16.1	17.2	15.0
1940 .....	18.3	19.9	16.6	16.0	17.5	14.5	34.1	37.3	30.7	33.0	36.4	29.7

<sup>1</sup> Infant deaths based on race of child as stated on the death certificate; live births based on race of mother as stated on the birth certificate; see Technical notes.

<sup>2</sup> Infant deaths based on race of child as stated on the death certificate; live births based on race of parents as stated on the birth certificate; see Technical notes.

**Table 28. Number of infant, neonatal, and postneonatal deaths, percent of total deaths, mortality rates and percent change in mortality rates from 1996 to 1997 and 1979 to 1997 for the 10 leading causes of infant death in 1997 by race: United States**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days-11 months) deaths per 100,000 live births in specified group. Deaths based on race of decedent; live births based on race of mother; see Technical notes]

Rank <sup>1</sup>	Cause of death (Based on Ninth Revision, International Classification of Diseases, 1975)	Number	Percent of total deaths	Rate	Percent change <sup>2</sup> from--	
					1996 to 1997	1979 to 1997
INFANT MORTALITY						
...	All races <sup>3</sup> , all causes .....	28,045	100.0	722.6	-1.3	-44.7
1	Congenital anomalies (740-759) .....	6,178	22.0	159.2	-2.9	-37.7
2	Disorders relating to short gestation and unspecified low birthweight (765) .....	3,925	14.0	101.1	0.8	1.1
3	Sudden infant death syndrome (798.0) .....	2,991	10.7	77.1	-1.7	-49.0
4	Respiratory distress syndrome (769) .....	1,301	4.6	33.5	-4.3	-78.6
5	Newborn affected by maternal complications of pregnancy (761) .....	1,244	4.4	32.1	0.0	-30.8
6	Newborn affected by complications of placenta, cord, and membranes (762) .....	960	3.4	24.7	1.2	-11.2
7	Infections specific to the perinatal period (771) .....	777	2.8	20.0	3.1	-28.8
8	Accidents and adverse effects (E800-E949) .....	765	2.7	19.7	-4.8	-36.2
9	Intrauterine hypoxia and birth asphyxia (768) .....	452	1.6	11.6	5.5	-70.9
10	Pneumonia and influenza (480-487) .....	421	1.5	10.8	-15.0	-66.6
...	White, all causes .....	18,539	100.0	603.4	-0.5	-47.2
1	Congenital anomalies (740-759) .....	4,803	25.9	156.3	-2.4	-39.8
2	Disorders relating to short gestation and unspecified low birthweight (765) .....	2,077	11.2	67.6	-1.3	-10.6
3	Sudden infant death syndrome (798.0) .....	1,966	10.6	64.0	1.3	-48.5
4	Respiratory distress syndrome (769) .....	819	4.4	26.7	-2.2	-81.2
5	Newborn affected by maternal complications of pregnancy (761) .....	800	4.3	26.0	0.0	-31.4
6	Newborn affected by complications of placenta, cord, and membranes (762) .....	639	3.4	20.8	2.0	-22.1
7	Accidents and adverse effects (E800-E949) .....	515	2.8	16.8	-4.5	-36.6
8	Infections specific to the perinatal period (771) .....	510	2.8	16.6	7.8	-34.6
9	Intrauterine hypoxia and birth asphyxia (768) .....	319	1.7	10.4	3.0	-69.7
10	Pneumonia and influenza (480-487) .....	264	1.4	8.6	-14.0	-65.6
...	Black, all causes .....	8,496	100.0	1,416.2	-3.5	-35.0
1	Disorders relating to short gestation and unspecified low birthweight (765) .....	1,743	20.5	290.5	3.4	28.0
2	Congenital anomalies (740-759) .....	1,125	13.2	187.5	-6.2	-24.5
3	Sudden infant death syndrome (798.0) .....	918	10.8	153.0	-7.2	-45.8
4	Respiratory distress syndrome (769) .....	445	5.2	74.2	-6.7	-68.9
5	Newborn affected by maternal complications of pregnancy (761) .....	419	4.9	69.8	-1.7	-21.5
6	Newborn affected by complications of placenta, cord, and membranes (762) .....	292	3.4	48.7	1.7	34.5
7	Infections specific to the perinatal period (771) .....	238	2.8	39.7	-7.7	-10.4
8	Accidents and adverse effects (E800-E949) .....	221	2.6	36.8	-1.9	-31.2
9	Pneumonia and influenza (480-487) .....	141	1.7	23.5	-12.0	-65.6
10	Homicide (E960-E969) .....	110	1.3	18.3	-9.9	51.2

See footnotes at end of table.



**Table 28. Number of infant, neonatal, and postneonatal deaths, percent of total deaths, mortality rates and percent change in mortality rates from 1996 to 1997 and 1979 to 1997 for the 10 leading causes of infant death in 1997 by race: United States - Con.**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days-11 months) deaths per 100,000 live births in specified group. Deaths based on race of decedent; live births based on race of mother; see Technical notes]

Rank <sup>1</sup>	Cause of death (Based on Ninth Revision, International Classification of Diseases, 1975)	Number	Percent of total deaths	Rate	Percent change <sup>2</sup> from--	
					1996 to 1997	1979 to 1997
NEONATAL MORTALITY						
...	All races <sup>3</sup> , all causes .....	18,524	100.0	477.3	0.0	-46.2
1	Congenital anomalies (740-759) .....	4,476	24.2	115.3	-2.0	-36.9
2	Disorders relating to short gestation and unspecified low birthweight (765) .....	3,867	20.9	99.6	0.8	0.3
3	Newborn affected by maternal complications of pregnancy (761) .....	1,237	6.7	31.9	0.3	-30.7
4	Respiratory distress syndrome (769) .....	1,226	6.6	31.6	-1.9	-78.7
5	Newborn affected by complications of placenta, cord, and membranes (762) .....	946	5.1	24.4	1.7	-11.3
6	Infections specific to the perinatal period (771) .....	737	4.0	19.0	6.7	-29.9
7	Intrauterine hypoxia and birth asphyxia (768) .....	422	2.3	10.9	7.9	-71.5
8	Neonatal hemorrhage (772) .....	336	1.8	8.7	13.0	-67.0
9	Birth trauma (767) .....	182	1.0	4.7	11.9	-85.2
9	Sudden infant death syndrome (798.0) .....	182	1.0	4.7	-14.5	-60.5
...	White, all causes .....	12,269	100.0	399.3	0.5	-49.4
1	Congenital anomalies (740-759) .....	3,554	29.0	115.7	-1.5	-38.7
2	Disorders relating to short gestation and unspecified low birthweight (765) .....	2,037	16.6	66.3	-1.9	-11.6
3	Newborn affected by maternal complications of pregnancy (761) .....	794	6.5	25.8	-0.4	-31.6
4	Respiratory distress syndrome (769) .....	773	6.3	25.2	-0.4	-81.4
5	Newborn affected by complications of placenta, cord, and membranes (762) .....	627	5.1	20.4	1.5	-23.0
6	Infections specific to the perinatal period (771) .....	486	4.0	15.8	12.1	-35.8
7	Intrauterine hypoxia and birth asphyxia (768) .....	298	2.4	9.7	5.4	-70.6
8	Neonatal hemorrhage (772) .....	228	1.9	7.4	15.6	-69.0
9	Birth trauma (767) .....	137	1.1	4.5	15.4	-84.2
10	Sudden infant death syndrome (798.0) .....	121	1.0	3.9	-15.2	-60.2
...	Black, all causes .....	5,637	100.0	939.6	-1.7	-34.3
1	Disorders relating to short gestation and unspecified low birthweight (765) .....	1,726	30.6	287.7	4.2	27.6
2	Congenital anomalies (740-759) .....	749	13.3	124.9	-4.7	-24.1
3	Respiratory distress syndrome (769) .....	420	7.5	70.0	-3.8	-68.9
4	Newborn affected by maternal complications of pregnancy (761) .....	418	7.4	69.7	-0.6	-20.4
5	Newborn affected by complications of placenta, cord, and membranes (762) .....	290	5.1	48.3	3.4	35.7
6	Infections specific to the perinatal period (771) .....	224	4.0	37.3	-6.3	-12.4
7	Intrauterine hypoxia and birth asphyxia (768) .....	109	1.9	18.2	20.5	-71.9
8	Neonatal hemorrhage (772) .....	96	1.7	16.0	0.0	-61.0
9	Sudden infant death syndrome (798.0) .....	53	0.9	8.8	-20.7	-59.6
10	Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	51	0.9	8.5	-14.1	23.2

See footnotes at end of table.

**Table 28. Number of infant, neonatal, and postneonatal deaths, percent of total deaths, mortality rates and percent change in mortality rates from 1996 to 1997 and 1979 to 1997 for the 10 leading causes of infant death in 1997 by race: United States - Con.**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days-11 months) deaths per 100,000 live births in specified group. Deaths based on race of decedent; live births based on race of mother; see Technical notes]

Rank <sup>1</sup>	Cause of death (Based on Ninth Revision, International Classification of Diseases, 1975)	Number	Percent of total deaths	Rate	Percent change <sup>2</sup> from--	
					1996 to 1997	1979 to 1997
POSTNEONATAL MORTALITY						
...	All races <sup>3</sup> , all causes .....	9,521	100.0	245.3	-3.7	-41.6
1	Sudden infant death syndrome (798.0) .....	2,809	29.5	72.4	-0.7	-48.0
2	Congenital anomalies (740-759) .....	1,702	17.9	43.9	-5.4	-39.5
3	Accidents and adverse effects (E800-E949) .....	678	7.1	17.5	-4.4	-38.4
4	Pneumonia and influenza (480-487) .....	324	3.4	8.3	-18.6	-66.0
5	Homicide and legal intervention (E960-E969) .....	281	3.0	7.2	-1.4	89.5
6	Septicemia (038) .....	196	2.1	5.1	0.0	-32.0
7	Bronchitis and bronchiolitis (466,490-491) .....	105	1.1	2.7	17.4	-34.1
8	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	82	0.9	2.1	10.5	-27.6
9	Meningitis (320-322) .....	77	0.8	2.0	-4.8	-76.5
10	Respiratory distress syndrome (769) .....	75	0.8	1.9	-29.6	-76.2
...	White, all causes .....	6,270	100.0	204.1	-2.4	-42.3
1	Sudden infant death syndrome (798.0) .....	1,845	29.4	60.0	2.4	-47.6
2	Congenital anomalies (740-759) .....	1,249	19.9	40.6	-4.5	-42.7
3	Accidents and adverse effects (E800-E949) .....	450	7.2	14.6	-5.8	-40.2
4	Pneumonia and influenza (480-487) .....	196	3.1	6.4	-19.0	-64.8
5	Homicide and legal intervention (E960-E969) .....	168	2.7	5.5	0.0	111.5
6	Septicemia (038) .....	125	2.0	4.1	7.9	-28.1
7	Bronchitis and bronchiolitis (466,490-491) .....	70	1.1	2.3	35.3	-34.3
8	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	63	1.0	2.1	5.0	-30.0
9	Meningitis (320-322) .....	46	0.7	1.5	7.1	-76.6
9	Respiratory distress syndrome (769) .....	46	0.7	1.5	-28.6	-78.9
...	Black, all causes .....	2,859	100.0	476.6	-6.8	-36.2
1	Sudden infant death syndrome (798.0) .....	865	30.3	144.2	-6.2	-44.6
2	Congenital anomalies (740-759) .....	376	13.2	62.7	-9.0	-25.0
3	Accidents and adverse effects (E800-E949) .....	202	7.1	33.7	1.2	-31.2
4	Pneumonia and influenza (480-487) .....	114	4.0	19.0	-13.6	-64.8
5	Homicide and legal intervention (E960-E969) .....	98	3.4	16.3	-9.4	68.0
6	Septicemia (038) .....	68	2.4	11.3	-8.9	-31.9
7	Viral diseases (045-079) .....	31	1.1	5.2	136.4	30.0
8	Bronchitis and bronchiolitis (466,490-491) .....	30	1.0	5.0	2.0	-29.6
9	Respiratory distress syndrome (769) .....	25	0.9	4.2	-37.3	-68.4
10	Meningitis (320-322) .....	23	0.8	3.8	-37.7	-78.5

...Category not applicable.

<sup>1</sup> Rank based on number of deaths; see Technical notes.

<sup>2</sup> Percent change based on rates between two time periods.

<sup>3</sup> Includes races other than white and black.

**Table 29. Number of infant deaths and infant mortality rates for the 10 leading causes of infant death, by Hispanic origin and race for non-Hispanic population: United States, 1997**

[Rates are infant deaths (under 1 year) per 100,000 live births in specified group. Race and Hispanic origin are reported separately on the birth and death certificates. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated separately by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of inconsistencies between reporting Hispanic origin on birth and death certificates; see Technical notes. National linked files should be used to measure infant mortality for specific Hispanic subgroups]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	Number	Rate
Hispanic			
...	All causes .....	4,240	597.4
1	Congenital anomalies (740-759) .....	1,145	161.3
2	Disorders relating to short gestation and unspecified low birthweight (765) .....	523	73.7
3	Sudden infant death syndrome (798.0) .....	338	47.6
4	Respiratory distress syndrome (769) .....	188	26.5
5	Newborn affected by maternal complications of pregnancy (761) .....	146	20.6
6	Newborn affected by complications of placenta, cord, and membranes (762) .....	126	17.8
7	Accidents and adverse effects (E800-E949) .....	124	17.5
8	Infections specific to the perinatal period (771) .....	118	16.6
9	Pneumonia and influenza (480-487) .....	76	10.7
10	Intrauterine hypoxia and birth asphyxia (768) .....	59	8.3
...	All other causes (Residual) .....	1,397	196.8
Total non-Hispanic <sup>2</sup>			
...	All causes .....	23,387	750.7
1	Congenital anomalies (740-759) .....	4,953	159.0
2	Disorders relating to short gestation and unspecified low birthweight (765) .....	3,309	106.2
3	Sudden infant death syndrome (798.0) .....	2,639	84.7
4	Respiratory distress syndrome (769) .....	1,080	34.7
5	Newborn affected by maternal complications of pregnancy (761) .....	1,077	34.6
6	Newborn affected by complications of placenta, cord, and membranes (762) .....	817	26.2
7	Infections specific to the perinatal period (771) .....	655	21.0
8	Accidents and adverse effects (E800-E949) .....	636	20.4
9	Intrauterine hypoxia and birth asphyxia (768) .....	384	12.3
10	Pneumonia and influenza (480-487) .....	339	10.9
...	All other causes (Residual) .....	7,498	240.7
White non-Hispanic			
...	All causes .....	14,170	607.3
1	Congenital anomalies (740-759) .....	3,629	155.5
2	Sudden infant death syndrome (798.0) .....	1,632	69.9
3	Disorders relating to short gestation and unspecified low birthweight (765) .....	1,521	65.2
4	Newborn affected by maternal complications of pregnancy (761) .....	647	27.7
5	Respiratory distress syndrome (769) .....	618	26.5
6	Newborn affected by complications of placenta, cord, and membranes (762) .....	504	21.6
7	Infections specific to the perinatal period (771) .....	396	17.0
8	Accidents and adverse effects (E800-E949) .....	390	16.7
9	Intrauterine hypoxia and birth asphyxia (768) .....	256	11.0
10	Pneumonia and influenza (480-487) .....	187	8.0
...	All other causes (Residual) .....	4,390	188.1
Black non-Hispanic			
...	All causes .....	8,272	1,422.7
1	Disorders relating to short gestation and unspecified low birthweight (765) .....	1,690	290.7
2	Congenital anomalies (740-759) .....	1,089	187.3
3	Sudden infant death syndrome (798.0) .....	906	155.8
4	Respiratory distress syndrome (769) .....	427	73.4
5	Newborn affected by maternal complications of pregnancy (761) .....	408	70.2
6	Newborn affected by complications of placenta, cord, and membranes (762) .....	286	49.2
7	Infections specific to the perinatal period (771) .....	232	39.9
8	Accidents and adverse effects (E800-E949) .....	219	37.7
9	Pneumonia and influenza (480-487) .....	137	23.6
10	Intrauterine hypoxia and birth asphyxia (768) .....	112	19.3
...	All other causes (Residual) .....	2,766	475.7

... Category not applicable.

<sup>1</sup> Rank based on number of deaths; see Technical notes.

<sup>2</sup> Includes races other than white and black.

**Table 30. Number of infant deaths and infant mortality rates for 61 selected causes and Human immunodeficiency virus infection, by race: United States, 1997**

[Rates are infant deaths (under 1 year) per 100,000 live births in specified group. Infant deaths based on race of decedent; live births based on race of mother. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	Number			Rate		
	All races <sup>1</sup>	White	Black	All races <sup>1</sup>	White	Black
All causes .....	28,045	18,539	8,496	722.6	603.4	1,416.2
Certain intestinal infections (008-009) .....	200	114	81	5.2	3.7	13.5
Whooping cough (033) .....	6	4	1	*	*	*
Meningococcal infection (036) .....	46	37	8	1.2	1.2	*
Septicemia (038) .....	196	125	68	5.1	4.1	11.3
Viral diseases (045-079) .....	111	64	41	2.9	2.1	6.8
Congenital syphilis (090) .....	4	3	1	*	*	*
Remainder of infectious and parasitic diseases (001,007,010-032,034-035,037,039-041,*042-*044,080-088,091-139) .....	158	86	67	4.1	2.8	11.2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	91	68	13	2.3	2.2	*
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	63	48	12	1.6	1.6	*
Diseases of thymus gland (254) .....	3	2	1	*	*	*
Cystic fibrosis (277.0) .....	10	8	2	*	*	*
Diseases of blood and blood-forming organs (280-289) .....	81	52	22	2.1	1.7	3.7
Meningitis (320-322) .....	97	62	27	2.5	2.0	4.5
Other diseases of nervous system and sense organs (323-389) .....	334	256	62	8.6	8.3	10.3
Acute upper respiratory infections (460-465) .....	12	9	3	*	*	*
Bronchitis and bronchiolitis (466,490-491) .....	106	71	30	2.7	2.3	5.0
Pneumonia and influenza (480-487) .....	421	264	141	10.8	8.6	23.5
Pneumonia (480-486) .....	409	254	139	10.5	8.3	23.2
Influenza (487) .....	12	10	2	*	*	*
Remainder of diseases of respiratory system (470-478,492-519) .....	274	167	94	7.1	5.4	15.7
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	77	50	25	2.0	1.6	4.2
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	76	48	26	2.0	1.6	4.3
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	187	130	47	4.8	4.2	7.8
Congenital anomalies (740-759) .....	6,178	4,803	1,125	159.2	156.3	187.5
Anencephalus and similar anomalies (740) .....	344	283	39	8.9	9.2	6.5
Spina bifida (741) .....	48	43	5	1.2	1.4	*
Congenital hydrocephalus (742.3) .....	146	100	38	3.8	3.3	6.3
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	290	213	59	7.5	6.9	9.8
Congenital anomalies of heart (745-746) .....	1,760	1,389	308	45.4	45.2	51.3
Other congenital anomalies of circulatory system (747) .....	332	242	68	8.6	7.9	11.3
Congenital anomalies of respiratory system (748) .....	973	729	206	25.1	23.7	34.3
Congenital anomalies of digestive system (749-751) .....	94	74	17	2.4	2.4	*
Congenital anomalies of genitourinary system (752-753) .....	302	236	57	7.8	7.7	9.5
Congenital anomalies of musculoskeletal system (754-756) .....	424	348	63	10.9	11.3	10.5
Down's syndrome (758.0) .....	102	69	30	2.6	2.2	5.0
Other chromosomal anomalies (758.1-758.9) .....	805	651	118	20.7	21.2	19.7
All other and unspecified congenital anomalies (744,757,759) .....	558	426	117	14.4	13.9	19.5
Certain conditions originating in the perinatal period (760-779) .....	12,935	7,877	4,664	333.3	256.4	777.4
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	164	96	61	4.2	3.1	10.2
Newborn affected by maternal complications of pregnancy (761) .....	1,244	800	419	32.1	26.0	69.8
Newborn affected by complications of placenta, cord, and membranes (762) .....	960	639	292	24.7	20.8	48.7
Newborn affected by other complications of labor and delivery (763) .....	76	54	16	2.0	1.8	*
Slow fetal growth and fetal malnutrition (764) .....	39	26	12	1.0	0.8	*
Disorders relating to short gestation and unspecified low birthweight (765) .....	3,925	2,077	1,743	101.1	67.6	290.5
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	*	*	*
Birth trauma (767) .....	185	138	41	4.8	4.5	6.8
Intrauterine hypoxia and birth asphyxia (768) .....	452	319	117	11.6	10.4	19.5
Fetal distress in liveborn infant (768.2-768.4) .....	123	93	25	3.2	3.0	4.2
Birth asphyxia (768.5-768.9) .....	329	226	92	8.5	7.4	15.3
Respiratory distress syndrome (769) .....	1,301	819	445	33.5	26.7	74.2
Other respiratory conditions of newborn (770) .....	1,734	1,081	593	44.7	35.2	98.8
Infections specific to the perinatal period (771) .....	777	510	238	20.0	16.6	39.7
Neonatal hemorrhage (772) .....	339	230	96	8.7	7.5	16.0
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	14	8	6	*	*	*
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	11	7	4	*	*	*
Hemorrhagic disease of newborn (776.0) .....	1	1	-	*	*	*
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	1,713	1,072	581	44.1	34.9	96.8
Symptoms, signs, and ill-defined conditions (780-799) .....	3,773	2,428	1,206	97.2	79.0	201.0
Sudden infant death syndrome (798.0) .....	2,991	1,966	918	77.1	64.0	153.0
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	782	462	288	20.1	15.0	48.0
Accidents and adverse effects (E800-E949) .....	765	515	221	19.7	16.8	36.8
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	76	49	26	2.0	1.6	4.3
Accidental mechanical suffocation (E913) .....	303	193	102	7.8	6.3	17.0
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	386	273	93	9.9	8.9	15.5
Homicide (E960-E969) .....	317	189	110	8.2	6.2	18.3
Child battering and other maltreatment (E967) .....	98	66	29	2.5	2.1	4.8
Other homicide (E960-E966,E968-E969) .....	219	123	81	5.6	4.0	13.5
All other causes (Residual) .....	1,524	1,059	398	39.3	34.5	66.3
Human immunodeficiency virus infection <sup>2</sup> (*042-*044) .....	19	5	14	*	*	*

- Quantity zero.

\* Figure does not meet standards of reliability or precision; see Technical notes.

<sup>1</sup> Includes races other than white and black.

<sup>2</sup> Included in "Remainder of infectious and parasitic diseases" shown above.

NOTE: For a small number of deaths considered to be of public health concern, selected causes of death could not be confirmed by the State of California; see Technical notes.

**Table 31. Number of infant and neonatal deaths and mortality rates, by race for the United States, each division, each State, Puerto Rico, Virgin Islands, Guam, and American Samoa, and by sex for the United States, 1997**

[Rates are infant deaths (under 1 year) per 1,000 live births in specified group. Infant deaths based on race of decedent; live births based on race of mother. See Technical notes]

Sex and area	Infant deaths						Neonatal deaths					
	All races <sup>1</sup>		White		Black		All races <sup>1</sup>		White		Black	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
United States .....	28,045	7.2	18,539	6.0	8,496	14.2	18,524	4.8	12,269	4.0	5,637	9.4
Male .....	15,788	8.0	10,503	6.7	4,710	15.5	10,327	5.2	6,882	4.4	3,083	10.1
Female .....	12,257	6.5	8,036	5.4	3,786	12.8	8,197	4.3	5,387	3.6	2,554	8.6
New England .....	990	5.8	815	5.4	155	10.9	753	4.4	623	4.2	116	8.1
Maine .....	70	5.1	70	5.3	-	*	46	3.4	46	3.5	-	*
New Hampshire .....	62	4.3	60	4.3	1	*	46	3.2	45	3.2	-	*
Vermont .....	40	6.1	40	6.1	-	*	28	4.2	28	4.3	-	*
Massachusetts .....	421	5.2	342	5.0	68	8.8	323	4.0	268	3.9	48	6.2
Rhode Island .....	87	7.0	76	7.0	9	*	69	5.5	60	5.5	7	*
Connecticut .....	310	7.2	227	6.3	77	14.3	241	5.6	176	4.9	61	11.4
Middle Atlantic .....	3,544	6.9	2,198	5.6	1,245	12.9	2,478	4.8	1,557	4.0	856	8.9
New York .....	1,727	6.7	1,056	5.7	604	10.9	1,204	4.7	748	4.1	407	7.4
New Jersey .....	719	6.3	418	4.9	282	13.4	511	4.5	313	3.7	191	9.1
Pennsylvania .....	1,098	7.6	724	6.0	359	17.6	763	5.3	496	4.1	258	12.6
East North Central .....	4,917	8.0	3,233	6.4	1,612	16.5	3,295	5.3	2,212	4.4	1,033	10.6
Ohio .....	1,189	7.8	830	6.5	352	15.6	794	5.2	567	4.5	222	9.8
Indiana .....	682	8.2	538	7.3	139	15.8	439	5.3	350	4.8	87	9.9
Illinois .....	1,523	8.4	885	6.4	607	17.1	1,017	5.6	607	4.4	386	10.9
Michigan .....	1,092	8.2	650	6.1	425	17.5	754	5.6	461	4.4	282	11.6
Wisconsin .....	431	6.5	330	5.7	89	13.9	291	4.4	227	4.0	56	8.7
West North Central .....	1,754	6.9	1,329	5.9	331	16.8	1,111	4.4	853	3.8	209	10.6
Minnesota .....	382	5.9	294	5.1	55	16.5	242	3.8	189	3.3	33	9.9
Iowa .....	229	6.2	204	5.9	20	18.2	148	4.0	133	3.8	12	*
Missouri .....	564	7.6	377	6.1	180	16.3	352	4.8	233	3.8	115	10.4
North Dakota .....	52	6.2	44	5.9	1	*	30	3.6	29	3.9	-	*
South Dakota .....	78	7.7	45	5.3	3	*	39	3.8	27	3.2	2	*
Nebraska .....	173	7.4	144	6.8	24	19.2	124	5.3	103	4.8	17	*
Kansas .....	276	7.4	221	6.6	48	17.1	176	4.7	139	4.2	30	10.7
South Atlantic .....	5,587	8.3	2,872	6.1	2,616	14.4	3,861	5.8	1,950	4.2	1,842	10.1
Delaware .....	80	7.8	43	5.7	36	14.5	53	5.2	27	3.6	26	10.4
Maryland .....	616	8.8	228	5.1	371	16.2	442	6.3	156	3.5	270	11.8
District of Columbia .....	105	13.2	7	*	97	16.7	77	9.7	5	*	72	12.4
Virginia .....	714	7.8	401	6.0	299	14.2	505	5.5	279	4.2	215	10.2
West Virginia .....	198	9.6	181	9.1	15	*	133	6.4	122	6.1	9	*
North Carolina .....	985	9.2	520	6.9	431	15.7	692	6.5	363	4.8	302	11.0
South Carolina .....	501	9.6	213	6.4	283	15.4	359	6.9	156	4.7	200	10.9
Georgia .....	1,022	8.6	464	6.1	548	13.8	706	6.0	317	4.2	385	9.7
Florida .....	1,366	7.1	815	5.7	536	12.3	894	4.6	525	3.6	363	8.3
East South Central .....	2,047	8.9	1,161	6.9	874	14.6	1,266	5.5	715	4.3	543	9.1
Kentucky .....	387	7.3	334	7.0	51	11.0	240	4.5	206	4.3	33	7.1
Tennessee .....	637	8.6	368	6.5	266	16.3	380	5.1	219	3.8	160	9.8
Alabama .....	581	9.5	302	7.5	275	13.9	375	6.2	193	4.8	179	9.0
Mississippi .....	442	10.6	157	7.1	282	14.9	271	6.5	97	4.4	171	9.0
West South Central .....	3,457	7.1	2,394	6.2	986	12.5	2,075	4.3	1,419	3.7	603	7.6
Arkansas .....	316	8.7	208	7.4	108	13.8	189	5.2	117	4.2	72	9.2
Louisiana .....	630	9.5	250	6.6	375	13.8	409	6.2	159	4.2	246	9.1
Oklahoma .....	361	7.5	254	6.7	71	15.0	220	4.6	158	4.2	41	8.6
Texas .....	2,150	6.4	1,682	5.9	432	10.9	1,257	3.8	985	3.5	244	6.2
Mountain .....	1,760	6.6	1,518	6.4	118	14.5	1,094	4.1	960	4.0	74	9.1
Montana .....	75	6.9	57	6.0	1	*	41	3.8	36	3.8	-	*
Idaho .....	127	6.8	125	6.9	-	*	79	4.3	78	4.3	-	*
Wyoming .....	37	5.8	34	5.6	1	*	20	3.1	17	*	1	*
Colorado .....	397	7.0	348	6.7	42	16.3	265	4.7	234	4.5	25	9.7
New Mexico .....	164	6.1	127	5.6	8	*	88	3.3	70	3.1	6	*
Arizona .....	536	7.1	450	6.8	36	14.4	343	4.5	295	4.5	24	9.6
Utah .....	249	5.8	236	5.8	1	*	153	3.6	147	3.6	-	*
Nevada .....	175	6.5	141	6.2	29	13.6	105	3.9	83	3.6	18	*
Pacific .....	3,989	5.9	3,019	5.5	559	13.2	2,591	3.8	1,980	3.6	361	8.5
Washington .....	440	5.6	359	5.3	49	15.4	263	3.4	220	3.3	23	7.2
Oregon .....	256	5.8	231	5.7	14	*	157	3.6	147	3.7	4	*
California .....	3,104	5.9	2,370	5.6	489	13.1	2,063	3.9	1,584	3.7	329	8.8
Alaska .....	75	7.5	45	6.8	4	*	35	3.5	20	3.0	3	*
Hawaii .....	114	6.6	14	*	3	*	73	4.2	9	*	2	*
Puerto Rico .....	724	11.3	707	11.9	17	*	522	8.1	512	8.6	10	*
Virgin Islands .....	26	12.9	4	*	22	13.8	19	*	4	*	15	*
Guam .....	35	8.1	1	*	1	*	17	*	1	*	1	*
American Samoa .....	17	*	1	*	-	*	12	*	1	*	-	*

- Quantity zero.

\* Figure does not meet standards of reliability or precision; see Technical notes.

<sup>1</sup> Includes races other than white and black.

**Table 32. Number of maternal deaths and maternal mortality rates for selected causes, by race: United States, 1997**

[Maternal deaths are those assigned to Complications of pregnancy, childbirth, and the puerperium, categories 630-676 of the *Ninth Revision, International Classification of Diseases, 1975*. Rates per 100,000 live births in specified group; see Technical notes]

Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	Number				Rate			
	All races	White	All other		All races	White	All other	
			Total	Black			Total	Black
Complications of pregnancy, childbirth, and the puerperium (630-676) ....	327	179	148	125	8.4	5.8	18.3	20.8
Pregnancy with abortive outcome (630-638) .....	41	18	23	21	1.1	*	2.8	3.5
Ectopic pregnancy (633) .....	25	11	14	13	0.6	*	*	*
Spontaneous abortion (634) .....	5	2	3	2	*	*	*	*
Legally induced abortion (635) .....	3	2	1	1	*	*	*	*
Illegally induced abortion (636) .....	-	-	-	-	*	*	*	*
Other pregnancy with abortive outcome (630-632,637-638) .....	8	3	5	5	*	*	*	*
Direct obstetric causes (640-646,651-676) .....	278	155	123	102	7.2	5.0	15.2	17.0
Hemorrhage of pregnancy and childbirth (640-641,666) .....	44	25	19	17	1.1	0.8	*	*
Toxemia of pregnancy (642.4-642.9,643) .....	64	33	31	27	1.6	1.1	3.8	4.5
Obstructed labor (660) .....	-	-	-	-	*	*	*	*
Complications of the puerperium (670-676) .....	125	73	52	39	3.2	2.4	6.4	6.5
Major puerperal infections (670) .....	7	6	1	1	*	*	*	*
Venous complications in pregnancy and the puerperium (671) .....	9	3	6	6	*	*	*	*
Obstetrical pulmonary embolism (673) .....	61	42	19	14	1.6	1.4	*	*
Other and unspecified complications of the puerperium, not elsewhere classified (674) .....	48	22	26	18	1.2	0.7	3.2	*
All other complications of the puerperium (672,675-676) .....	-	-	-	-	*	*	*	*
Other direct obstetric causes (642.0-642.3,644-646,651-659,661-665,667-669) .....	45	24	21	19	1.2	0.8	2.6	*
Indirect obstetric causes (647-648) .....	8	6	2	2	*	*	*	*
Delivery in a completely normal case (650) .....	-	-	-	-	*	*	*	*

\* Figure does not meet standards of reliability or precision; see Technical notes.  
 - Quantity zero.

## Technical notes

### Nature and sources of data

Data in this report are based on information from all death certificates filed in the 50 States and the District of Columbia. The U.S. Standard Certificate of Death—which is used as a model by the States—was last revised in 1989; for additional details see the 1989 revision of the U.S. standard certificates and reports (17) and Technical Appendix of *Vital Statistics of the United States, 1989*, Volume II, Mortality, part A (18).

Mortality statistics are based on information coded by the States and provided to the National Center for Health Statistics (NCHS) through the Vital Statistics Cooperative Program (VSCP) and from copies of the original certificates received by NCHS from the State registration offices. In 1997 all the States and the District of Columbia participated in this program and submitted part or all of the mortality data for 1997 in electronic data files to NCHS. The 42 States in the VSCP that submitted precoded medical data for all deaths are Alabama, Alaska, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Indiana, Iowa, Kansas, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Montana, Nebraska, Nevada, New Hampshire, New Mexico, New York State (excluding New York City), North Carolina, North Dakota, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Texas, Utah, Vermont, Virginia, Washington, Wisconsin, and Wyoming. Of these 42 States, Maine, Montana, and North Dakota contracted with a private company to provide precoded medical data to NCHS. The remaining eight States, New York City, and the District of Columbia submitted copies of the original certificates from which NCHS coded the medical data. For 1997 all States submitted precoded demographic data for all deaths.

Data for the entire United States refer to events occurring within the United States. Data shown for geographic areas are by place of residence. Beginning with 1970 mortality statistics for the United States exclude deaths of nonresidents of the United States. All data exclude fetal deaths.

Mortality statistics for Puerto Rico, Virgin Islands, and American Samoa (shown for the first time in this report) exclude deaths of nonresidents of Puerto Rico, Virgin Islands, and American Samoa, respectively. For Guam, however, mortality statistics exclude deaths that occurred to a resident of any place other than Guam or the United States.

### Race

*Quality of race data*—A number of studies have been conducted on the reliability of race reported on the death certificate by comparing race on the death certificate with that reported on another data collection instrument, such as the census or a survey. Differences may arise because of differences in who provides race information on the compared records. Race information on the death certificate is reported by the funeral director as provided by an informant or in the absence of an informant, on the basis of observation. In contrast, race on the census or on the Current Population Survey (CPS) is obtained while the individual is alive and is self-reported or reported by another member of the household familiar with the individual and, therefore,

may be considered more valid. A high level of agreement between the death certificate and the census or survey report is essential to assure unbiased death rates by race.

Results from several studies (19–21) show that a person self-reported as American Indian or Asian on census or survey records was sometimes reported as white on the death certificate. The net effect of misclassification is an underestimation of deaths and death rates for races other than white and black. In addition, undercoverage of minority groups in the census and resultant population estimates, introduces biases into death rates by race (4,22,23). Estimates of the approximate effect of the combined bias due to race misclassification on death certificates and underenumeration on the 1990 census are as follows: white, –1.0 percent; black, –5.0; American Indian, +20.6; Asian or Pacific Islander, +10.7 (23).

*Other races and race not stated*—Beginning in 1992 all records coded as “Other races” (0.02 percent of the total deaths in 1997) were assigned to the specified race of the previous record. Records for which race was unknown, not stated, or not classifiable (0.08 percent) were assigned the racial designation of the previous record.

*Infant and maternal mortality rates*—For 1989–97, as in previous years, infant and maternal deaths continue to be tabulated by the race of the decedent. However, beginning with the 1989 data year, the method of tabulating live births by race was changed from race of parents to race of mother as stated on the birth certificate. This change affects infant and maternal mortality rates because live births are the denominators of these rates (24,25). To improve continuity and ease of interpretation, trend data by race in this report have been retabulated by race of mother for all years beginning with the 1980 data year.

Quantitatively, the change in the basis for tabulating live births by race results in more white births and fewer black births and births of other races. Consequently, infant and maternal mortality rates under the new tabulating procedure tend to be about 2 percent lower for white infants and about 5 percent higher for black infants than when they are computed by the previous method of tabulating live births by race of parents. Rates for most other minority races also are higher when computed by race of mother (18,25).

Infant mortality rates for specified race are biased because of inconsistencies in reporting race between the birth and death certificates for the same infant. Infant mortality rates by specified race are less subject to reporting bias when based on the linked file of infant deaths and live births (15). The linked file computes infant mortality rates using the race of the mother from the birth certificate in both the numerator and denominator. Race information on the birth certificate is considered to be more accurate than that on the death certificate because, on the birth certificate, race is generally reported by the mother at the time of delivery. Estimates of reporting bias have been made by comparing rates based on the linked files with those in which the race of infant death is based on information from the death certificate (18,23).

### Hispanic origin

For 1997 mortality data for the Hispanic-origin population are, for the first time, based on deaths to residents of all 50 States and the District of Columbia.

Infant mortality rates for the Hispanic-origin population are based on numbers of resident infant deaths reported to be of Hispanic origin and numbers of resident live births by Hispanic origin of mother for the United States. In computing infant mortality rates, deaths and live births

of unknown origin are not distributed among the specified Hispanic and non-Hispanic groups. The percent of infant deaths of unknown origin was 1.5 and the percent of live births of unknown origin was 1.4 for the United States for 1997.

Small numbers of infant deaths for specific Hispanic-origin groups result in infant mortality rates subject to relatively large random variation (see "Random variation"). Infant mortality rates by Hispanic origin are less subject to reporting bias when based on linked files of infant deaths and live births (15).

*Quality of Hispanic origin data*—The National Longitudinal Mortality Study (NLMS) examined the reliability of Hispanic origin reported on 43,520 death certificates with that reported on a total of 12 Current Population Surveys conducted by the U.S. Bureau of the Census for the years 1979–85 (20). In this study, agreement—on a record-by-record basis—was 89.7 percent for any report of Hispanic origin. The ratio of deaths for CPS divided by deaths for death certificate was 1.07 percent indicating net underreporting of Hispanic origin on death certificates as compared with self-reports on the surveys. The sample was too small to assess the reliability of specified Hispanic groups. Death rates for the Hispanic-origin population are also affected by undercoverage of this population group in the census and resultant population estimates; the estimated net correction, taking into account both sources of bias, is 1.6 percent (22,23).

### Cause-of-death classification

The mortality statistics presented here were compiled in accordance with the World Health Organization (WHO) regulations, which specify that member nations classify causes of death by the current *Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death*, which is the Ninth Revision of the *International Classification of Diseases* (ICD-9) (5). Causes of death for 1979–97 were classified according to the manual. For earlier years causes of death were classified according to the revisions then in use—1968–78, Eighth Revision, adapted for use in the United States; 1958–67, Seventh Revision; and 1949–57, Sixth Revision. Changes in classification of causes of death due to these revisions may result in discontinuities in cause-of-death trends. Consequently, cause-of-death comparisons among revisions require consideration of comparability ratios and, where available, estimates of their standard errors. Comparability ratios between the Eighth and Ninth Revisions, between the Seventh and Eighth Revisions, and between the Sixth and Seventh Revisions may be found in other NCHS reports (26–28).

Besides providing the classification, WHO regulations specify the format of the medical cause of death on the death certificate, provide definitions, and define the procedures to be used in coding cause of death. Cause-of-death data presented in this publication were coded by procedures outlined in annual issues of the *NCHS Instruction Manual* (29–31).

Before data for 1968, mortality medical data were based on manual coding of an underlying cause of death for each certificate in accordance with WHO rules. Effective with data year 1968, NCHS converted to computerized coding of the underlying cause and manual coding of all causes (multiple causes) on the death certificate. In this system, called "Automated Classification of Medical Entities" (ACME) (32), multiple cause codes serve as inputs to the computer software that employs WHO rules to select the underlying cause. Many States have

implemented ACME and provide multiple cause and underlying cause data to NCHS in electronic form; for those States that have not, NCHS coded the mortality medical data using ACME.

The ACME system is used to select the underlying cause of death for all death certificates in the United States. In addition, NCHS has developed two computer systems as inputs to ACME. Beginning with 1990 data, the Mortality Medical Indexing, Classification, and Retrieval system (MICAR) (33,34), was introduced to automate coding multiple causes of death. In addition, MICAR provides more detailed information on the conditions reported on death certificates than is available through the *International Classification of Diseases* (ICD) code structure. Beginning with data year 1993, SuperMICAR, an enhancement of the MICAR system, was introduced. SuperMICAR allows for literal entry of the multiple cause-of-death text as reported by the certifier. This information is then automatically processed by the MICAR and ACME computer systems. Records that cannot be automatically processed by MICAR or SuperMICAR are manually multiple-cause coded and then further processed through ACME.

For 1997 approximately 29 percent of the Nation's death records were multiple-cause coded using SuperMICAR and 71 percent, using MICAR only. This represents data from 22 States that were coded by SuperMICAR and data from 28 States, the District of Columbia, and New York City that were coded by MICAR.

In this report tabulations of cause-of-death statistics are based solely on the underlying cause of death. The underlying cause is defined by WHO as the disease or injury that initiated the sequence of events leading directly to death or as the circumstances of the accident or violence that produced the fatal injury (5). It is selected from the conditions entered by the physician in the cause-of-death section of the death certificate. When more than one cause or condition is entered by the physician, the underlying cause is determined by the sequence of conditions on the certificate, provisions of the ICD, and associated selection rules and modifications. Generally, more medical information is reported on death certificates than is directly reflected in the underlying cause of death. This is captured in the NCHS multiple cause-of-death statistics (35–37).

### Codes for HIV infection

Beginning with data for 1987, NCHS introduced categories \*042–\*044 for classifying and coding Human immunodeficiency virus (HIV) infection. The asterisks before the category numbers indicate that they are not part of the *Ninth Revision, International Classification of Diseases* (ICD-9). Deaths classified to HIV infection are included, but not shown separately, in the category "All other infectious and parasitic diseases" in the List of 72 Selected Causes of Death and in the category "Remainder of infectious and parasitic diseases" in the List of 61 Selected Causes of Infant Deaths. Before 1987 deaths involving HIV infection were classified to "Deficiency of cell-mediated immunity" (ICD-9 No. 279.1), contained in the category "All other diseases"; to "Pneumocystosis" (ICD-9 No. 136.3), contained in the category "All other infectious and parasitic diseases"; to "Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues"; and to a number of other causes. As a consequence, cause-of-death data for HIV infection beginning with 1987 are not strictly comparable with data for previous years.



## Alzheimer's disease deaths

Beginning with data year 1979, WHO introduced a separate category for Alzheimer's disease in the ICD-9 (331.0). Alzheimer's mortality is believed to be underreported. Research shows that a substantial number of death certificates for persons diagnosed with dementia do not mention the condition. Underreporting is believed to be due to failure to report a condition considered to contribute to death, judgment that this condition did not contribute to death, or failure to diagnose the condition (38).

## Codes for firearm deaths

Causes of death attributable to firearm mortality include ICD-9 No. E922, Accident caused by firearm missile; Nos. E955.0–E955.4, Suicide and self-inflicted injury by firearms; E965.0–E965.4 and E970, Assault by firearms and legal intervention; and E985.0–E985.4, Injury by firearms, undetermined whether accidentally or purposely inflicted. Deaths from injury by firearms exclude deaths due to explosives and other causes indirectly related to firearms.

## Injury mortality by mechanism and intent

For the first time in this report injury mortality data are presented using an alternative framework (12). In this framework, causes of injury deaths are organized principally by mechanism (for example, firearm or poisoning), and secondarily by manner, or "intent" of death (for example, unintentional, suicide, homicide, etc.) (12,14).

In addition, the number of deaths for selected causes in this framework (table 19) may differ from those shown in tables that use the standard mortality tabulation lists. Following the WHO conventions, standard mortality tabulations (table 10) present external causes of death (ICD-9 Nos. E800–E999). In contrast, the alternative framework (table 19) excludes deaths classified to Misadventures during medical care, abnormal reactions, and late complications (Nos. E870–E879) and to Drugs, medicaments, and biological substances causing adverse effects in therapeutic use (Nos. E930–E939).

## Codes for drug-induced deaths

Causes of death attributable to drug-induced mortality include ICD-9 No. 292, Drug psychoses; No. 304, Drug dependence; Nos. 305.2–305.9, Nondependent use of drugs not including alcohol and tobacco; Nos. E850–E858, Accidental poisoning by drugs, medicaments, and biologicals; Nos. E950.0–E950.5, Suicide by drugs, medicaments, and biologicals; No. E962.0, Assault from poisoning by drugs and medicaments; and Nos. E980.0–E980.5, Poisoning by drugs, medicaments, and biologicals, undetermined whether accidentally or purposely inflicted. Drug-induced causes exclude accidents, homicides, and other causes indirectly related to drug use. Also excluded are newborn deaths associated with mother's drug use.

## Codes for alcohol-induced deaths

Causes of death attributable to alcohol-induced mortality include ICD-9 No. 291, Alcoholic psychoses; No. 303, Alcohol dependence syndrome; No. 305.0, Nondependent abuse of alcohol; No. 357.5, Alcoholic polyneuropathy; No. 425.5, Alcoholic cardiomyopathy; No. 535.3, Alcoholic gastritis; Nos. 571.0–571.3, Chronic liver disease and cirrhosis, specified as alcoholic; No. 790.3, Excessive blood level of

alcohol; and No. E860, Accidental poisoning by alcohol, not elsewhere classified. Alcohol-induced causes exclude accidents, homicides, and other causes indirectly related to alcohol use. This category also excludes newborn deaths associated with maternal alcohol use.

## Quality of reporting and processing cause of death

One index of the quality of reporting causes of death is the proportion of death certificates coded to ICD-9; Chapter XVI; Symptoms, signs, and ill-defined conditions (ICD-9 Nos. 780–799). Although deaths occur for which the underlying causes are impossible to determine, this proportion indicates the care and consideration given to the certification by the medical certifier. This proportion also may be used as a rough measure of the specificity of the medical diagnoses made by the certifier in various areas. In 1997, 1.11 percent of all reported deaths in the United States were assigned to Symptoms, signs, and ill-defined conditions compared with 1.13 percent in 1996. The percent of deaths from this cause for all ages combined generally has remained stable since 1990.

*California death confirmations*—Selected causes of death considered to be of public health concern are routinely confirmed by the States according to agreed upon procedures between the State vital statistics programs and the National Center for Health Statistics (29,39,40). For 1997 the State of California did not confirm deaths from the following causes (number of deaths shown in parentheses after cause): Giardiasis (1); Brucellosis (1); Leprosy (1); Whooping cough (1); Tetanus (1); Schistosomiasis (1); Other cestode infection (8); and Congenital rubella (1).

## Cause-of-death rankings

The cause-of-death rankings in figure 4 and tables B, 7, 8, and 9 are based on the List of 72 Selected Causes of Death, HIV infection (ICD-9 Nos. \*042–\*044) and Alzheimer's disease (ICD-9 No. 331.0). HIV infection and Alzheimer's disease were added to the list of rankable causes effective with data years 1987 and 1994, respectively. The cause-of-death ranking for infants in tables 28 and 29 are based on the List of 61 Selected Causes of Infant Death and HIV infection. HIV infection was added to the list of rankable causes of infant death beginning with the 1994 data year.

The group titles Major cardiovascular diseases and Symptoms, signs, and ill-defined conditions are not ranked from the List of 72 Selected Causes; Certain conditions originating in the perinatal period and Symptoms, signs, and ill-defined conditions are not ranked from the List of 61 Selected Causes of Infant Death. In addition, category titles that begin with the words "Other" and "All other" are not ranked to determine the leading causes of death. When one of the titles that represents a subtotal is ranked (for example, Tuberculosis), its component parts are not ranked (in this case, Tuberculosis of respiratory system and Other tuberculosis).

## Marital status

Age-specific and age-adjusted death rates by marital status are shown in table 22. Mortality data by marital status is generally of high quality. A study of death certificate data using the 1986 National Mortality Followback Survey showed a high level of consistency in reporting marital status (21). Age-adjusted death rates by marital status were computed based on the age-specific rates and the

standard population for ages 25 years and over. While age-specific death rates by marital status are shown for the age group 15–24 years, they are not included in the computation of the age-adjusted rate because of their high variability, particularly among the widowed population. Also, the age groups 75–84 and 85 years and over are combined due to high variability in death rates in the 85 year and over age group, particularly for the never married population.

### Educational attainment

Beginning with the 1989 data year, an item indicating decedent's educational attainment was added to the certificates of numerous States. Mortality data on educational attainment for 1997 are based on deaths to residents of the 46 States and the District of Columbia whose data were approximately 80 percent or more complete on a place-of-occurrence basis. Data for Kentucky were excluded using this criterion. Data for Georgia, Rhode Island, and South Dakota were excluded because the item was not on their certificates.

Age-specific and age-adjusted death rates by educational attainment are shown in [table 23](#). Age-adjusted death rates by educational attainment were computed based on the age-specific rates and the standard population for ages 25–64 years. Data for age groups 65 years and over are not shown because reporting quality is poorer at older than younger ages (41).

Rates by educational attainment are affected by differences in the measurement of education for the numerator and the denominator. The numerator is based on number of years of education completed as reported on the death certificate whereas the denominator is based on highest degree completed as reported on census surveys (42).

### Injury at work

Information on deaths attributed to injury at work is derived from a separate item on the death certificate that asks the medical certifier whether the death resulted from an injury sustained at work. The item is on the death certificate of all States. Number of deaths, age-specific rates, and age-adjusted rates for injury at work are shown in [tables 24](#) and [25](#). Deaths and age-specific death rates for injury at work are shown for ages 15 years and over. Age-adjusted death rates for injury at work were computed using age-specific death rates and the standard population for ages 15 years and over.

### Life tables

The life table provides a comprehensive measure of the effect of mortality on life expectancy. It is composed of sets of values showing the mortality experience of a hypothetical group of infants born at the same time and subject throughout their lifetime to the age-specific mortality rates of a particular time period, usually a given year. Beginning with this report, the life table methodology has been changed from previous annual reports. Previously, U.S. life tables were abridged and constructed by reference to a standard table (43). In addition, the age range for these life tables was limited to 5-year age groups ending with the age group 85 years and over.

Beginning with 1997 mortality data, a revised life table methodology is used to construct complete life tables by single years of age that extend to age 100 (44) using a methodology similar to that of the decennial life tables (3). The advantages of the new methodology over the previous methodology are its comparability with the decennial life

table methodology, greater accuracy, and greater age detail. A comparison of the two methods shows small differences in resulting values for life expectancy (44). Although the new method produces complete life tables, that is, life tables by single years of age, life table data shown in this report are summarized in 5-year age groupings. The life table by single-year groupings will be available on the NCHS Web site.

An abridgement of the complete life table (44) is shown in [table 4](#). To calculate the probability of dying at each age, the revised methodology uses vital statistics death rates for ages under 85 years and mortality data from the Medicare program for ages over 85 years. Medicare data were used to model the probability of dying at ages 85 and above since the data are shown to be significantly more reliable than vital statistics data at the oldest ages (45).

### Causes of death contributing to changes in life expectancy

Causes of death contributing to changes in life expectancy were estimated using a life table partitioning technique. The method partitions changes into component additive parts. This method identifies the causes of death having the greatest influence, positive or negative, on changes in life expectancy (6,7).

### Population bases for computing rates

The population used for computing death rates in this report (furnished by the U.S. Bureau of the Census) represents the population residing in the specified area. Death rates for the United States for 1997, shown in [table I](#), are based on population estimates as of July 1, 1997 (46). The estimates are based on the 1990 census level counts. The 1990 census level counts by race were modified to be consistent with U.S. Office of Management and Budget categories and historical categories for death data (47). The population estimates for Mexicans, Puerto Ricans, Cubans, and Other Hispanics, shown in [table II](#), and the population estimates by marital status, shown in [table III](#), are based on the Current Population Survey adjusted to resident population control totals (48) for the United States and, as such, are subject to sampling variation (see "[Random variation](#)").

Population estimates by educational attainment, shown in [table IV](#), are also based on the Current Population Survey (48) adjusted to resident population control totals for 46 States and the District of Columbia and are also subject to sampling variation (see "[Random variation](#)").

Population estimates for each State, Puerto Rico, Virgin Islands, Guam, and American Samoa, shown in [table V](#), are based on demographic analysis and, therefore, are not subject to sampling variation (49–53).

### Computation of rates

Rates in this report are on an annual basis and, except for infant and maternal mortality rates, are per 100,000 estimated population in a specified group or area. Comparisons made in the text among rates, unless otherwise specified, are 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.

Infant mortality rates are the most commonly used index for measuring the risk of dying during the first year of life. They are



**Table III. Estimated population for ages 15 years and over by marital status, 10-year age groups, race, and sex: United States, 1997**

Race, sex, and marital status	15 years and over	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over
All races <sup>1</sup>	209,708,371	36,579,722	39,609,517	43,997,937	33,632,626	21,812,984	18,498,527	15,577,058
Never married	57,503,378	32,037,107	13,683,214	6,549,383	2,654,233	1,120,092	782,318	677,031
Ever married	152,204,993	4,542,615	25,926,303	37,448,554	30,978,393	20,692,892	17,716,209	14,900,027
Married	117,869,162	4,134,499	23,003,739	31,289,501	24,801,491	15,997,232	12,056,468	6,586,232
Widowed	14,847,921	25,530	111,243	355,830	825,803	1,826,674	4,116,246	7,586,595
Divorced	19,487,910	382,586	2,811,321	5,803,223	5,351,099	2,868,986	1,543,495	727,200
All races, <sup>1</sup> male	101,355,931	18,805,844	19,810,375	21,882,822	16,456,762	10,390,595	8,268,816	5,740,717
Never married	31,613,486	17,147,690	7,972,074	3,905,469	1,435,196	587,332	352,840	212,885
Ever married	69,742,445	1,658,154	11,838,301	17,977,353	15,021,566	9,803,263	7,915,976	5,527,832
Married	58,652,169	1,499,739	10,552,451	15,326,210	12,553,608	8,315,116	6,539,404	3,865,641
Widowed	2,766,705	4,531	30,976	70,658	156,132	311,978	759,431	1,432,999
Divorced	8,323,571	153,884	1,254,874	2,580,485	2,311,826	1,176,169	617,141	229,192
All races, <sup>1</sup> female	108,352,440	17,773,878	19,799,142	22,115,115	17,175,864	11,422,389	10,229,711	9,836,341
Never married	25,889,892	14,889,417	5,711,140	2,643,914	1,219,037	532,760	429,478	464,146
Ever married	82,462,548	2,884,461	14,088,002	19,471,201	15,956,827	10,889,629	9,800,233	9,372,195
Married	59,216,993	2,634,760	12,451,288	15,963,291	12,247,883	7,682,116	5,517,064	2,720,591
Widowed	12,081,216	20,999	80,267	285,172	669,671	1,514,696	3,356,815	6,153,596
Divorced	11,164,339	228,702	1,556,447	3,222,738	3,039,273	1,692,817	926,354	498,008
White	175,496,515	29,120,839	32,065,879	36,515,603	28,613,588	18,774,855	16,310,090	14,095,661
Never married	43,653,112	25,151,185	9,879,263	4,565,281	2,007,648	819,365	644,753	585,617
Ever married	131,843,403	3,969,654	22,186,616	31,950,322	26,605,940	17,955,490	15,665,337	13,510,044
Married	102,912,100	3,619,563	19,752,632	26,853,549	21,551,022	14,137,534	10,925,348	6,072,452
Widowed	12,643,012	16,605	91,630	274,254	612,246	1,408,628	3,429,588	6,810,061
Divorced	16,288,291	333,486	2,342,354	4,822,519	4,442,672	2,409,328	1,310,401	627,531
White male	85,376,862	15,057,095	16,209,091	18,354,893	14,157,950	9,047,168	7,349,455	5,201,210
Never married	24,560,083	13,607,339	5,988,785	2,898,242	1,141,231	444,086	291,505	188,895
Ever married	60,816,779	1,449,756	10,220,306	15,456,651	13,016,719	8,603,082	7,057,950	5,012,315
Married	51,479,054	1,317,781	9,162,910	13,212,768	10,931,829	7,364,765	5,921,815	3,567,186
Widowed	2,317,650	4,041	24,031	59,802	127,249	230,721	623,268	1,248,538
Divorced	7,020,075	127,934	1,033,365	2,184,081	1,957,641	1,007,596	512,867	196,591
White female	90,119,653	14,063,744	15,856,788	18,160,710	14,455,638	9,727,687	8,960,635	8,894,451
Never married	19,093,029	11,543,846	3,890,478	1,667,039	866,417	375,279	353,248	396,722
Ever married	71,026,624	2,519,898	11,966,310	16,493,671	13,589,221	9,352,408	8,607,387	8,497,729
Married	51,433,046	2,301,782	10,589,722	13,640,781	10,619,193	6,772,769	5,003,533	2,505,266
Widowed	10,325,362	12,564	67,599	214,452	484,997	1,177,907	2,806,320	5,561,523
Divorced	9,268,216	205,552	1,308,989	2,638,438	2,485,031	1,401,732	797,534	430,940
Black	24,971,556	5,560,624	5,377,390	5,439,968	3,577,369	2,212,576	1,647,821	1,155,808
Never married	10,795,750	5,161,189	2,903,666	1,726,036	547,108	263,086	114,319	80,346
Ever married	14,175,806	399,435	2,473,724	3,713,932	3,030,261	1,949,490	1,533,502	1,075,462
Married	9,769,325	355,381	2,089,293	2,852,187	2,107,470	1,214,579	795,561	354,854
Widowed	1,759,662	3,968	16,845	72,497	161,671	340,790	539,907	623,984
Divorced	2,646,819	40,086	367,586	789,248	761,120	394,121	198,034	96,624
Black male	11,564,910	2,790,104	2,550,631	2,548,177	1,621,611	959,715	690,022	404,650
Never married	5,356,911	2,622,940	1,433,766	863,974	247,030	122,877	47,222	19,102
Ever married	6,207,999	167,164	1,116,865	1,684,203	1,374,581	836,838	642,800	385,548
Married	4,788,619	146,954	932,303	1,363,998	1,071,546	628,906	440,982	203,930
Widowed	368,606	-	6,945	8,775	21,895	70,818	110,723	149,450
Divorced	1,050,774	20,210	177,617	311,430	281,140	137,114	91,095	32,168
Black female	13,406,646	2,770,520	2,826,759	2,891,791	1,955,758	1,252,861	957,799	751,158
Never married	5,438,839	2,538,249	1,469,900	862,062	300,078	140,209	67,097	61,244
Ever married	7,967,807	232,271	1,356,859	2,029,729	1,655,680	1,112,652	890,702	689,914
Married	4,980,706	208,427	1,156,990	1,488,189	1,035,924	585,673	354,579	150,924
Widowed	1,391,056	3,968	9,900	63,722	139,776	269,972	429,184	474,534
Divorced	1,596,045	19,876	189,969	477,818	479,980	257,007	106,939	64,456

- Quantity zero.

<sup>1</sup>Includes races other than white and black.

SOURCE: Population estimates based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census.

calculated by dividing the number of infant deaths in a calendar year by the number of live births registered for the same period and are presented as rates per 1,000 or per 100,000 live births. Infant mortality rates use the number of live births in the denominator to approximate the population at risk of dying before the first birthday.

In contrast to infant mortality rates based on live births, infant death rates are based on the estimated population under 1 year of age. Infant

death rates that appear in tabulations of age-specific death rates are calculated by dividing the number of infant deaths in a calendar year by the midyear population of infants under 1 year of age (estimated from births occurring in the 12-month period ending with June) and are presented as rates per 100,000 population in this age group. Because of differences in the denominators, infant death rates may differ from infant mortality rates.

**Table IV. Estimated population for ages 25–64 years, by educational attainment and sex: Total of 46 reporting States and the District of Columbia, 1997**

Years of school completed and sex	25–64 years	25–34 years	35–44 years	45–54 years	55–64 years
Both sexes . . . . .	132,249,109	37,701,612	41,779,666	31,922,671	20,845,160
Under 12 years . . . . .	18,220,698	4,720,514	4,928,434	4,092,610	4,479,140
12 years . . . . .	44,297,838	11,920,877	14,335,191	10,322,159	7,719,611
13 or more years . . . . .	69,730,573	21,060,221	22,516,041	17,507,902	8,646,409
Male . . . . .	65,212,468	18,870,171	20,774,247	15,629,361	9,938,689
Under 12 years . . . . .	9,418,104	2,595,724	2,676,917	2,054,698	2,090,765
12 years . . . . .	21,272,577	6,217,245	7,193,758	4,491,579	3,369,995
13 or more years . . . . .	34,521,787	10,057,202	10,903,572	9,083,084	4,477,929
Female . . . . .	67,036,641	18,831,441	21,005,419	16,293,310	10,906,471
Under 12 years . . . . .	8,802,594	2,124,790	2,251,517	2,037,912	2,388,375
12 years . . . . .	23,025,261	5,703,632	7,141,433	5,830,580	4,349,616
13 or more years . . . . .	35,208,786	11,003,019	11,612,469	8,424,818	4,168,480

SOURCE: Population estimates based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census.

**Table V. Estimated population for the United States, each division, each State, Puerto Rico, Virgin Islands, Guam, and American Samoa, 1997**

Area	Total	Area	Total
United States . . . . .	267,636,061	East South Central . . . . .	16,325,977
New England . . . . .	13,378,545	Kentucky . . . . .	3,908,124
Maine . . . . .	1,242,051	Tennessee . . . . .	5,368,198
New Hampshire . . . . .	1,172,709	Alabama . . . . .	4,319,154
Vermont . . . . .	588,978	Mississippi . . . . .	2,730,501
Massachusetts . . . . .	6,117,520	West South Central . . . . .	29,631,016
Rhode Island . . . . .	987,429	Arkansas . . . . .	2,522,819
Connecticut . . . . .	3,269,858	Louisiana . . . . .	4,351,769
Middle Atlantic . . . . .	38,209,736	Oklahoma . . . . .	3,317,091
New York . . . . .	18,137,226	Texas . . . . .	19,439,337
New Jersey . . . . .	8,052,849	Mountain . . . . .	16,482,103
Pennsylvania . . . . .	12,019,661	Montana . . . . .	878,810
East North Central . . . . .	43,889,857	Idaho . . . . .	1,210,232
Ohio . . . . .	11,186,331	Wyoming . . . . .	479,743
Indiana . . . . .	5,864,108	Colorado . . . . .	3,892,644
Illinois . . . . .	11,895,849	New Mexico . . . . .	1,729,751
Michigan . . . . .	9,773,892	Arizona . . . . .	4,554,966
Wisconsin . . . . .	5,169,677	Utah . . . . .	2,059,148
West North Central . . . . .	18,570,596	Nevada . . . . .	1,676,809
Minnesota . . . . .	4,685,549	Pacific . . . . .	42,918,063
Iowa . . . . .	2,852,423	Washington . . . . .	5,610,362
Missouri . . . . .	5,402,058	Oregon . . . . .	3,243,487
North Dakota . . . . .	640,883	California . . . . .	32,268,301
South Dakota . . . . .	737,973	Alaska . . . . .	609,311
Nebraska . . . . .	1,656,870	Hawaii . . . . .	1,186,602
Kansas . . . . .	2,594,840	Puerto Rico . . . . .	3,827,038
South Atlantic . . . . .	48,230,168	Virgin Islands . . . . .	114,483
Delaware . . . . .	731,581	Guam . . . . .	145,780
Maryland . . . . .	5,094,289	American Samoa . . . . .	60,383
District of Columbia . . . . .	528,964		
Virginia . . . . .	6,733,996		
West Virginia . . . . .	1,815,787		
North Carolina . . . . .	7,425,183		
South Carolina . . . . .	3,760,181		
Georgia . . . . .	7,486,242		
Florida . . . . .	14,653,945		

SOURCE: U.S. Bureau of the Census. Estimates of the population of States by age and sex: 1990 to 1997. PPL-109. Product Announcement CB98-122. Washington. Released July 21, 1998; Unpublished census files PRICO.WK4, USVI.WK4, GUAM.WK4, and ASAMOA.WK4.

Maternal mortality rates are computed on the basis of the number of live births. The maternal mortality rate indicates the likelihood of a pregnant woman dying of maternal causes. They are calculated by dividing the number of maternal deaths in a calendar year by the number

of live births registered for the same period and are presented as rates per 100,000 live births. The number of live births used in the denominator is an approximation of the population of pregnant women who are at risk of a maternal death.

Age-adjusted death rates are used to compare relative mortality risk across groups and over time. However, they should be viewed as a construct or an index 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 (54). The age-adjusted rates presented in this report excluding those by marital status and education were computed by the direct method, that is, by applying the age-specific death rates for a given cause of death to the U.S. standard population (relative age distribution of the 1940 enumerated population of the United States), which is shown in [table VI](#) along with the corresponding weights used for computing the relative standard error (RSE).

Age-adjusted rates by marital status were computed by applying the age-specific death rates to the U.S. standard population for ages 25 years and over. Although age-specific death rates by marital status are shown for the age group 15–24 years, they are not included in the calculation of age-adjusted rate because of their high variability, particularly among the widowed population. Also, the age groups 75–84 and 85 years and over are combined because of high variability in death rates in the 85 years and over age group, particularly for the never married population. The standard population and corresponding weights used for computing age-adjusted rates and relative standard errors by marital status are shown in [table VII](#).

Age-adjusted rates by educational attainment were computed by applying the age-specific death rates to the U.S. standard population for ages 25–64 years. Data for age groups 65 years and over are not shown because reporting quality is poorer for older than for younger ages (41). The standard population and corresponding weights used for computing age-adjusted rates and relative standard errors by education are shown in [table VIII](#).

**Table VI. United States standard population: Numbers and proportions (weights)**

Age	Number	Weight ( $w_i$ )
All ages . . . . .	1,000,000	1.000000
Under 1 year . . . . .	15,343	0.015343
1–4 years . . . . .	64,718	0.064718
5–14 years . . . . .	170,355	0.170355
15–24 years . . . . .	181,677	0.181677
25–34 years . . . . .	162,066	0.162066
35–44 years . . . . .	139,237	0.139237
45–54 years . . . . .	117,811	0.117811
55–64 years . . . . .	80,294	0.080294
65–74 years . . . . .	48,426	0.048426
75–84 years . . . . .	17,303	0.017303
85 years and over . . . . .	2,770	0.002770

**Table VII. United States standard population for ages 25 years and over: Numbers and proportions (weights)**

Age	Number	Weight ( $w_i$ )
25 years and over . . . . .	567,907	1.000000
25–34 years . . . . .	162,066	0.285374
35–44 years . . . . .	139,237	0.245176
45–54 years . . . . .	117,811	0.207448
55–64 years . . . . .	80,294	0.141386
65–74 years . . . . .	48,426	0.085271
75 years and over . . . . .	20,073	0.035346

**Table VIII. United States standard population for ages 25–64 years: Numbers and proportions (weights)**

Age	Number	Weight ( $w_i$ )
25–64 years . . . . .	499,408	1.000000
25–34 years . . . . .	162,066	0.324516
35–44 years . . . . .	139,237	0.278804
45–54 years . . . . .	117,811	0.235901
55–64 years . . . . .	80,294	0.160778

Age-adjusted rates for injury at work were computed by applying the age-specific death rates to the U.S. standard population for ages 15 years and over. The standard population and corresponding weights used for computing age-adjusted rates and relative standard errors for injury at work are shown in [table IX](#).

Age-adjusted rates for Puerto Rico, Virgin Islands, Guam, and American Samoa were computed by applying the age-specific death rates to the U.S. standard population. Age groups for 75 years and over were combined because population counts were unavailable by age group for ages over 75 years. The standard population and corresponding weights used for computing age-adjusted rates and relative standard errors for the territories are shown in [table X](#).

Using the same standard population, death rates for the total population and for each race-sex group were adjusted separately. The age-adjusted rates were based on 10-year age groups. It is important not to compare age-adjusted death rates with crude rates.

**Random variation**

The mortality data in this report, with the exception of data for 1972, are not subject to sampling error. In 1972 mortality data were

**Table IX. United States standard population for ages 15 years and over: Numbers and proportions (weights)**

Age	Number	Weight ( $w_i$ )
15 years and over . . . . .	749,584	1.000000
15–24 years . . . . .	181,677	0.242370
25–34 years . . . . .	162,066	0.216208
35–44 years . . . . .	139,237	0.185752
45–54 years . . . . .	117,811	0.157169
55–64 years . . . . .	80,294	0.107118
65 years and over . . . . .	68,499	0.091383

**Table X. United States standard population: Numbers and proportions (weights)**

Age	Number	Weight ( $w_i$ )
All ages . . . . .	1,000,000	1.000000
Under 1 year . . . . .	15,343	0.015343
1–4 years . . . . .	64,718	0.064718
5–14 years . . . . .	170,355	0.170355
15–24 years . . . . .	181,677	0.181677
25–34 years . . . . .	162,066	0.162066
35–44 years . . . . .	139,237	0.139237
45–54 years . . . . .	117,811	0.117811
55–64 years . . . . .	80,294	0.080294
65–74 years . . . . .	48,426	0.048426
75 years and over . . . . .	20,073	0.020073

based on a 50-percent sample of deaths because of resource constraints. Mortality data, even based on complete counts, may be affected by random variation. When the number of events is small (perhaps less than 100) 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 the relative standard error (RSE) is a measure of the variability. For computing RSE's in percent, this formula may be used for all tables except for the death rates shown in tables 3, 22, and 23 (see subsection below):

$$1. \quad RSE(D) = RSE(R) = 100 \sqrt{\frac{1}{D}}$$

where

$D$  = number of deaths

$R$  = rate

Beginning with 1989 data an asterisk is shown in place of a rate based on fewer than 20 deaths, which is the equivalent of an  $RSE(R)$  of 23 percent or more. A  $RSE(R)$  of 23 percent is considered statistically unreliable. For age-adjusted death rates, this criterion was based on the sum of the age-specific deaths. This same procedure is used in this report except for the death rates shown in tables 3, 22, and 23 (see subsection below). For tables showing the number of deaths ( $D$ ) (where  $D$  is 100 or more) the chances are 95 in 100 that

$$2. \quad D - 1.96 \cdot D \cdot \frac{RSE(D)}{100} \text{ and } D + 1.96 \cdot D \cdot \frac{RSE(D)}{100}$$

cover the "true" number of deaths. This is referred to as a 95-percent confidence interval. For computing 95-percent confidence intervals when  $D$  is less than 100 deaths, see the NCHS Website at [www.cdc.gov/nchswww/about/major/dvs/mortdata.htm](http://www.cdc.gov/nchswww/about/major/dvs/mortdata.htm) and refer to "Technical Appendix from *Vital Statistics of United States: Mortality, 1995*."

For tables showing a crude death rate ( $R$ ) or an age-specific death rate (based on 100 or more deaths) for the  $i$ th age group ( $R_i$ ), except the rates in tables 3, 22, and 23, the 95-percent confidence interval

$$3. \quad R - 1.96 \cdot R \cdot \frac{RSE(R)}{100} \text{ and } R + 1.96 \cdot R \cdot \frac{RSE(R)}{100}$$

will include the "true" rate. For computing 95-percent confidence intervals for  $R$  when  $D$  is less than 100 deaths, see the Web site mentioned above.

For testing the difference between two rates ( $R_1$  and  $R_2$ , each based on 100 or more deaths), the following z-test may be used to define a significance test statistic:

$$4. \quad z = \frac{R_1 - R_2}{\sqrt{R_1^2 \left(\frac{RSE(R_1)}{100}\right)^2 + R_2^2 \left(\frac{RSE(R_2)}{100}\right)^2}}$$

If  $|z| \geq 1.96$ , then the difference is statistically significant at the 0.05 level and if  $z < 1.96$ , the difference is not significant. For computing statistical tests when  $R_1$  and/or  $R_2$  are based on less than 100 deaths, see the Web site mentioned above.

For tables showing an age-adjusted death rate ( $R'$ ), except the rates in tables 3, 22, and 23, the RSE's in formulas 3 and 4 above would be substituted by this formula:

$$5. \quad RSE(R') = 100 \frac{\sqrt{\sum \left\{ w_i^2 R_i^2 \left( \frac{1}{D_i} \right) \right\}}}{R'}$$

where

$R_i$  = age-specific rate for the  $i$ th age group

$w_i$  =  $i$ th age-specific U.S. standard population such that

$\sum(w_i) = 1.000000$  (see table VI and age-adjusted death rate under "Definition of terms")

$D_i$  = number of deaths for the  $i$ th age group

For tables showing an infant mortality rate (based on live births in the denominator), IMR, the RSE's in formulas 3 and 4 would be substituted by the following formula:

$$6. \quad RSE(IMR) = 100 \sqrt{\frac{1}{D} + \frac{1}{B}}$$

where

$B$  = number of live births

For tables showing a maternal mortality rate (based on live births in the denominator), the RSE's in formulas 3 and 4 would be substituted with formula 6.

Tables 3, 22, and 23—Rates for Mexicans, Puerto Ricans, Cubans, and Other Hispanics in table 3, rates by marital status in table 22, and rates by educational attainment in table 23 are based on population estimates derived from the U.S. Bureau of the Census' Current Population Survey and adjusted to resident population control totals. As a result, the rates are subject to the variability of the denominator as well as the numerator. For tables 3, 22, and 23 the following RSE formulas were used to determine a RSE of 23 percent or more for the purpose of showing the rate or an asterisk.

For crude,  $R$ , and age-specific death rates,  $R_i$ ,

$$7. \quad RSE(R) = 100 \sqrt{\frac{1}{D} + 0.67 \left( a + \frac{b}{P} \right)}$$

and for age-adjusted death rates,  $R'$ ,

$$8. \quad RSE(R') = 100 \frac{\sqrt{\sum \left[ w_i^2 R_i^2 \left\{ \left( \frac{1}{D_i} \right) + 0.67 \left( a + \frac{b}{P_i} \right) \right\} \right]}}{R'}$$

where

$D$  = number of deaths

$P$  = population estimate used for computing the rate (see table II for population estimates used for computing rates in table 3; see table III for population estimates used for computing rates in table 22; and see table IV for population estimates used for computing rates in table 23)

$D_i$  = number of deaths for the  $i$ th age group

$P_i$  = population estimate used for computing for the  $i$ th age-specific death rate (see table II for population estimates used for computing rates in table 3; see table III for

population estimates used for computing rates in [table 22](#); and see [table IV](#) for population estimates used for computing rates in [table 23](#))

$w_i$  = age-specific U.S. standard population such that  $\sum(w_i) = 1.000000$  (see [table VI](#) for weights ( $w_i$ ) used for computing age-adjusted rates in [table 3](#); see [table VII](#) for weights used for computing age-adjusted rates in [table 22](#); and see [table VIII](#) for weights used for computing age-adjusted rates in [table 23](#))

$w_i^2$  = the square of the age-specific U.S. standard population

In [table 3](#), for all origins, total Hispanic, total non-Hispanic, non-Hispanic white, and non-Hispanic black populations,

$$a = 0.000000 \text{ and } b = 0$$

and for Mexican, Puerto Rican, Cuban, and Other Hispanic populations,

$$a = -0.000254 \text{ and } b = 7,486$$

In [table 22](#), for all marital status groups combined for all races, white, and black populations,

$$a = 0.000000 \text{ and } b = 0,$$

for each marital status group for all races and the white population,

$$a = -0.000019 \text{ and } b = 5,211,$$

and for each marital status group for the black population,

$$a = -0.000219 \text{ and } b = 7,486$$

In [table 23](#), for all education groups combined,

$$a = 0.000000 \text{ and } b = 0$$

and for each education group,

$$a = -0.000013 \text{ and } b = 2,563$$

The  $a$  and  $b$  parameters are averages of the 1996 and 1997 CPS standard error parameters (55,56).

To compute 95-percent confidence intervals and z-tests for the death rates (based on 100 or more deaths) shown in [tables 3, 22, and 23](#), the RSE formulas 7 and 8 may be substituted, as appropriate, for the RSE's used in formulas 3 and 4.

### Availability of mortality data

Mortality data are available in publications, unpublished tables, and electronic products as described on the mortality Web site at the following address: [www.cdc.gov/nchswww/about/major/dvs/mortdata.htm](http://www.cdc.gov/nchswww/about/major/dvs/mortdata.htm). The data are available on data tapes from the National Technical Information Service (NTIS) and on CD-ROM from NTIS and the Government Printing Office (GPO). Data are also available in the *Vital Statistics of the United States*, Mortality, and *Vital and Health Statistics*, Series 20 reports, and the *National Vital Statistics Reports* through NCHS.

### Definitions of terms

*Infant deaths*—Deaths of infants aged under 1 year.

*Neonatal deaths*—Deaths of infants aged 0–27 days.

*Postneonatal deaths*—Deaths of infants aged 28 days–1 year.

*Crude death rate*—Total deaths per 100,000 population for a specified period. The crude death rate represents the average chance of dying during a specified period for persons in the entire population.

*Age-specific death rate*—Deaths per 100,000 population in a specified age group, such as 1–4 years or 5–9 years for a specified period.

*Age-adjusted death rate*—The death rate used to make comparisons of relative mortality risks across groups and over time. This rate should be viewed as a construct or an index rather than as direct or actual measure of mortality risk. Statistically, it is a weighted average of the age-specific death rates, where the weights represent the fixed population proportions by age (54).



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