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## Deaths: Final Data for 1996

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### Abstract

**Objectives**—This report presents 1996 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.

**Methods**—In 1996 a total of 2,314,690 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, Centers for Disease Control and Prevention. Changes between 1995 and 1996 in death rates and differences in death rates across demographic groups in 1996 are tested for statistical significance. Unless otherwise specified reported differences are statistically significant.

**Results**—The 1996 age-adjusted death rate for the United States decreased, reaching an all-time low of 491.6 deaths per 100,000 standard population, and life expectancy at birth increased by 0.3 years to 76.1 years, a record high. The 15 leading causes of death remained the same as in 1995, although there were changes in the ranking of some causes. Replacing homicide, septicemia became the 12th leading cause of death, and Alzheimer's disease moved from the 14th to the 13th leading cause. For the third consecutive year, the number of homicide deaths dropped, making it the 14th leading cause of death. Mortality declined for all age groups, including persons aged 85 and over. The largest decline in age-adjusted death rates among the leading causes of death was for Human immunodeficiency virus infection, which dropped 28.8 percent in 1996, compared with the previous year. The infant mortality rate declined by 4 percent to a record low of 7.3 infant deaths per 1,000 live births in 1996. Neonatal and postneonatal mortality rates declined for all races combined as well as for postneonatal

white infants. Although not statistically significant, mortality rates for white and black neonatal infants and black postneonatal infants also declined.

**Conclusions**—The overall improvements in general mortality and life expectancy in 1996 continue the long-term downward trend in U.S. mortality. The drop in U.S. infant mortality continues the steady declines of the past four decades.

### Highlights

In 1996 a record 2,314,690 deaths were registered in the United States, 2,558 more than the previous high of 2,312,132 deaths recorded in 1995. The **crude death rate** for 1996 was 872.5 deaths per 100,000 population, slightly lower than the 1995 rate of 880.0. The **age-adjusted death rate**, which eliminates the distorting effects of the aging of the population, was at a record low of 491.6 per 100,000 U.S. standard population, 2.4 percent lower than the previous low of 503.9 in 1995. The age-adjusted death rates declined between 1995 and 1996 for white and black males and females.

**Age-specific** death rates significantly decreased for all age groups. The largest declines were as follows: 10.3 percent for ages 25–34 years, 8.1 percent for ages 35–44 years, 6 percent for ages

### Acknowledgments

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15–24 years, and 5.7 percent for ages 1–4 years. Reductions in mortality due to **Malignant neoplasms (cancer)** and **Human immunodeficiency virus (HIV) infection** were major contributors to the mortality decline in children aged 1–4 years; while for children aged 5–14 years, the decline in **Homicide and legal intervention (homicide)** was the most influential in reducing the death rate. For those 15–24 years of age, the decline in **homicide**, followed by declines in **Suicide** and **HIV infection** had the largest impact 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)** and **cancer** had the greatest effect on the mortality decline of those aged 55 years and over.

In 1996 **life expectancy** at birth reached a record high of 76.1 years, an increase of 0.3 years compared with life expectancy in 1995. Based on mortality in 1996, females are expected to outlive males by an average of 6 years, and the white population is expected to outlive the black population by an average of 6.6 years. Record high life expectancies were reached for white and black males and black females, but not for white females. **White females** continue to have the highest life expectancy at birth (79.7 years), followed by **black females** (74.2 years), **white males** (73.9 years), and **black males** (66.1 years).

The ranking of the **15 leading causes** of death for the total population in 1996 changed as follows: **Homicide**, the 12th leading cause of death in 1995, became the 14th leading cause in 1996. This is the third consecutive year in which **homicide** has dropped in the cause-of-death ranking. **Septicemia**, the 13th leading cause of death in 1995, became the 12th leading cause in 1996; and **Alzheimer's disease**, the 14th leading cause in 1995, became the 13th leading cause in 1996. The 15 leading causes of death accounted for 85.2 percent of all deaths in 1996.

**Age-adjusted death rates** for 7 of the 15 leading causes of death decreased between 1995 and 1996. These included **HIV infection**, **homicide**, **suicide**, **heart disease**, **cancer**, **Cerebrovascular diseases (stroke)**, and **Atherosclerosis**. **HIV infection** dropped sharply by 28.8 percent, marking 1996 as the first year to show a decline in mortality due to this cause. **Homicide** also declined substantially, with a 9.6-percent reduction from 1995, the largest percentage decline since 1983. The decrease from 1995 to 1996 in mortality from homicide coincided with a 7.2-percent decrease in the age-adjusted death rate for **firearm injuries**. **Atherosclerosis** declined by 4.3 percent, **suicide** by 3.6 percent, **heart disease** by 2.7 percent, **cancer** by 1.5 percent, and **stroke** by 1.1 percent. Although not statistically significant, age-adjusted death rates for Chronic liver disease and cirrhosis (chronic liver disease), Pneumonia and influenza, and Accidents and adverse effects (accidents) also declined.

**Age-adjusted death rates increased** between 1995 and 1996 for two leading causes of death: **Chronic obstructive pulmonary diseases (COPD)** and **Diabetes mellitus (diabetes)**. **Diabetes** rose by 2.3 percent, while **COPD** rose by 1.0 percent. No changes occurred in the age-adjusted death rates for Nephritis, nephrotic syndrome, and nephrosis (kidney disease); septicemia; or Alzheimer's disease.

Mortality from **drug-induced causes** for the total population increased by 2 percent between 1995 and 1996, while the age-adjusted death rate for **alcohol-induced causes** decreased by 4.5 percent.

In terms of **sex differentials** in mortality, the age-adjusted death rate for all causes of death combined was 63.7 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 4.5 male deaths to 1 female death. This was followed closely by **HIV infection**, with a ratio of about 4.3. The smallest sex differential was for **Alzheimer's disease**, with a ratio of about 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. **HIV infection** was the leading cause of death for those aged 25–44 years in 1995, but by 1996 had dropped to the third leading cause of death for this age group. In 1996 **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 years 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 1996. Overall, age-adjusted death rates for the **black** population exceeded those of the **white** population by about 58 percent. Rates for the black population were higher for most of the leading causes of death. The largest race differential was for **homicide**, with an age-adjusted death rate for the black population that was 6.2 times that for the white population. The next highest race differential was for **HIV infection**, with a rate about 5.8 times higher for the black population, compared to 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** as well as for the specified Hispanic subgroups decreased from 1995 to 1996, although the changes were not statistically significant for the specified subgroups (table 3). Among **Hispanic males**, Mexicans had the lowest rate, while Puerto Ricans had the highest. Among **Hispanic females**, Central and South American and other and unknown Hispanics had the lowest rate, while Puerto Ricans had the highest.

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 (table 9). Accidents, HIV infection, and diabetes ranked higher among the Hispanic population, while stroke, COPD, and pneumonia and influenza ranked higher among the non-Hispanic population. Homicide and chronic liver disease were among the 10 leading causes among the Hispanic, but not the non-Hispanic population; whereas kidney disease and suicide were among the 10 leading causes of the non-Hispanic, but not the Hispanic population.

The **infant mortality rate** (7.3 infant deaths per 1,000 live births) reached a record low in 1996, continuing the long-term downward trend in infant mortality. Among the **10 leading causes of infant death**, reductions were seen in all causes of infant death except **accidents** and **pneumonia and influenza**. The only cause that showed a statistically significant decline, however, was **Sudden infant death syndrome**, with a decline of 10 percent. This cause contributed the most to the improvement in the 1996 infant mortality rate, accounting for about one-third of the overall decline from 1995 in infant mortality. The **infant mortality rate**, **neonatal mortality rate**, and the **postneonatal mortality rate**

declined for white and black infants, although the declines in black infant mortality, white and black neonatal mortality, and black postneonatal mortality were not statistically significant. In 1996 the infant mortality rate for black infants remained at more than twice that for white infants.

Age-adjusted death rates by marital status show that in 1996 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 79 percent higher than the **ever married** and 117 percent higher than the **currently married**. Age-adjusted death rates for those **widowed** and **divorced** were 86 percent and 78 percent higher than for those who were currently married at the time of death.

For the first time in this report, rates for educational attainment are shown for those aged 25–64 years. Higher educational attainment is associated with markedly lower risk of death. Those 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 almost 18 percent higher than persons with 12 years of education and 2.4 times higher than persons with 13 years or more.

**Mortality from injury at work** is also shown for the first time in this report. Based on age-adjusted death rates, males were 13 times more likely to die from an injury at work than females.

## Introduction

This report represents the release of final national mortality statistics for 1996 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).

Mortality data in this report can be used to monitor and evaluate the health, current mortality status, and the long-term mortality trends of the Nation, as well as to identify segments of the U.S. population at greatest risk for death from specific diseases and injuries. Differences in death rates between 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 contained in the previous year's report. [Table 9](#), which previously included only deaths and death rates for the 10 leading causes of death for those of Hispanic origin and the non-Hispanic white population, has been expanded to include data for the total non-Hispanic and the non-Hispanic black populations. In addition, this table is disaggregated by sex. [Table 22](#) presents death rates and age-adjusted death rates by educational attainment. This table was modified to show rates for ages 25–64 years by sex. [Table 23](#) presents the number of deaths, death rates, and age-adjusted death rates for ages 15 years and over by race and sex and by whether the death was due to an injury at work. Age-adjusted death rates for major causes of death for the United States, each division, each State, Puerto Rico, Virgin Islands, and Guam have been added to [table 24](#). Finally,

[table 29](#) provides the number of infant deaths and infant mortality rates for the 10 leading causes of death by Hispanic origin and race for the non-Hispanic population.

Preliminary 1996 data were presented in the report *Births and Deaths: United States, 1996* using an 84- to 93-percent sample of 1996 deaths weighted to independent control totals (2). The findings in this final report are generally consistent with those based on preliminary data.

## Methods

Data shown 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 (3). Tables showing data by State also provide information for Puerto Rico, the Virgin Islands, and Guam. Cause-of-death statistics presented in this report are classified in accordance with the *Ninth Revision, International Classification of Diseases (ICD-9)*. A discussion of cause-of-death classification is provided in the [Technical notes](#).

Mortality data on specific demographic and medical characteristics except educational attainment and Hispanic origin cover all 50 States and the District of Columbia. For educational attainment data are provided for 45 States and the District of Columbia. For Hispanic origin data reported exclude Oklahoma because the State did not include the Hispanic origin item on its death certificate for 1996. Details on reporting areas for educational attainment and Hispanic origin 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 mortality from 1995 to 1996 in death rates and differences in death rates across demographic groups in 1996 are tested for statistical significance. Decomposition procedures are used to identify causes of death accounting for changes in age-specific death rates, life expectancy, and infant mortality (4,5). 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 will be available on the NCHS web page and on the CD-ROM entitled, *Vital Statistics of the United States, Mortality, 1996*.

## Results and discussion

### Deaths and death rates

In 1996 a total of 2,314,690 deaths were registered in the United States, the largest number ever reported, and 2,558 more than in 1995. The crude death rate for 1996, 872.5 deaths per 100,000 population, was 0.9 percent lower than the 1995 rate of 880.0.

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 showing changes in the risk of death

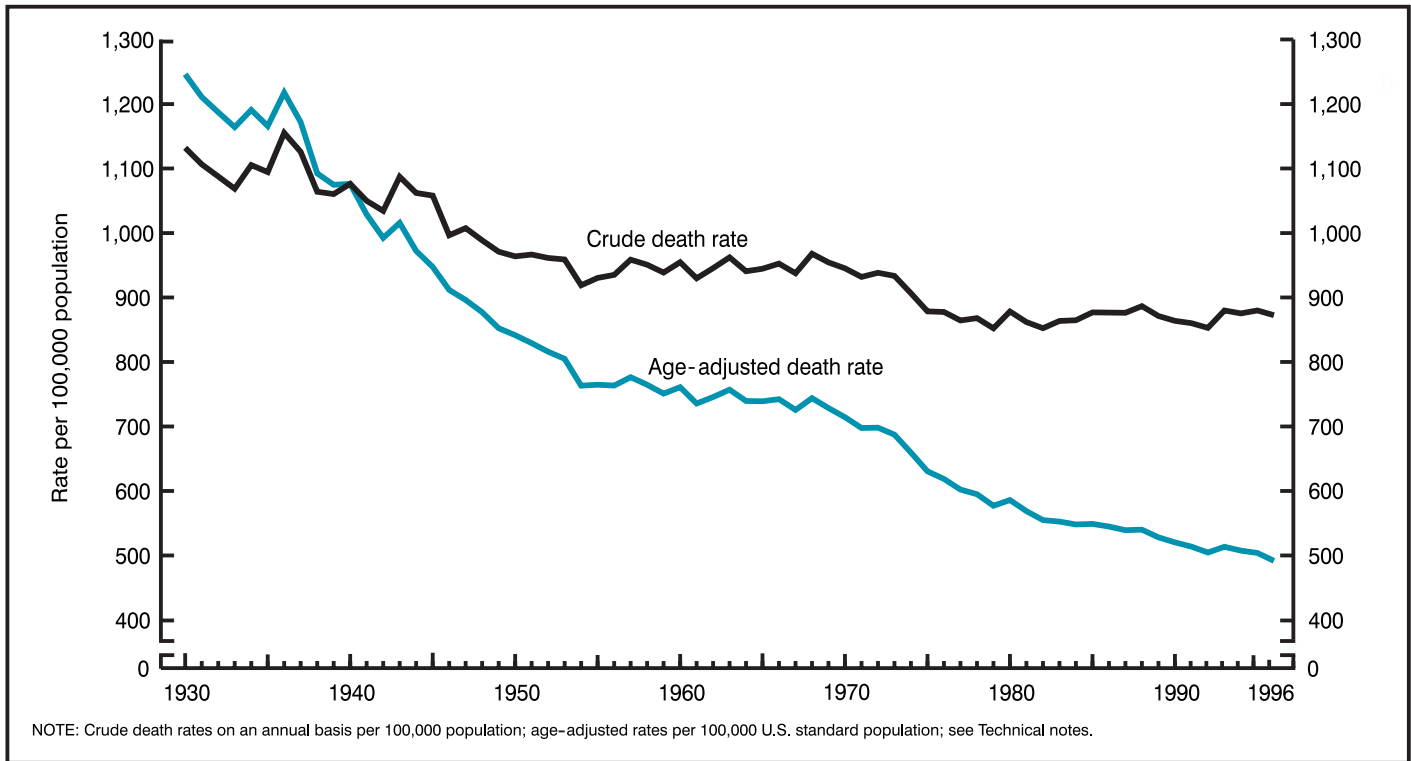


Figure 1. Crude and age-adjusted death rates: United States, 1930–96

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. The age-adjusted death rate in 1996 was a record low 491.6 deaths per 100,000 U.S. standard population, 2.4 percent lower than the rate of 503.9 in 1995. 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 (6–12). Between 1980 and 1996, the age-adjusted death rate declined 16 percent (figure 1 and table 1).

Between 1995 and 1996, age-adjusted death rates decreased for the four major race-sex groups, specifically by 3.1 percent for white males, 0.8 percent for white females, 4.9 percent for black males, and

Table A. Percent change in death rates and age-adjusted death rates between 1995 and 1996 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	-1.9	0.3	-0.5	-1.5	0.5	-2.6	-4.2	-0.7
Age-adjusted . . . . .	-2.4	-3.5	-1.1	-2.1	-3.1	-0.8	-3.6	-4.9	-1.8
Under 1 year <sup>2</sup> . . . . .	-1.7	-1.9	-1.5	-3.8	-4.8	-2.4	8.9	9.9	7.6
1–4 years . . . . .	-5.7	-5.8	-5.2	-6.3	-4.4	-8.7	-3.8	-7.9	1.3
5–14 years . . . . .	-3.6	-4.9	-2.2	-3.4	-5.3	-1.2	-3.9	-5.2	-2.3
15–24 years . . . . .	-6.0	-7.0	-4.0	-5.7	-6.9	-3.6	-6.1	-6.5	-5.0
25–34 years . . . . .	-10.3	-12.8	-4.1	-10.1	-12.9	-2.5	-11.5	-13.3	-7.7
35–44 years . . . . .	-8.1	-10.5	-3.1	-7.7	-9.8	-3.3	-9.5	-12.8	-3.4
45–54 years . . . . .	-3.1	-4.2	-1.3	-2.7	-3.6	-1.3	-4.6	-6.5	-1.4
55–64 years . . . . .	-1.8	-2.0	-1.7	-1.6	-1.9	-1.1	-2.3	-1.7	-2.9
65–74 years . . . . .	-1.0	-1.6	-0.4	-0.8	-1.3	-0.2	-2.6	-3.9	-1.3
75–84 years . . . . .	-0.8	-1.7	-0.3	-0.7	-1.6	-0.1	-1.3	-1.9	-1.1
85 years and over . . . . .	-0.9	-2.4	-0.3	-0.4	-1.6	0.0	-1.8	-4.3	-0.5

– Quantity zero.

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).

**Table B. Percent of total deaths, death rates, age-adjusted death rates for 1996, percent change in age-adjusted death rates from 1995 to 1996 and 1979 to 1996, and ratio of age-adjusted death rates by race and sex for the 15 leading causes of death for the total population in 1996: United States**[Crude 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				
				1996	Percent change		Ratio	
					1995 to 1996	1979 to 1996	Male to female	Black to white
...	All causes	100.0	872.5	491.6	-2.4	-14.8	1.6	1.6
1	Diseases of heart	31.7	276.4	134.5	-2.7	-32.6	1.8	1.5
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	23.3	203.4	127.9	-1.5	-2.2	1.4	1.3
3	Cerebrovascular diseases	6.9	60.3	26.4	-1.1	-36.5	1.2	1.8
4	Chronic obstructive pulmonary diseases and allied conditions	4.6	40.0	21.0	1.0	43.8	1.5	0.8
5	Accidents and adverse effects	4.1	35.8	30.4	-0.3	-29.1	2.4	1.2
...	Motor vehicle accidents	1.9	16.5	16.2	-0.6	-30.2	2.2	1.0
...	All other accidents and adverse effects	2.2	19.3	14.2	-	-27.6	2.7	1.5
6	Pneumonia and influenza	3.6	31.6	12.8	-0.8	14.3	1.6	1.5
7	Diabetes mellitus	2.7	23.3	13.6	2.3	38.8	1.2	2.4
8	Human immunodeficiency virus infection	1.3	11.7	11.1	-28.8	-	4.3	5.8
9	Suicide	1.3	11.6	10.8	-3.6	-7.7	4.5	0.6
10	Chronic liver disease and cirrhosis	1.1	9.4	7.5	-1.3	-37.5	2.4	1.3
11	Nephritis, nephrotic syndrome, and nephrosis	1.0	9.2	4.3	-	-	1.5	2.6
12	Septicemia	0.9	8.1	4.1	-	78.3	1.3	2.8
13	Alzheimer's disease	0.9	8.1	2.7	-	1,250.0	0.9	0.7
14	Homicide and legal intervention	0.9	7.9	8.5	-9.6	-16.7	3.7	6.2
15	Atherosclerosis	0.7	6.3	2.2	-4.3	-61.4	1.3	1.1
...	All other causes	14.8	129.5	...	...	...	...	...

- Quantity zero.

... Category not applicable.

- - - Data not available.

<sup>1</sup>Rank based on number of deaths; see [Technical notes](#).

1.8 percent for black females ([tables A and 1](#)). Age-adjusted death rates decreased almost every year between 1980 and 1996 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. The 1996 age-adjusted death rates of 591.4 for white males and 361.9 for white females were record lows. 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. Except for 1993, age-adjusted death rates for black males and females have followed a general downward trend since 1988. The 1996 age-adjusted death rates of 967.0 for black males and 561.0 for black females were record lows.

In 1996 the age-adjusted death rate for males of all races was 1.6 times that for females, decreasing from the ratio of 1.7 from the previous year ([table B](#)). The ratio between male and female age-adjusted death rates was 1.6 for the white population and 1.7 for the black population. In 1940 the male-to-female ratio was 1.3. This ratio increased until the late 1970's when it reached 1.8. Since 1979 it has steadily declined, indicating that the gap between male and female mortality is narrowing ([table 1](#)).

In 1996 the age-adjusted death rate for the black population was 1.6 times that for the white population, unchanged since 1987. For 1960-86 the race ratio was 1.5.

*Death rates by age, sex, and race*—Between 1995 and 1996, death rates for the total population significantly declined for all age groups ([table A](#) and [figure 2](#)). The largest decreases occurred for the following age groups: 25-34 (10.3 percent), 35-44 (8.1 percent), 15-24 (6 percent), and 1-4 years (5.7 percent).

The death rate for males declined significantly between 1995 and 1996 in all age groups except under 1 year ([table A](#)). The largest decreases for males were for those aged 25-34 (12.8 percent), 35-44 (10.5 percent), 15-24 (7 percent), and 1-4 years (5.8 percent). Between 1995 and 1996, the death rate for females declined significantly in these age groups: 1-4, 15-24, 25-34, 35-44, 45-54, and 55-64 years, with the largest decreases for those aged 1-4 (5.2 percent), 25-34 (4.1 percent), and 15-24 years (4.0 percent). Changes in the female death rate were not statistically significant for other age groups.

Three of the four major race-sex groups showed similar patterns of change in age-specific death rates between 1995 and 1996. White and black males and black females experienced the largest reductions in death rates in the 25-34-year age group. The drop in death rates for this age group was more pronounced among males, who had declines of 12.9 percent for white males and 13.3 percent for black males, in contrast to the 7.7-percent decline experienced by black females. For white females the largest drop in age-specific death rates was for the 1-4-year-old age group, with a decrease of 8.7 percent. For infants the

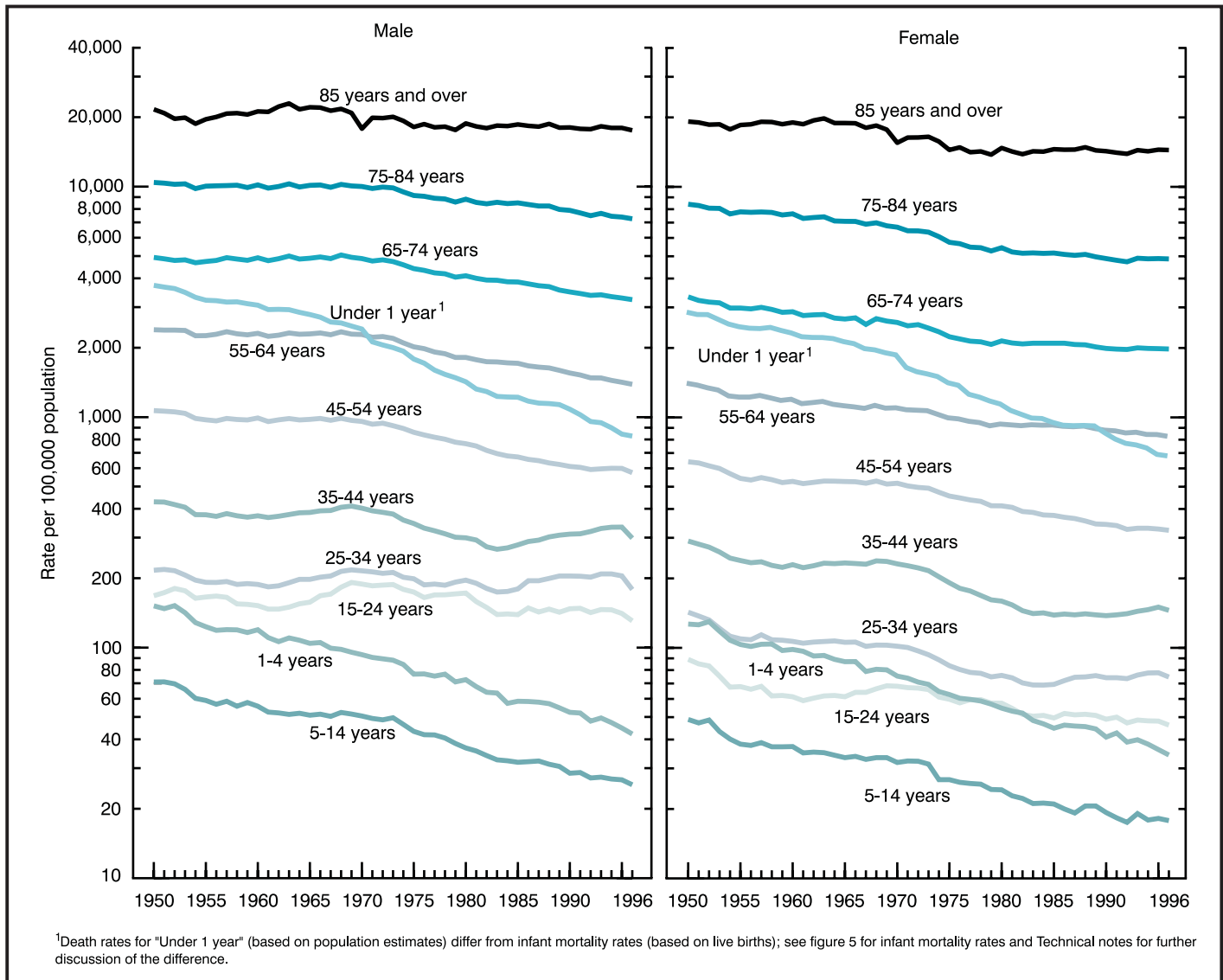


Figure 2. Death rates by age and sex: United States, 1950-96

increase in the death rate was nearly 10 percent for black males and nearly 8 percent for black females. The percentage decline for white male infants was 4.8 percent. The decline of 2.4 percent for white female infants was not statistically significant. Death rates for males over the age of 85 also declined by 1.6 percent for white males and 4.3 percent for black males. White and black males also had statistically significant declines in more age groups than females. Age-specific death rates for white males significantly declined at every age except 1-4 years, while the rates of black males declined for 15-24, 25-34, 35-44, 45-54, 65-74, 75-84, and 85 years and over. White females experienced declines at 1-4, 15-24, 35-44, and 55-64 years, while black females experienced declines at 25-34, 35-44, and 55-64 years.

### 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. In 1996 life expectancy at birth reached a record high of 76.1 years, an increase of 0.3 year contrasted with life expectancy in 1995. This

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

In 1996 life expectancy for females was 79.1 years, a 0.2-year increase from 1995, while for males it was 73.1 years, a 0.6-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 6.4 years in 1995 to 6.0 years in 1996.

Between 1995 and 1996, life expectancy for the white population increased 0.3 year to a record high of 76.8 years, while for the black population it increased 0.6 year from 69.6 years to 70.2 years, reaching a record high. The difference in life expectancy between the white and black populations was 6.6 years in 1996, a narrowing of the gap from 1994 (7.0 years) and 1995 (6.9 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 (79.7 years), followed by black females (74.2 years), white males (73.9 years), and black

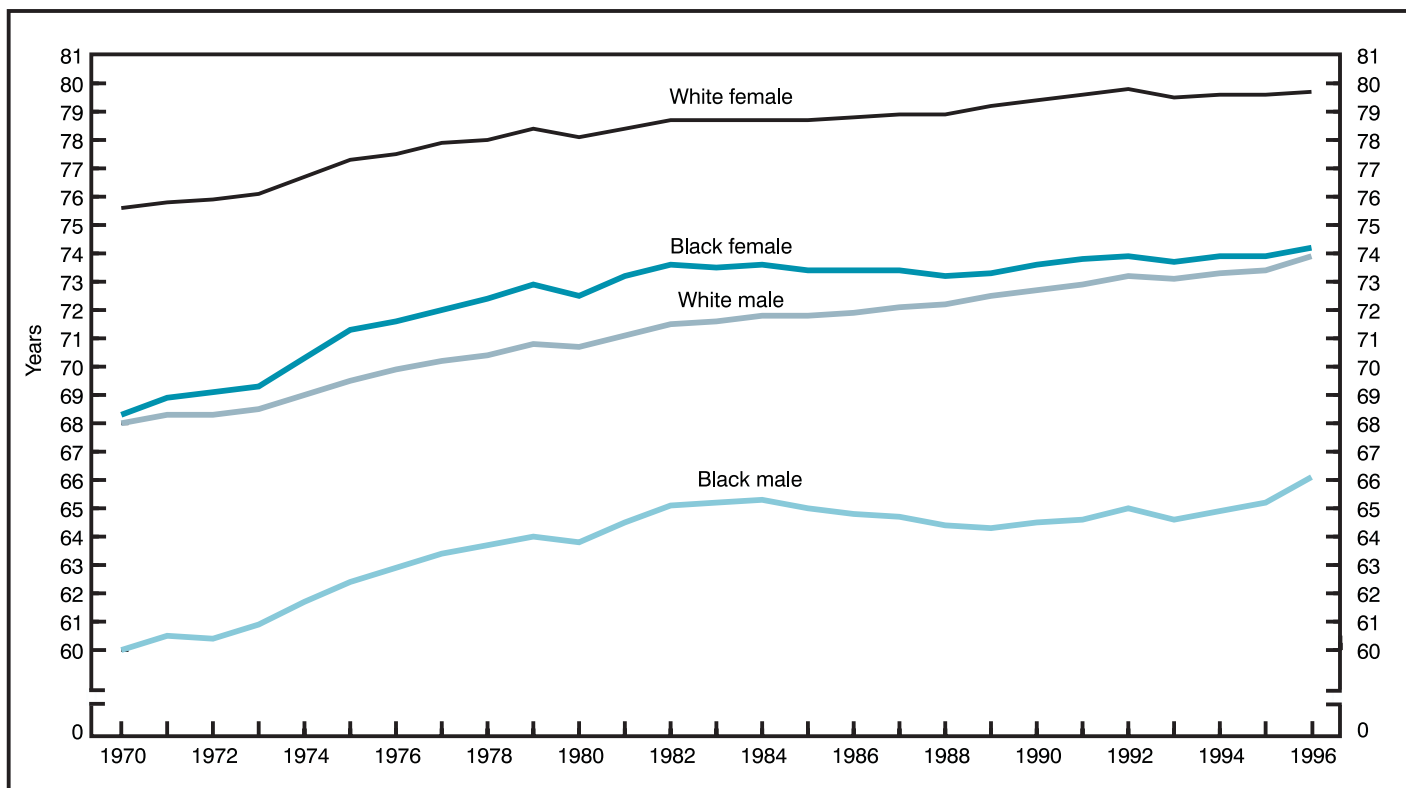


Figure 3. Life expectancy by sex: United States, 1970-96

males (66.1 years). Record high life expectancies were reached for white and black males and black females. Life expectancy increased 0.5 year for white males (from 73.4 in 1995 to 73.9 in 1996) and 0.9 year for black males (from 65.2 in 1995 to 66.1 in 1996). Black males experienced an unprecedented decline in life expectancy every year from 1984 to 1989 (4), but experienced increases from 1990 to 1992 and 1994 to 1996 (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 1996 life expectancy for white females was still 0.1 year short of this high. Between 1988 and 1992, life expectancy for black females increased, but remained virtually unchanged from 1992 to 1995. In 1996 black female life expectancy increased 0.3 year to a record high life expectancy of 74.2 years. Overall the largest gain in life expectancy between 1980 and 1996 was for white males (3.2 years), followed by black males (2.3 years), black females (1.7 years), and white females (1.6 years).

The 1996 life table may be used to compare life expectancies at any age from birth onward. For example, 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 1996, a person aged 50 years could expect to live an average of 29.5 more years for a total of 79.5 years, and a person aged 65 years could expect to live an average of 17.5 more years for a total of 82.5 years (tables 4 and 5).

### Leading causes of death

The 15 leading causes of death in 1996 accounted for 85.2 percent of all deaths in the United States (table B). (For ranking procedures, see Technical notes.) In 1996 the 15 leading causes of death remained the same as in 1995, but the ranking changed. From

the 13th leading cause of death, septicemia replaced homicide as the 12th leading cause, while homicide dropped to the 14th leading cause, making 1996 the third consecutive year in which the rank of homicide has dropped. Alzheimer's disease moved from the 14th to the 13th leading cause of death.

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 7 of the 15 leading causes showed a statistically significant decrease from 1995 to 1996 (table B). The most notable decline was for HIV infection, with a decrease of 28.8 percent. This marks 1996 as the first year mortality due to this cause has declined. 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 increased by 1.3 percent from 1994, but the increase was not statistically significant.

Continuing a general downward trend observed since 1991, between 1995 and 1996 the age-adjusted death rate for homicide dropped 9.6 percent—the largest decline since 1983. 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 2.7 percent in 1996, while the age-adjusted death rate for cancer, the second leading cause of death, declined by 1.5 percent. The combined number of deaths from these two causes accounted for 55 percent of all U.S. deaths in 1996. 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 1.1 percent between 1995 and 1996.

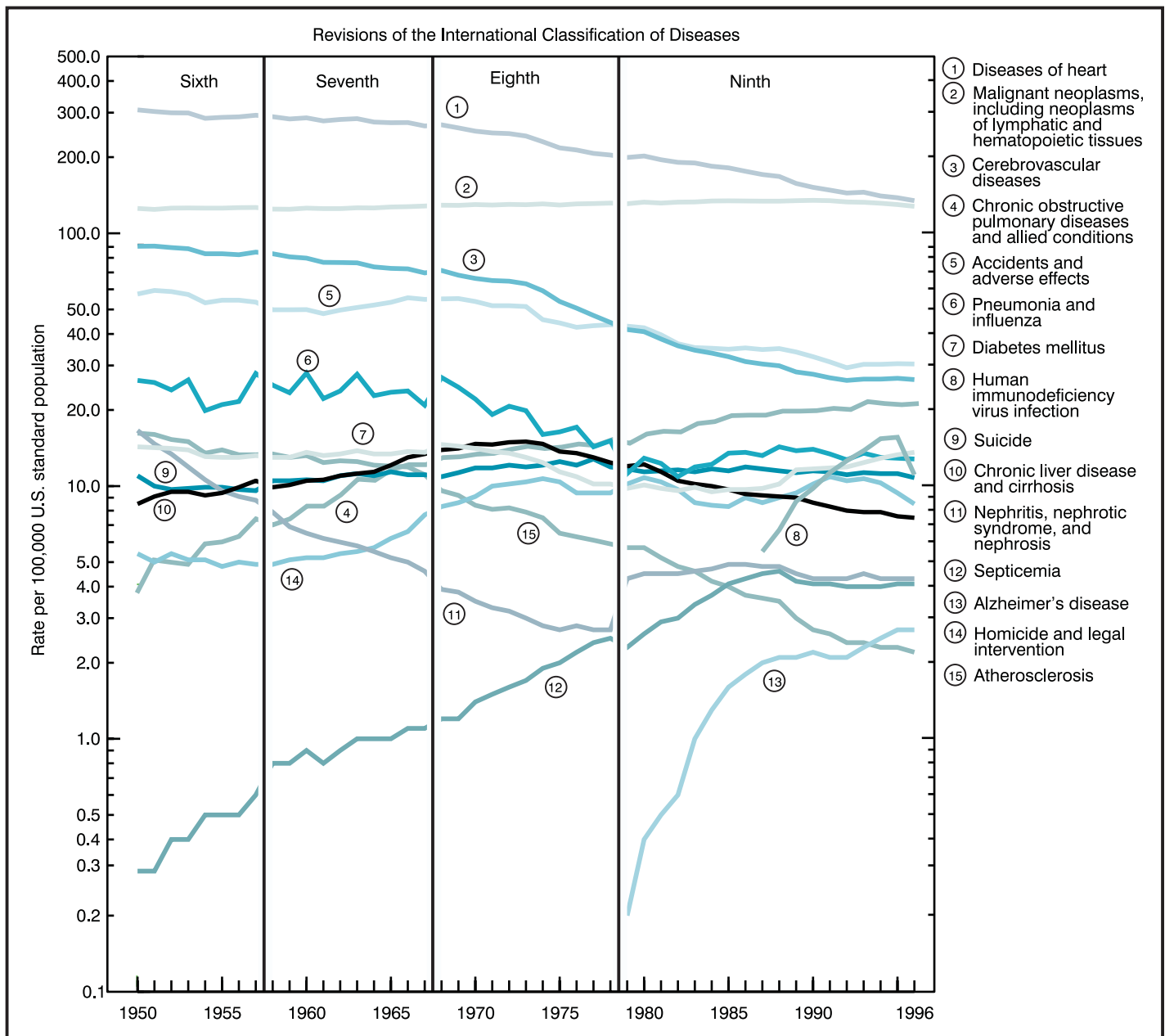


Figure 4. Age-adjusted death rates for the 15 leading causes of death: United States, 1950–96

Suicide, the 9th leading cause of death declined by 3.6 percent, and atherosclerosis, the 15th leading cause of death, declined by 4.3 percent. Three other leading causes declined, although the declines were not statistically significant: accidents, pneumonia and influenza, and chronic liver disease.

Diabetes and COPD were the only leading causes of death that had statistically significant increases in age-adjusted death rates. Diabetes increased 2.3 percent between 1995 and 1996, while COPD increased 1 percent. Diabetes mortality has been increasing consistently since 1986. Since 1990 the age-adjusted death rate for diabetes has increased at an apparently accelerated rate, from about 1 percent annually during 1990–92 to almost 4 percent annually during 1992–95. 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 (9). For three leading causes of death—kidney disease, septicemia, and Alzheimer's disease—age-adjusted death rates did not change between 1995 and 1996.

The 10 leading causes of death (table 8) show that in 1996 the patterns of the leading causes of death differed by age, sex, and race. 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 1996 it had dropped to a rank of third. 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 between the second and fourth leading cause of death. It was the fourth



leading cause 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. HIV infection, suicide, and chronic liver disease 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 effect 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, HIV infection was second for males but fourth for females, and cancer was the leading cause of death among females but ranked fifth for males.

Racial variations in the leading cause-of-death patterns showed that 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 was the leading cause. Over the age of 14, 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 65 years. For the age groups 5–14 through 45–64 years, suicide ranked higher for the white population.

The relative risk of death of one group compared to another can be expressed as a ratio. Ratios based on age-adjusted death rates show that males have higher ratios than females for 14 of the leading causes of death (table B). Nine of the leading causes of death showed differentials in which age-adjusted death rates for males were at least 1.5 times those for females. The largest ratio was for suicide, for which the rate was 4.5 times greater for males than for females. Other large ratios were for HIV infection (4.3), homicide (3.7), accidents (2.4), chronic liver disease (2.4), heart disease (1.8), pneumonia and influenza (1.6), COPD (1.5), and kidney disease (1.5).

Ratios for the black population compared to the white population were at least 1.5 times greater for eight of the leading causes of death (table B). The largest ratio was for homicide, for which the rate for the black population was 6.2 times that of the white population. Other causes for which the ratio was large include HIV infection (5.8), septicemia (2.8), kidney disease (2.6), diabetes (2.4), stroke (1.8), heart disease (1.5), and pneumonia and influenza (1.5). For three of the leading causes, age-adjusted rates were higher for the white than the

black population. Age-adjusted death rates for the white population were 1.2 times higher for COPD, 1.8 times higher for suicide, and 1.5 times higher for Alzheimer's disease.

Causes of death can be identified that accounted for changes in age-specific death rates between 1995 and 1996. Thus, the 5.7-percent decrease in the death rate for those aged 1–4 years was due primarily to declines in mortality from cancer and HIV infection. The 3.6-percent decrease in the death rate for those aged 5–14 years was due mainly to declines in mortality from homicide. Decreases in mortality from homicide, suicide, and HIV infection were largely responsible for the 6.0-percent decrease in the death rate for those aged 15–24 years. The 10.3-percent decrease in the death rate for those aged 25–34 years, the 8.1-percent decrease for those aged 35–44 years, and the 3.1-percent decrease for those aged 45–54 years were overwhelmingly due to decreases in mortality from HIV infection. Decreases in death rates for those aged 55–64, 65–74, 75–84, and 85 years and over were due primarily to decreases in mortality from heart disease and cancer.

For white males the decline in mortality due to accidents had the largest impact on decreases in death rates among children aged 5–14 years, while declines in suicide and homicide mortality had the greatest impact on the decrease in the death rate among older teenagers and young adults in the 15–24-year-old age group. Decreases in the death rates of white males aged 1–4, 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 of white males.

Among black males declines in homicide and HIV infection mortality had the largest effect on reducing the age-specific death rate of teenagers and young adults aged 15–24 years. For those aged 25–34, 35–44, and 45–54 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 mortality.

Reductions in accident and HIV infection mortality had the greatest effect on the 8.7-percent decrease in the death rate of 1–4-year-old white females, while the decline in homicide mortality influenced the decrease in the death rate of 15–24-year-old white females. Decreases in HIV infection and cancer mortality contributed the most to the decline in the death rate of white women aged 35–44 years, and the decline in heart disease was the primary contributor to the decline in the death rate of 55–64-year-olds.

Declines in the death rates of black females aged 25–34 and 35–44 years are attributable mainly to the decrease in HIV infection mortality, while the decline in the death rate of 55–64-year-olds is credited to the reduction in cancer mortality.

Life expectancy at birth improved from 75.8 years in 1995 to 76.1 years in 1996 primarily because of decreases in mortality from HIV infection, heart disease, cancer, and homicide, despite increases in mortality from diabetes and COPD. (For discussion of contribution to the change in life expectancy, see [Technical notes](#).) Among white males life expectancy improved by 0.5 year between 1995 and 1996 because of decreases in mortality from HIV infection, heart disease, cancer, homicide, and accidents, although mortality from diabetes increased. For white females the decreases in mortality from heart disease, cancer, HIV infection, homicide, and Congenital anomalies were partially offset

by increases in mortality from COPD, accidents, Alzheimer's disease, and diabetes. The result was an increase of 0.1 year in white female life expectancy from 1995 to 1996. For black males decreases in mortality from HIV infection, heart disease, homicide, cancer, and accidents contributed to the 0.9-year gain in life expectancy. This gain occurred despite increases in mortality from septicemia and pneumonia and influenza. Life expectancy for black females increased by 0.3 year due to declines in mortality from HIV infection, cancer, heart disease, perinatal conditions, and homicide, which were partially offset by increases in mortality due to diabetes, COPD, congenital anomalies, accidents, and Hernia of abdominal cavity and intestinal obstruction without mention of hernia (hernia).

Life expectancy for white males was 7.8 years longer than for black males in 1996. The causes of death contributing the most to the white male advantage in life expectancy were heart disease, homicide, HIV infection, cancer, and perinatal conditions. This advantage was offset by suicide and Alzheimer's disease, which are more detrimental to the mortality of white males than the mortality of black males. The life expectancy for white females was 5.5 years longer than that for black females. Contributing the most to this differential were heart disease, cancer, HIV infection, diabetes, and stroke. COPD, suicide, and Alzheimer's disease, which have a more negative impact on the mortality of white females than the mortality of black females, prevented this difference from being greater.

### Hispanic mortality

Hispanic mortality data for 1996 are based on deaths to residents of 49 States and the District of Columbia. Data shown in [tables 3, 9, 26, and 29](#) exclude Oklahoma because the State did not include the Hispanic origin item on its death certificates in 1996. (For details on reporting area, see [Technical notes](#).) 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 to the Current Population Survey, Hispanic origin on the death certificate may be underreported by an estimated 7 percent (see [Technical notes](#)). The age-adjusted death rate for the Hispanic population declined by 5.4 percent from 1995 to 1996 from 386.8 deaths per 100,000 U.S. standard population to 365.9, compared with a decline of 2.1 percent for the non-Hispanic population from 507 to 496.2.

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 65 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 nearly 22 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 difference between the Hispanic and non-Hispanic white populations reflects the lower age-specific mortality for the older age groups and the younger age composition of the Hispanic population compared with that of the non-Hispanic white population. Part of the difference may also be 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 1.8 times that for females, compared to 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 two to three times higher death rates than Hispanic females for ages 15–44 years. The ratio ranged between 1.2 and 1.4 for ages under 15 years and between 1.2 and 1.8 for ages 45 years and over.

For specified subgroups of the Hispanic population, the age-adjusted death rate was substantially lower for Central and South Americans and Other and unknown Hispanics (332.2), Cubans (346.7), and Mexicans (359.1) than for Puerto Ricans (509.0). Among Hispanic males Mexicans had the lowest age-adjusted death rate, while Puerto Ricans had the highest. Among Hispanic females the subgroup composed of Central and South Americans and Other and unknown Hispanics had the lowest rate, while Puerto Ricans had the highest.

The 10 leading causes of death for the Hispanic population were the same from 1995 to 1996. The ranking also remained the same except that HIV infection, the fourth leading cause of death in 1995, dropped to fifth, while stroke, fifth in 1995, moved to fourth.

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 56 percent of all deaths in 1996 for the total non-Hispanic population but for only 43 percent for the Hispanic population. These two causes accounted for 57 percent of the deaths for the non-Hispanic white population and 49 percent for the non-Hispanic black population. Of the 10 leading causes of death for the Hispanic population, homicide (the seventh leading cause) and chronic liver disease (the ninth leading cause) were not among the 10 leading causes for the total non-Hispanic population. Conversely, suicide and kidney disease, the 8th and 10th 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 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 more 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 years. Chronic liver disease also ranked higher for the Hispanic population than for the total non-Hispanic population for ages 45–64 years and 65 years and over.

### Firearm mortality

In 1996 a total of 34,040 persons died from firearm injuries in the United States ([table 16](#)). This number was 5.3 percent lower than the 35,957 deaths in 1995. Firearm suicide and homicide, the two major component causes, accounted for 53 and 42 percent, respectively, of all firearm injury deaths in 1996.

Of the 34,040 firearm injury deaths in 1996, 60.3 percent were white males, 23.6 percent were black males, 10.6 percent were white females, and 3.3 percent were black females. The largest numbers of firearm deaths for males and females were for the age groups 15–24 and 25–34 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](#)).

**Table C. Number of infant, neonatal, and postneonatal deaths and mortality rates, by race and sex: United States, 1996**

[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]

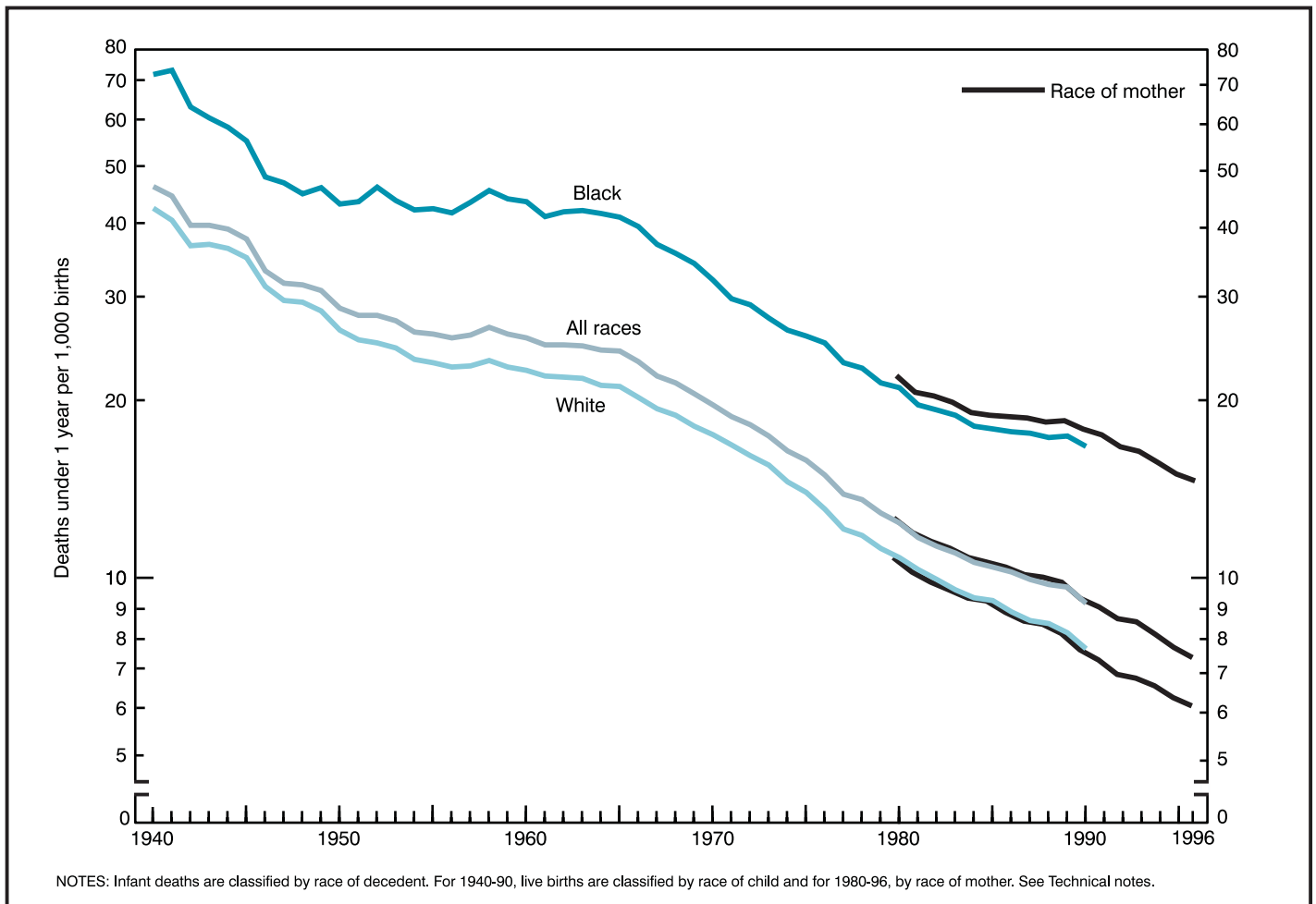
Race and sex	Infant		Neonatal		Postneonatal	
	Number	Rate	Number	Rate	Number	Rate
All races <sup>1</sup>	28,487	732.0	18,572	477.2	9,915	254.8
Male	15,965	802.1	10,313	518.1	5,652	284.0
Female	12,522	658.7	8,259	434.5	4,263	224.2
White	18,761	606.6	12,293	397.4	6,468	209.1
Male	10,561	666.6	6,826	430.8	3,735	235.7
Female	8,200	543.5	5,467	362.4	2,733	181.2
Black	8,730	1,467.8	5,688	956.3	3,042	511.4
Male	4,837	1,604.5	3,150	1,044.9	1,687	559.6
Female	3,893	1,327.3	2,538	865.3	1,355	462.0

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

In 1996 the age-adjusted death rate for firearm injuries was 12.9 deaths per 100,000 U.S. standard population, 7.2 percent lower than the rate of 13.9 in 1995. 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 1996, the age-adjusted death rate for firearm injuries declined by 17.3 percent (table 18).

Between 1995 and 1996, the age-adjusted death rate for firearm injuries decreased by 6.5 percent for black males, 6.7 percent for white males, and 11.4 percent for white females. Although not statistically significant, it decreased 4.4 percent for black females. In 1996 the rate for males was 6.2 times that for females, and the rate for the black population was 2.7 times that of the white population.

The age-adjusted death rate decreased by 10.4 percent for firearm homicide and 3.1 percent for firearm suicide between 1995 and 1996. There was no change in the age-adjusted death rate of accidents caused by firearms. In 1996 the age-specific death rates for firearm



**Figure 5. Infant mortality rates by race: United States, 1950–96**

homicide were highest for the age groups 15–24 and 25–34 years. Black males aged 15–24 years had the highest age-specific death rate at 112.6 per 100,000 population. The highest age-specific death rate for suicide by firearms was 48.7 for white males 85 years and over.

### Drug-induced mortality

In 1996 a total of 14,843 persons died of drug-induced causes in the United States (table 19). 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 1996 was 5.2 deaths per 100,000 U.S. standard population, compared with the rate of 5.1 in 1995. The rate increased by 35 percent from 1983 to 1988, then declined 14 percent between 1988 and 1990, and has increased every year since 1990. Between 1990 and 1996, the age-adjusted death rate for drug-induced causes increased by 44 percent. In 1996 the age-adjusted death rate for drug-induced causes for males was 2.3 times the rate for females, and the rate for the black population was 1.6 times that for the white population.

### Alcohol-induced mortality

In 1996 a total of 19,770 persons died of alcohol-induced causes in the United States (table 20). 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 1996 was 6.4 deaths per 100,000 U.S. standard population, 4.5 percent lower than the rate of 6.7 in 1995. The rate decreased 20 percent from 1980 to 1986, increased 9 percent from 1986 to 1989, and decreased 7 percent from 1989 to 1991. Between 1991 and 1995 there was very little change in the age-adjusted rate. In 1996 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 1.7 times the rate for the white population.

### Marital status

Among those aged 15 years and over, the number of deaths in 1996 among persons who were married was 941,833; widowed, 861,123; never married, 238,380; and divorced, 221,070 (table 21) (see [Technical notes](#)). An examination of age-adjusted death rates reveals that those never married have the highest death rate, followed by those widowed, divorced, and married. The never married have an age-adjusted death rate 79 percent higher than the ever married and 2.2 times the rate for the currently married. Age-adjusted death rates for the widowed and divorced were 86 percent and 78 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 have higher age-adjusted death rates than females, ranging from 76 to 94 percent greater. Black persons in each marital status group are more likely to die than white persons, with rates ranging from 13 to 50 percent greater.

### Educational attainment

Beginning with this report, age-specific and age-adjusted death rates are shown by educational attainment for age groups in the range 25–64 years (table 22). In the 45 reporting States and the District of Columbia, a total of 209,969 decedents aged 25–64 years had completed 12 years of education, compared to 142,648 who had completed 13 years or more and 116,191 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 556.0 per 100,000 standard population—17.7 percent higher than the rate of 472.4 for those with 12 years of education and 2.4 times higher than for those with 13 years of education or more. Rates are provided only for ages 25–64 years because persons under age 25 may not have completed their education and because at the older ages there is greater likelihood of misreporting educational attainment on the death certificate. Age-adjusted death rates are calculated only for the segment of the population aged 25–64 years (see [Technical notes](#)). Data on educational attainment must be interpreted with caution because of misreporting and because of biases resulting from differences in the classification of educational attainment on the death certificate and in census surveys (see [Technical notes](#)).

### Injury at work

For the first time in this series, mortality data on injury at work are presented (table 23). For ages 15 years and over, a total of 5,778 deaths were reported on death certificates due to injuries at work. Rates were lowest at the youngest and oldest ages, 15–24 years and 65 years and over, respectively. For the other age groups, the risk of death due to injury at work varied little by age. The risk of work-related death was much greater for males than for females; ninety-one percent of those who died from injuries at work were males. The age-adjusted death rate for males was 5.2 deaths per 100,000 U.S. standard population, compared with a rate of 0.4 for females, resulting in a mortality ratio of 13. The age-adjusted rate for the black population was 2.6, slightly less than the rate of 2.8 for the white population, resulting in a mortality race ratio of 0.9. The difference in the rates between the black and white populations was not statistically significant. The male-to-female ratios were similar for the white and black populations.

### Infant mortality

In 1996 a total of 28,487 infant deaths were reported (table C), 3.7 percent fewer than the 1995 total of 29,583. The infant mortality rate of 7.3 infant deaths per 1,000 live births is the lowest rate ever recorded for the United States (figure 5 and table 25). It represents a

3.9-percent decline from the rate of 7.6 for the previous year. The mortality rate for white infants declined 3.2 percent (6.1 in 1996 compared with 6.3 in 1995). Although not statistically significant, the rate for black infants declined 2.6 percent (14.7 in 1996 compared with 15.1 in 1995).

The gap between black and white infant mortality narrowed somewhat from 1.9 in 1960 to 1.8 in 1971. However, after 1971 the black-white infant mortality ratio generally increased (13,14), before leveling off in 1990. In 1996 this ratio was 2.4 and has not changed since 1990.

Between 1995 and 1996 the neonatal mortality rate declined by 2 percent, from 4.9 to 4.8 deaths for infants under 28 days of age per 1,000 live births (table 25). For white and black infants, the neonatal mortality rate did not change significantly from 1995. The postneonatal mortality rate—deaths to infants aged 28 days–11 months per 1,000 live births—declined by 7.4 percent, from 2.7 in 1995 to 2.5 in 1996. For white infants the postneonatal mortality rate declined 4.6 percent from 2.2 to 2.1 deaths per 1,000 live births. For black infants the rate was 5.1 in 1996 compared with 5.3 in 1995; this decline was not statistically significant.

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—accounted for just over one-half (51.6 percent) of all infant deaths in 1996. The remaining six causes accounted for only 16.4 percent of all infant deaths (table 27). The list of 10 leading causes of infant death was unchanged between 1995 and 1996, but the rankings of two of the leading causes of infant death changed slightly. Infections specific to the perinatal period (perinatal infections), the seventh leading cause in 1995, and accidents, the eighth leading cause, switched position in 1996, returning to the ranking for 1994.

Congenital anomalies, low birthweight, and respiratory distress syndrome 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 28.6 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 27).

Between 1995 and 1996, the infant mortality rate significantly decreased for only one of the leading causes of infant death—SIDS—which declined by 10 percent. This cause contributed the most to the improvement between 1995 and 1996 in the overall infant mortality rate. Mortality from SIDS has declined 44 percent since 1988, from a rate of 140.1 to 78.4 in 1996 (13,14). For the other leading causes of infant death, changes in the infant mortality rate were not statistically significant between 1995 and 1996.

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 respiratory distress syndrome. Combined, these four causes accounted for 52.6 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 respiratory distress syndrome. These causes accounted for 49.4 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 (4.1); respiratory distress syndrome (2.9); perinatal infections (2.8); Newborn affected by maternal complications of pregnancy (maternal complications) and pneumonia and influenza (2.7); SIDS (2.6); Newborn affected by complications of placenta, cord, and membranes (complications of placenta) (2.3); accidents (2.1); and congenital anomalies (1.2).

Between 1995 and 1996, the decrease in mortality from SIDS made the largest contribution to the 3.2-percent decline in the white infant mortality rate, while the decrease in mortality from low birthweight made the largest contribution to the 2.7-percent decline in the black infant mortality rate.

*Hispanic infant mortality*—The infant mortality rate was 5.9 deaths to Hispanic infants under 1 year of age per 1,000 live births in an area comprised of 49 States and the District of Columbia (table 26). (For a description of the Hispanic reporting area, see [Technical notes](#).) Among specified subgroups of the Hispanic population, the infant mortality rate for Mexican infants was 5.9 infant deaths per 1,000 live births, 7.8 for Puerto Rican infants, 5.1 for Cuban infants, and 5.3 for Central and South American and Other and unknown 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 (see [Technical notes](#)). Infant mortality rates from the 1996 linked file were 6.1 infant deaths per 1,000 live births for total Hispanic origin, 5.8 for Mexican, 8.6 for Puerto Rican, 5.1 for Cuban, and 5.9 for Central and South American and Other and unknown Hispanic infants (15).

## Maternal mortality

In 1996 a total of 294 women were reported to have died of maternal causes (table 32), compared with 277 in 1995. 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 1996 was 7.6 deaths per 100,000 live births, compared with a rate of 7.1 in 1995. The difference in the rates between the two years was not statistically significant.

Black women have a substantially higher risk of maternal death than white women. In 1996 the maternal mortality rate for black women was 20.3, almost four times the rate of 5.1 for white women. The greatest differential by race was for Direct obstetric causes, for which the rate for black females was 18 deaths per 100,000 live births, over four times the rate of 4.4 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 1975–96**

[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															
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															
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 ...	866.7	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 1975–96–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>														
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	551.0	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, 1996**

[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 .....	2,314,690	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
Under 1 year .....	28,487	15,965	12,522	18,761	10,561	8,200	8,730	4,837	3,893	317	175	142	679	392	287
1 - 4 years .....	5,948	3,349	2,599	4,041	2,335	1,706	1,623	869	754	114	60	54	170	85	85
5 - 9 years .....	3,780	2,200	1,580	2,693	1,566	1,127	934	542	392	62	36	26	91	56	35
10 - 14 years .....	4,550	2,803	1,747	3,352	2,055	1,297	990	618	372	81	53	28	127	77	50
15 - 19 years .....	14,663	10,682	3,981	10,619	7,555	3,064	3,490	2,728	762	226	166	60	328	233	95
20 - 24 years .....	17,780	13,631	4,149	12,324	9,434	2,890	4,762	3,694	1,068	250	188	62	444	315	129
25 - 29 years .....	20,730	14,825	5,905	14,424	10,402	4,022	5,552	3,887	1,665	303	226	77	451	310	141
30 - 34 years .....	30,417	21,245	9,172	21,422	15,269	6,153	8,086	5,372	2,714	393	272	121	516	332	184
35 - 39 years .....	42,499	28,806	13,693	30,277	21,018	9,259	11,056	7,044	4,012	469	300	169	697	444	253
40 - 44 years .....	53,534	35,498	18,036	38,621	26,044	12,577	13,534	8,591	4,943	495	322	173	884	541	343
45 - 49 years .....	67,032	43,056	23,976	50,239	32,574	17,665	15,009	9,434	5,575	552	320	232	1,232	728	504
50 - 54 years .....	77,297	47,815	29,482	60,640	37,785	22,855	14,762	8,963	5,799	602	321	281	1,293	746	547
55 - 59 years .....	96,726	58,974	37,752	77,494	47,550	29,944	16,962	10,056	6,906	655	377	278	1,615	991	624
60 - 64 years .....	136,999	82,196	54,803	112,647	68,138	44,509	21,497	12,382	9,115	803	472	331	2,052	1,204	848
65 - 69 years .....	200,045	116,660	83,385	170,389	100,389	70,000	25,960	14,226	11,734	909	479	430	2,787	1,566	1,221
70 - 74 years .....	273,849	152,513	121,336	238,485	133,921	104,564	30,789	16,015	14,774	999	546	453	3,576	2,031	1,545
75 - 79 years .....	321,223	167,377	153,846	286,315	149,924	136,391	30,236	14,927	15,309	936	451	485	3,736	2,075	1,661
80 - 84 years .....	342,067	157,882	184,185	310,103	143,738	166,365	27,462	11,866	15,596	839	376	463	3,663	1,902	1,761
85 years and over ....	576,541	187,719	388,822	529,736	171,449	358,287	40,534	13,340	27,194	1,118	419	699	5,153	2,511	2,642
Not stated .....	523	373	150	384	277	107	121	81	40	4	4	-	14	11	3
	Rate														
All ages <sup>3</sup> .....	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
Under 1 year <sup>4</sup> .....	755.7	828.0	680.0	622.2	683.3	558.0	1,598.1	1,748.2	1,444.0	796.7	874.4	718.2	403.5	457.6	347.4
1 - 4 years .....	38.3	42.2	34.3	32.9	37.1	28.5	67.6	71.4	63.7	70.1	72.9	67.1	25.1	24.6	25.6
5 - 9 years .....	19.4	22.1	16.7	17.5	19.9	15.1	30.2	34.5	25.7	27.3	31.2	23.3	12.0	14.3	9.5
10 - 14 years .....	24.0	28.8	18.9	22.2	26.5	17.7	34.1	41.9	26.0	34.2	44.1	24.0	16.7	19.8	13.4
15 - 19 years .....	78.6	111.0	44.0	71.6	98.4	42.8	120.2	185.0	53.3	106.6	154.6	57.4	46.3	64.8	27.3
20 - 24 years .....	101.3	151.5	48.5	88.0	130.4	42.6	183.7	288.3	81.4	134.5	197.3	68.4	57.6	81.0	33.7
25 - 29 years .....	109.1	155.4	62.4	94.0	133.8	53.2	213.4	312.4	122.7	161.5	231.0	85.7	51.4	73.5	30.9
30 - 34 years .....	142.4	199.4	85.7	122.6	173.3	71.0	287.7	406.9	182.1	211.6	290.4	131.4	58.1	77.7	39.9
35 - 39 years .....	188.2	255.9	121.0	161.9	223.1	99.8	390.1	529.3	266.9	258.4	333.5	184.7	80.6	106.7	56.4
40 - 44 years .....	257.2	344.3	171.7	222.2	299.2	144.9	545.5	744.3	372.5	307.7	411.9	209.1	111.8	145.4	81.9
45 - 49 years .....	363.6	475.2	255.7	321.2	418.9	224.5	751.7	1,034.3	514.0	421.3	501.6	345.1	185.0	235.6	141.2
50 - 54 years .....	554.8	705.6	411.9	507.3	643.3	376.0	1,044.7	1,415.6	743.6	618.8	687.5	555.4	274.6	334.4	220.8
55 - 59 years .....	851.3	1,081.1	639.1	793.7	1,003.5	595.9	1,458.0	1,972.0	1,056.8	879.4	1,066.9	710.1	446.8	578.2	328.4
60 - 64 years .....	1,370.1	1,744.8	1,036.3	1,302.0	1,651.6	983.3	2,160.9	2,900.5	1,604.9	1,358.0	1,707.3	1,051.3	699.9	920.3	522.3
65 - 69 years .....	2,022.4	2,588.3	1,548.6	1,965.9	2,519.3	1,494.9	2,793.2	3,578.4	2,206.2	1,905.0	2,200.2	1,657.3	1,128.4	1,519.7	848.3
70 - 74 years .....	3,119.8	3,995.1	2,446.1	3,040.2	3,899.8	2,370.9	4,372.6	5,622.1	3,523.8	2,622.3	3,203.3	2,151.9	1,870.3	2,490.0	1,409.3
75 - 79 years .....	4,674.0	5,934.2	3,796.8	4,619.4	5,865.7	3,744.9	5,748.6	7,385.3	4,727.1	3,547.1	4,131.9	3,134.5	3,059.5	4,024.0	2,354.5
80 - 84 years .....	7,505.6	9,477.2	6,369.8	7,471.9	9,459.2	6,323.9	8,579.2	10,897.2	7,384.1	4,827.1	5,424.1	4,431.0	5,254.9	6,229.7	4,495.2
85 years and over ....	15,327.2	17,547.7	14,444.7	15,552.0	17,870.5	14,642.9	14,157.6	16,006.3	13,398.5	6,679.8	7,686.7	6,193.5	9,852.6	11,637.4	8,599.1

- Quantity zero.

<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: Total of 49 States and the District of Columbia, 1996**

[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]

<i>Hispanic origin<sup>1</sup>, race for non-Hispanic population, and sex</i>	<i>Total</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 not stated</i>	<i>Age-adjusted rate<sup>3</sup></i>
Number														
All origins .....	2,281,571	28,093	5,872	8,202	31,968	50,491	94,802	142,349	230,245	467,150	654,071	567,830	498	...
Male .....	1,147,085	15,734	3,305	4,927	23,969	35,614	63,512	89,646	139,019	265,298	320,783	184,919	359	...
Female .....	1,134,486	12,359	2,567	3,275	7,999	14,877	31,290	52,703	91,226	201,852	333,288	382,911	139	...
Hispanic .....	94,957	4,102	871	1,051	4,640	6,301	8,217	8,847	11,483	17,503	17,845	14,028	69	...
Male .....	55,217	2,341	496	624	3,742	4,855	6,039	5,975	7,025	9,842	8,847	5,368	63	...
Female .....	39,740	1,761	375	427	898	1,446	2,178	2,872	4,458	7,661	8,998	8,660	6	...
Mexican American .....	51,637	2,858	628	720	3,177	3,625	4,229	4,654	6,050	9,711	9,049	6,890	46	...
Male .....	30,657	1,622	367	426	2,603	2,864	3,125	3,147	3,659	5,366	4,671	2,765	42	...
Female .....	20,980	1,236	261	294	574	761	1,104	1,507	2,391	4,345	4,378	4,125	4	...
Puerto Rican .....	13,531	426	77	111	418	1,068	1,761	1,834	2,008	2,328	2,152	1,348	-	...
Male .....	8,025	235	41	64	311	757	1,269	1,272	1,266	1,286	1,014	510	-	...
Female .....	5,506	191	36	47	107	311	492	562	742	1,042	1,138	838	-	...
Cuban .....	9,929	64	13	12	76	198	405	540	1,099	2,075	2,866	2,581	-	...
Male .....	5,354	38	4	8	54	155	317	390	754	1,316	1,403	915	-	...
Female .....	4,575	26	9	4	22	43	88	150	345	759	1,463	1,666	-	...
Central and South American .....	8,093	292	76	100	524	820	977	878	1,067	1,216	1,277	864	2	...
Male .....	4,480	169	45	51	428	639	710	537	570	573	492	265	1	...
Female .....	3,613	123	31	49	96	181	267	341	497	643	785	599	1	...
Other and unknown Hispanic .....	11,767	462	77	108	445	590	845	941	1,259	2,173	2,501	2,345	21	...
Male .....	6,701	277	39	75	346	440	618	629	776	1,301	1,267	913	20	...
Female .....	5,066	185	38	33	99	150	227	312	483	872	1,234	1,432	1	...
Non-Hispanic <sup>4</sup> .....	2,176,851	23,549	4,971	7,104	27,169	43,894	85,972	132,655	217,667	447,819	633,946	551,867	238	...
Male .....	1,086,328	13,159	2,795	4,278	20,115	30,542	57,011	83,063	131,237	254,297	310,822	178,859	150	...
Female .....	1,090,523	10,390	2,176	2,826	7,054	13,352	28,961	49,592	86,430	193,522	323,124	373,008	88	...
White .....	1,862,615	14,239	3,138	4,898	17,931	28,978	59,497	99,978	175,072	384,203	568,479	506,060	142	...
Male .....	918,911	7,993	1,817	2,937	12,985	20,418	40,235	63,068	106,362	220,205	279,844	162,958	89	...
Female .....	943,704	6,246	1,321	1,961	4,946	8,560	19,262	36,910	68,710	163,998	288,635	343,102	53	...
Black .....	276,720	8,404	1,568	1,866	8,064	13,364	24,106	29,201	37,768	55,782	56,684	39,825	88	...
Male .....	146,469	4,651	840	1,129	6,275	9,059	15,282	18,009	22,003	29,715	26,352	13,098	56	...
Female .....	130,251	3,753	728	737	1,789	4,305	8,824	11,192	15,765	26,067	30,332	26,727	32	...
Not stated <sup>5</sup> .....	9,763	442	30	47	159	296	613	847	1,095	1,828	2,280	1,935	191	...
Male .....	5,540	234	14	25	112	217	462	608	757	1,159	1,114	692	146	...
Female .....	4,223	208	16	22	47	79	151	239	338	669	1,166	1,243	45	...
Rate														
All origins .....	870.8	753.7	38.2	21.6	89.4	126.5	221.1	445.2	1,091.8	2,534.5	5,809.2	15,330.8	...	491.1
Male .....	894.3	825.0	42.1	25.4	130.4	178.2	297.9	572.9	1,384.6	3,225.5	7,263.6	17,499.5	...	622.8
Female .....	848.2	679.0	34.2	17.7	46.0	74.6	145.2	322.9	825.7	1,977.7	4,870.6	14,465.0	...	380.8
Hispanic .....	336.8	614.9	33.6	20.3	93.6	122.6	197.0	361.2	793.0	1,776.0	3,943.5	9,405.5	...	365.9
Male .....	381.3	686.2	37.3	23.5	140.3	175.0	279.7	493.7	1,032.0	2,245.4	4,966.4	10,617.7	...	474.8
Female .....	289.8	540.2	29.6	16.9	39.2	61.1	108.2	231.8	580.9	1,400.0	3,279.4	8,783.9	...	268.0
Mexican American .....	289.9	594.3	34.5	20.7	98.2	109.6	170.8	330.8	778.8	1,873.5	3,893.2	*	...	359.1
Male .....	328.3	678.4	39.5	24.1	147.9	155.3	235.8	436.9	940.4	2,327.9	4,628.3	*	...	448.9
Female .....	247.5	511.1	29.2	17.2	38.9	52.0	96.0	219.5	616.7	1,509.6	3,329.0	*	...	271.8
Puerto Rican .....	442.4	*	31.5	17.5	81.3	219.7	363.9	614.0	1,073.0	*	*	*	...	509.0
Male .....	555.0	*	*	21.2	123.0	338.8	529.9	940.6	*	*	*	*	...	740.5
Female .....	341.4	*	*	14.2	40.9	118.4	201.3	343.8	667.1	*	*	*	...	347.5

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: Total of 49 States and the District of Columbia, 1996-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 <sup>1</sup> , race for non-Hispanic population, and sex	Total	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	Age not stated	Age-adjusted rate <sup>3</sup>
Hispanic - Con.														
Cuban .....	845.5	*	*	*	*	107.0	221.8	438.6	790.8	1,462.5	*	*	...	346.7
Male .....	869.2	*	*	*	*	*	307.5	*	*	*	*	*	...	451.8
Female .....	819.3	*	*	*	*	*	*	*	*	*	*	*	...	247.7
Other Hispanic <sup>6</sup> .....	323.1	648.9	32.0	22.0	89.1	121.4	177.0	293.1	673.8	1,466.9	3,761.4	*	...	332.2
Male .....	362.7	*	34.0	24.5	130.8	179.9	270.2	392.0	945.8	*	*	*	...	478.0
Female .....	283.4	*	29.8	18.9	39.3	58.9	91.8	202.1	483.0	1,114.0	*	*	...	238.4
Non-Hispanic <sup>4</sup> .....														
Male .....	931.0	769.5	39.0	21.7	88.2	126.2	222.1	449.3	1,108.2	2,566.9	5,866.2	15,524.9	...	496.2
Female .....	954.8	840.3	42.9	25.5	128.0	177.5	297.6	575.3	1,402.1	3,265.8	7,333.9	17,776.6	...	628.1
White .....	908.4	695.4	34.9	17.7	46.8	75.9	148.2	328.7	840.7	2,003.5	4,919.3	14,636.0	...	386.3
Male .....	973.4	599.4	32.1	19.3	74.8	104.4	186.7	399.4	1,038.9	2,496.7	5,815.0	15,745.5	...	466.7
Female .....	982.1	654.6	36.2	22.5	105.6	147.2	252.3	509.0	1,308.7	3,181.1	7,274.5	18,110.1	...	589.5
Black .....	965.0	541.1	27.8	15.9	42.4	61.7	121.1	292.0	787.6	1,937.1	4,868.1	14,826.1	...	364.1
Male .....	875.0	1,681.5	70.2	33.1	156.0	262.2	480.3	899.7	1,832.2	3,544.6	6,944.4	14,346.7	...	758.4
Female .....	978.7	1,844.0	74.5	39.5	242.6	376.4	653.7	1,228.3	2,456.5	4,535.8	8,871.1	16,058.6	...	995.5
Total .....	781.8	1,515.9	65.8	26.6	69.3	160.0	329.2	628.9	1,352.5	2,837.7	5,842.1	13,634.4	...	575.4

... Category not applicable.

\* Quantity zero.

<sup>1</sup> Figure does not meet standards of reliability or precision; see Technical notes.

<sup>2</sup> Hispanic origin data exclude Oklahoma; see Technical notes.

<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> Includes races other than white and black.

<sup>6</sup> Includes deaths for which Hispanic origin was not reported on the death certificate.

<sup>7</sup> Includes Central and South American and Other and Unknown Hispanic.

**Table 4. Abridged life table for the total population, 1996**[For explanation of the columns of the life table, see section 6 of *Vital Statistics of the United States, 1992, Volume II*]

Age interval  Period of life between two exact ages stated in years (1)  $x$ to $x+n$	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) $nq_x$	Number living at beginning of age interval (3) $l_x$	Number dying during age interval (4) $n^d x$	In the age interval (5) $n^L x$	In this and all subsequent age intervals (6) $T_x$	Average number of years of life remaining at beginning of age interval (7) ${}^o e_x$
0-1 .....	0.00732	100,000	732	99,370	7,611,825	76.1
1-5 .....	0.00151	99,268	150	396,721	7,512,455	75.7
5-10 .....	0.00097	99,118	96	495,329	7,115,734	71.8
10-15 .....	0.00118	99,022	117	494,883	6,620,405	66.9
15-20 .....	0.00390	98,905	386	493,650	6,125,522	61.9
20-25 .....	0.00506	98,519	499	491,372	5,631,872	57.2
25-30 .....	0.00544	98,020	533	488,766	5,140,500	52.4
30-35 .....	0.00710	97,487	692	485,746	4,651,734	47.7
35-40 .....	0.00944	96,795	914	481,820	4,165,988	43.0
40-45 .....	0.01283	95,881	1,230	476,549	3,684,168	38.4
45-50 .....	0.01801	94,651	1,705	469,305	3,207,619	33.9
50-55 .....	0.02733	92,946	2,540	458,779	2,738,314	29.5
55-60 .....	0.04177	90,406	3,776	443,132	2,279,535	25.2
60-65 .....	0.06649	86,630	5,760	419,530	1,836,403	21.2
65-70 .....	0.09663	80,870	7,814	385,659	1,416,873	17.5
70-75 .....	0.14556	73,056	10,634	339,620	1,031,214	14.1
75-80 .....	0.21060	62,422	13,146	280,047	691,594	11.1
80-85 .....	0.31754	49,276	15,647	207,474	411,547	8.4
85 and over .....	1.00000	33,629	33,629	204,073	204,073	6.1

**Table 5. Life expectancy at selected ages by race and sex: United States, 1996**

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 .....	76.1	73.1	79.1	76.8	73.9	79.7	72.6	68.9	76.1	70.2	66.1	74.2
1 .....	75.7	72.6	78.6	76.3	73.4	79.1	72.5	68.8	76.0	70.3	66.2	74.2
5 .....	71.8	68.8	74.7	72.4	69.5	75.2	68.7	64.9	72.1	66.5	62.4	70.3
10 .....	66.9	63.8	69.8	67.4	64.5	70.2	63.8	60.0	67.2	61.6	57.5	65.4
15 .....	61.9	58.9	64.8	62.5	59.6	65.3	58.9	55.1	62.3	56.7	52.6	60.5
20 .....	57.2	54.2	60.0	57.7	54.9	60.4	54.2	50.6	57.4	52.0	48.0	55.7
25 .....	52.4	49.6	55.1	53.0	50.2	55.6	49.5	46.1	52.6	47.4	43.7	50.9
30 .....	47.7	45.0	50.3	48.2	45.6	50.7	45.0	41.7	47.9	42.9	39.4	46.2
35 .....	43.0	40.4	45.5	43.5	40.9	45.9	40.5	37.3	43.2	38.5	35.1	41.6
40 .....	38.4	35.9	40.7	38.8	36.4	41.1	36.1	33.1	38.7	34.2	31.0	37.1
45 .....	33.9	31.5	36.1	34.2	31.9	36.4	31.8	29.0	34.2	30.1	27.1	32.8
50 .....	29.5	27.2	31.5	29.7	27.5	31.7	27.7	25.1	29.9	26.2	23.4	28.5
55 .....	25.2	23.1	27.1	25.4	23.3	27.3	23.8	21.4	25.7	22.4	19.9	24.5
60 .....	21.2	19.2	22.9	21.4	19.4	23.0	20.1	18.0	21.8	18.9	16.7	20.7
65 .....	17.5	15.7	19.0	17.6	15.8	19.1	16.7	14.9	18.1	15.8	13.9	17.2
70 .....	14.1	12.6	15.3	14.2	12.6	15.4	13.6	12.0	14.7	12.8	11.2	13.9
75 .....	11.1	9.8	12.0	11.1	9.8	12.0	10.9	9.7	11.7	10.3	9.0	11.2
80 .....	8.4	7.3	8.9	8.3	7.3	8.9	8.4	7.5	8.9	8.0	7.0	8.5
85 .....	6.1	5.4	6.4	6.0	5.3	6.3	6.3	5.7	6.6	6.0	5.3	6.2

**Table 6. Life expectancy at birth by race and sex: United States, 1940, 1950, 1960, and 1970–96**

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
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
1974	72.0	68.2	75.9	72.8	69.0	76.7	67.1	62.9	71.3	66.0	61.7	70.3
1973	71.4	67.6	75.3	72.2	68.5	76.1	66.1	62.0	70.3	65.0	60.9	69.3
1972 <sup>1</sup>	71.2	67.4	75.1	72.0	68.3	75.9	65.7	61.5	70.1	64.7	60.4	69.1
1971	71.1	67.4	75.0	72.0	68.3	75.8	65.6	61.6	69.8	64.6	60.5	68.9
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.

<sup>1</sup> Deaths based on a 50-percent sample.

**Table 7. Death rates and age-adjusted death rates for the 15 leading causes of death and selected components in 1996: United States, 1979, 1995, and 1996**

[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)	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	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
	1995	880.0	768.8	40.6	22.5	95.3	141.3	240.8	460.1	1,114.5	2,563.5	5,851.8	15,469.5	503.9
	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)	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
	1995	280.7	17.1	1.6	0.8	2.9	8.5	32.0	111.0	322.9	799.9	2,064.7	6,484.1	138.3
	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)	1996	1.9	*	*	*	0.1	0.2	0.5	1.0	2.6	6.4	14.3	25.3	1.1
	1995	2.0	*	*	*	0.1	0.2	0.5	1.0	2.8	6.6	15.1	26.8	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)	1996	9.9	*	*	*	0.1	0.5	2.0	6.5	14.2	25.6	62.6	212.8	5.2
	1995	9.5	*	*	*	*	0.4	2.0	6.3	13.6	26.0	61.3	204.1	5.1
	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)	1996	0.9	*	*	*	*	*	0.1	0.3	1.0	2.1	7.2	23.8	0.4
	1995	0.9	*	*	*	*	*	0.1	0.3	0.9	2.3	7.8	23.1	0.4
	1979	1.6	*	*	*	*	*	0.2	0.4	1.4	5.1	16.8	50.9	0.9
Ischemic heart disease (410-414)	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
	1995	183.2	0.5	*	*	0.3	2.6	16.2	67.6	209.9	544.1	1,391.2	4,152.2	89.5
	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)	1996	80.5	*	*	*	0.2	1.4	8.4	36.9	111.4	262.1	608.0	1,465.1	42.0
	1995	83.1	*	*	*	0.2	1.4	8.9	38.5	115.8	274.9	634.5	1,517.6	43.8
	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)	1996	1.1	*	*	*	*	*	0.3	0.8	1.9	3.3	6.3	19.8	0.6
	1995	1.0	*	*	*	*	*	0.2	0.8	1.9	3.2	6.1	19.5	0.6
	1979	2.1	*	*	*	*	0.1	0.5	2.0	4.8	8.2	15.3	30.2	1.5
Angina pectoris (413)	1996	0.3	*	*	*	*	*	*	0.1	0.2	0.8	2.2	8.7	0.1
	1995	0.3	*	*	*	*	*	*	0.1	0.3	0.9	2.2	9.2	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)	1996	97.6	*	*	*	0.1	1.1	6.9	27.6	90.5	259.9	735.6	2,511.4	44.0
	1995	98.8	*	*	*	0.1	1.2	7.1	28.2	91.9	265.1	748.5	2,605.8	44.9
	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)	1996	6.5	*	*	*	0.1	0.2	0.6	1.4	4.1	13.2	50.4	191.9	2.7
	1995	6.2	*	*	*	0.1	0.2	0.6	1.4	4.0	13.1	49.9	179.3	2.6
	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)	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
	1995	78.9	16.1	1.5	0.7	2.3	4.9	12.5	34.4	91.9	207.8	539.4	1,898.7	39.5
	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)	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
	1995	204.9	1.8	3.1	2.7	4.6	11.9	40.3	142.2	416.0	868.2	1,364.8	1,823.8	129.9
	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)	1996	3.0	*	*	*	0.1	0.2	0.7	3.0	8.2	12.1	14.7	20.1	2.1
	1995	3.1	*	*	*	0.1	0.1	0.7	3.3	8.3	12.7	15.3	22.3	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 1996: United States, 1979, 1995, and 1996-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)	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)	1996	47.7	*	*	*	0.3	1.6	7.1	28.2	89.0	195.2	334.8	525.4	28.5
	1995	48.2	*			0.3	1.6	7.2	29.0	92.1	197.5	340.6	531.6	29.1
	1979	48.6	*	0.2	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)	1996	59.3	*	*	*	0.1	0.8	6.5	38.5	144.3	305.2	375.1	290.9	39.3
	1995	59.5	*	*	*	0.1	0.7	6.4	39.8	148.2	306.1	372.7	294.0	39.7
	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)	1996	16.4	*	*	*	*	1.3	7.2	19.9	35.6	55.5	85.8	147.8	11.0
	1995	16.8	*	*	*	*	1.3	7.6	21.3	37.0	57.9	87.7	147.8	11.5
	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)	1996	22.6	*	*	*	0.2	1.4	3.6	9.8	30.0	84.6	183.9	304.6	12.5
	1995	23.0	*	*	*	0.3	1.3	3.7	10.3	30.7	86.0	188.6	317.0	12.8
	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)	1996	8.7	*	*	0.1	0.1	0.2	1.0	4.8	15.0	34.6	63.9	103.0	5.1
	1995	8.6	*	0.1	0.1	0.1	0.2	1.1	4.9	15.2	33.6	65.0	103.1	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)	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
	1995	25.0	0.9	1.7	1.3	1.9	3.4	8.0	21.0	50.2	95.6	149.8	210.9	16.7
	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)	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
	1995	7.7	0.6	1.0	1.0	1.2	1.4	2.0	4.1	11.4	27.1	53.6	81.6	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)	1996	13.0	*	*	0.2	0.7	1.8	3.4	8.2	23.0	51.3	93.2	113.8	8.2
	1995	13.0	*	*	0.2	0.7	1.9	3.6	8.6	22.9	51.7	91.6	115.5	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)	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
	1995	60.1	5.8	0.4	0.2	0.5	1.8	6.5	17.6	46.1	137.2	481.4	1,636.5	26.7
	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)	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
	1995	39.2	1.1	0.2	0.4	0.7	0.9	2.0	8.9	47.3	160.6	351.8	527.8	20.8
	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)	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
	1995	35.5	20.5	14.5	9.3	38.5	32.9	33.5	29.8	31.9	44.8	98.4	268.2	30.5
	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)	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
	1995	16.5	4.7	5.2	5.4	29.5	19.8	15.4	13.9	14.6	17.6	28.6	31.4	16.3
	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)	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
	1995	19.0	15.8	9.2	3.9	9.0	13.1	18.1	15.9	17.3	27.2	69.8	236.8	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 1996: United States, 1979, 1995, and 1996-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)	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	
Pneumonia and influenza (480-487)	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
	1995	31.6	12.8	1.0	0.3	0.6	1.5	3.5	6.7	16.4	57.2	233.2	1,035.7	12.9
	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
Diabetes mellitus (250)	1996	23.3	*	*	0.1	0.4	1.6	4.3	13.2	39.5	88.7	166.1	288.0	13.6
	1995	22.6	*	*	*	0.4	1.5	4.3	12.9	38.7	86.5	162.7	278.0	13.3
	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
Human immunodeficiency virus infection (*042-*044)	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
	1995	16.4	1.5	1.3	0.5	1.7	29.1	44.4	26.3	11.0	3.6	0.7	*	15.6
	1979	---	---	---	---	---	---	---	---	---	---	---	---	---
Suicide (E950-E959)	1996	11.6	...	...	0.8	12.0	14.5	15.5	14.9	13.7	15.0	20.0	20.2	10.8
	1995	11.9	...	...	0.9	13.3	15.4	15.2	14.6	13.3	15.8	20.7	21.6	11.2
	1979	12.1	...	...	0.4	12.4	16.3	15.4	16.5	16.6	17.8	20.8	17.9	11.7
Chronic liver disease and cirrhosis (571)	1996	9.4	*	*	*	0.1	1.4	8.4	16.8	24.9	30.7	30.7	21.4	7.5
	1995	9.6	0.6	*	*	0.1	1.5	8.7	16.9	25.3	31.5	31.3	22.9	7.6
	1979	13.2	1.0	*	*	0.2	3.4	13.9	31.0	40.9	41.8	28.3	18.1	12.0
Nephritis, nephrotic syndrome, and nephrosis (580-589)	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
	1995	9.0	4.0	*	0.1	0.2	0.5	1.2	2.6	8.2	24.5	72.5	207.1	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
Septicemia (038)	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
	1995	8.0	5.7	0.5	0.1	0.2	0.7	1.5	3.1	8.2	21.2	59.5	173.1	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
Alzheimer's disease <sup>2</sup> (331.0)	1996	8.1	*	*	*	*	*	*	0.1	1.3	11.0	72.8	284.7	2.7
	1995	7.8	*	*	*	*	*	*	0.1	1.6	11.1	73.4	274.7	2.7
	1979	0.4	*	*	*	*	*	*	0.1	0.8	2.1	3.0	4.3	0.2
Homicide and legal intervention (E960-E978)	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
	1995	8.7	8.1	2.9	1.5	20.3	15.1	9.7	6.2	4.5	3.3	3.1	3.3	9.4
	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
Atherosclerosis (440)	1996	6.3	*	*	*	*	*	0.1	0.6	2.7	10.1	43.0	241.7	2.2
	1995	6.4	*	*	*	*	*	0.1	0.6	2.8	10.2	45.2	246.4	2.3
	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.

--- Data not available.

... 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.

**Table 8. Deaths and death rates for the 10 leading causes of death in specified age groups, by race and sex: United States, 1996**

[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 <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, 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>		
<b>All races<sup>3</sup>, both sexes, all ages<sup>4</sup></b>			<b>All races<sup>3</sup>, both sexes, 15-24 years</b>				
...	All causes .....	2,314,690	872.5	...	All causes .....	32,443	89.6
1	Diseases of heart (390-398,402,404-429) .....	733,361	276.4	1	Accidents and adverse effects (E800-E949) .....	13,809	38.1
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	539,533	203.4	...	Motor vehicle accidents (E810-E825) .....	10,576	29.2
3	Cerebrovascular diseases (430-438) .....	159,942	60.3	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	3,233	8.9
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	106,027	40.0	2	Homicide and legal intervention (E960-E978) .....	6,548	18.1
5	Accidents and adverse effects (E800-E949) .....	94,948	35.8	3	Suicide (E950-E959) .....	4,358	12.0
...	Motor vehicle accidents (E810-E825) .....	43,649	16.5	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	1,632	4.5
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	51,299	19.3	5	Diseases of heart (390-398,402,404-429) .....	969	2.7
6	Pneumonia and influenza (480-487) .....	83,727	31.6	6	Human immunodeficiency virus infection (*042-*044) .....	413	1.1
7	Diabetes mellitus (250) .....	61,767	23.3	7	Congenital anomalies (740-759) .....	382	1.1
8	Human immunodeficiency virus infection (*042-*044) .....	31,130	11.7	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	237	0.7
9	Suicide (E950-E959) .....	30,903	11.6	9	Pneumonia and influenza (480-487) .....	203	0.6
10	Chronic liver disease and cirrhosis (571) .....	25,047	9.4	10	Cerebrovascular diseases (430-438) .....	167	0.5
...	All other causes (Residual) .....	448,305	169.0	...	All other causes (Residual) .....	3,725	10.3
<b>All races<sup>3</sup>, both sexes, 1-4 years</b>			<b>All races<sup>3</sup>, both sexes, 25-44 years</b>				
...	All causes .....	5,948	38.3	...	All causes .....	147,180	175.7
1	Accidents and adverse effects (E800-E949) .....	2,147	13.8	1	Accidents and adverse effects (E800-E949) .....	27,092	32.3
...	Motor vehicle accidents (E810-E825) .....	820	5.3	...	Motor vehicle accidents (E810-E825) .....	14,482	17.3
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,327	8.6	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	12,610	15.1
2	Congenital anomalies (740-759) .....	638	4.1	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	21,894	26.1
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	424	2.7	3	Human immunodeficiency virus infection (*042-*044) .....	21,685	25.9
4	Homicide and legal intervention (E960-E978) .....	420	2.7	4	Diseases of heart (390-398,402,404-429) .....	16,567	19.8
5	Diseases of heart (390-398,402,404-429) .....	217	1.4	5	Suicide (E950-E959) .....	12,602	15.0
6	Pneumonia and influenza (480-487) .....	168	1.1	6	Homicide and legal intervention (E960-E978) .....	9,322	11.1
7	Human immunodeficiency virus infection (*042-*044) .....	147	0.9	7	Chronic liver disease and cirrhosis (571) .....	4,210	5.0
8	Septicemia (038) .....	83	0.5	8	Cerebrovascular diseases (430-438) .....	3,442	4.1
9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	70	0.5	9	Diabetes mellitus (250) .....	2,526	3.0
10	Certain conditions originating in the perinatal period (760-779) .....	60	0.4	10	Pneumonia and influenza (480-487) .....	2,029	2.4
...	All other causes (Residual) .....	1,574	10.1	...	All other causes (Residual) .....	25,811	30.8
<b>All races<sup>3</sup>, both sexes, 5-14 years</b>			<b>All races<sup>3</sup>, both sexes, 45-64 years</b>				
...	All causes .....	8,330	21.7	...	All causes .....	378,054	703.6
1	Accidents and adverse effects (E800-E949) .....	3,433	8.9	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	131,455	244.7
...	Motor vehicle accidents (E810-E825) .....	1,980	5.2	2	Diseases of heart (390-398,402,404-429) .....	102,369	190.5
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,453	3.8	3	Accidents and adverse effects (E800-E949) .....	16,717	31.1
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	1,028	2.7	...	Motor vehicle accidents (E810-E825) .....	7,749	14.4
3	Homicide and legal intervention (E960-E978) .....	514	1.3	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	8,968	16.7
4	Congenital anomalies (740-759) .....	457	1.2	4	Cerebrovascular diseases (430-438) .....	15,468	28.8
5	Diseases of heart (390-398,402,404-429) .....	334	0.9	5	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	12,847	23.9
6	Suicide (E950-E959) .....	302	0.8	6	Diabetes mellitus (250) .....	12,687	23.6
7	Human immunodeficiency virus infection (*042-*044) .....	177	0.5	7	Chronic liver disease and cirrhosis (571) .....	10,743	20.0
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	165	0.4	8	Human immunodeficiency virus infection (*042-*044) .....	8,053	15.0
9	Pneumonia and influenza (480-487) .....	136	0.4	9	Suicide (E950-E959) .....	7,762	14.4
10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	85	0.2	10	Pneumonia and influenza (480-487) .....	5,706	10.6
...	All other causes (Residual) .....	1,699	4.4	...	All other causes (Residual) .....	54,247	101.0

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, 1996—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 <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), 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 .....	1,713,725	5,061.1	...	All causes .....	5,003	25.4
1	Diseases of heart (390-398,402,404-429) .....	612,199	1,808.0	1	Accidents and adverse effects (E800-E949) .....	2,183	11.1
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	382,988	1,131.1	...	Motor vehicle accidents (E810-E825) .....	1,188	6.0
3	Cerebrovascular diseases (430-438) .....	140,488	414.9	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	995	5.1
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	91,470	270.1	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	582	3.0
5	Pneumonia and influenza (480-487) .....	74,979	221.4	3	Homicide and legal intervention (E960-E978) .....	311	1.6
6	Diabetes mellitus (250) .....	46,376	137.0	4	Congenital anomalies (740-759) .....	273	1.4
7	Accidents and adverse effects (E800-E949) .....	30,830	91.0	5	Suicide (E950-E959) .....	225	1.1
...	Motor vehicle accidents (E810-E825) .....	7,784	23.0	6	Diseases of heart (390-398,402,404-429) .....	181	0.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	23,046	68.1	7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	97	0.5
8	Alzheimer's disease (331.0) .....	21,077	62.2	8	Human immunodeficiency virus infection (*042-*044) .....	96	0.5
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	20,869	61.6	9	Pneumonia and influenza (480-487) .....	69	0.4
10	Septicemia (038) .....	17,337	51.2	10	Cerebrovascular diseases (430-438) .....	48	0.2
...	All other causes (Residual) .....	275,112	812.5	...	All other causes (Residual) .....	938	4.8
All races <sup>3</sup> , male, all ages <sup>4</sup>				All races <sup>3</sup> , male, 15-24 years			
...	All causes .....	1,163,569	896.4	...	All causes .....	24,313	130.6
1	Diseases of heart (390-398,402,404-429) .....	360,075	277.4	1	Accidents and adverse effects (E800-E949) .....	10,273	55.2
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	281,898	217.2	...	Motor vehicle accidents (E810-E825) .....	7,573	40.7
3	Cerebrovascular diseases (430-438) .....	62,475	48.1	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,700	14.5
4	Accidents and adverse effects (E800-E949) .....	61,589	47.4	2	Homicide and legal intervention (E960-E978) .....	5,655	30.4
...	Motor vehicle accidents (E810-E825) .....	29,123	22.4	3	Suicide (E950-E959) .....	3,724	20.0
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	32,466	25.0	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	955	5.1
5	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	54,485	42.0	5	Diseases of heart (390-398,402,404-429) .....	616	3.3
6	Pneumonia and influenza (480-487) .....	37,991	29.3	6	Human immunodeficiency virus infection (*042-*044) .....	243	1.3
7	Diabetes mellitus (250) .....	27,646	21.3	7	Congenital anomalies (740-759) .....	231	1.2
8	Human immunodeficiency virus infection (*042-*044) .....	25,277	19.5	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	131	0.7
9	Suicide (E950-E959) .....	24,998	19.3	9	Pneumonia and influenza (480-487) .....	106	0.6
10	Chronic liver disease and cirrhosis (571) .....	16,311	12.6	10	Cerebrovascular diseases (430-438) .....	96	0.5
...	All other causes (Residual) .....	210,824	162.4	...	All other causes (Residual) .....	2,283	12.3
All races <sup>3</sup> , male, 1-4 years				All races <sup>3</sup> , male, 25-44 years			
...	All causes .....	3,349	42.2	...	All causes .....	100,374	240.4
1	Accidents and adverse effects (E800-E949) .....	1,290	16.2	1	Accidents and adverse effects (E800-E949) .....	20,273	48.5
...	Motor vehicle accidents (E810-E825) .....	455	5.7	...	Motor vehicle accidents (E810-E825) .....	10,262	24.6
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	835	10.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	10,011	24.0
2	Congenital anomalies (740-759) .....	325	4.1	2	Human immunodeficiency virus infection (*042-*044) .....	17,505	41.9
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	246	3.1	3	Diseases of heart (390-398,402,404-429) .....	11,765	28.2
4	Homicide and legal intervention (E960-E978) .....	214	2.7	4	Suicide (E950-E959) .....	10,148	24.3
5	Diseases of heart (390-398,402,404-429) .....	111	1.4	5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	9,996	23.9
6	Pneumonia and influenza (480-487) .....	91	1.1	6	Homicide and legal intervention (E960-E978) .....	7,235	17.3
7	Human immunodeficiency virus infection (*042-*044) .....	74	0.9	7	Chronic liver disease and cirrhosis (571) .....	2,996	7.2
8	Septicemia (038) .....	47	0.6	8	Cerebrovascular diseases (430-438) .....	1,796	4.3
9	Certain conditions originating in the perinatal period (760-779) .....	44	0.6	9	Diabetes mellitus (250) .....	1,506	3.6
10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	39	0.5	10	Pneumonia and influenza (480-487) .....	1,233	3.0
...	All other causes (Residual) .....	868	10.9	...	All other causes (Residual) .....	15,921	38.1

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, 1996—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 <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), 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 .....	232,041	892.4	...	All causes .....	2,599	34.3
1	Diseases of heart (390-398,402,404-429) .....	71,764	276.0	1	Accidents and adverse effects (E800-E949) .....	857	11.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	69,965	269.1	...	Motor vehicle accidents (E810-E825) .....	365	4.8
3	Accidents and adverse effects (E800-E949) .....	11,826	45.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	492	6.5
...	Motor vehicle accidents (E810-E825) .....	5,145	19.8	2	Congenital anomalies (740-759) .....	313	4.1
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	6,681	25.7	3	Homicide and legal intervention (E960-E978) .....	206	2.7
4	Cerebrovascular diseases (430-438) .....	8,495	32.7	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	178	2.3
5	Chronic liver disease and cirrhosis (571) .....	7,708	29.6	5	Diseases of heart (390-398,402,404-429) .....	106	1.4
6	Human immunodeficiency virus infection (*042-*044) .....	6,835	26.3	6	Pneumonia and influenza (480-487) .....	77	1.0
7	Diabetes mellitus (250) .....	6,802	26.2	7	Human immunodeficiency virus infection (*042-*044) .....	73	1.0
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	6,715	25.8	8	Septicemia (038) .....	36	0.5
9	Suicide (E950-E959) .....	5,990	23.0	9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	31	0.4
10	Pneumonia and influenza (480-487) .....	3,466	13.3	10	Cerebrovascular diseases (430-438) .....	25	0.3
...	All other causes (Residual) .....	32,475	124.9	...	All other causes (Residual) .....	697	9.2
All races <sup>3</sup> , male, 65 years and over				All races <sup>3</sup> , female, 5-14 years			
...	All causes .....	782,151	5,634.7	...	All causes .....	3,327	17.8
1	Diseases of heart (390-398,402,404-429) .....	275,249	1,982.9	1	Accidents and adverse effects (E800-E949) .....	1,250	6.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	200,096	1,441.5	...	Motor vehicle accidents (E810-E825) .....	792	4.2
3	Cerebrovascular diseases (430-438) .....	51,887	373.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	458	2.4
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	46,915	338.0	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	446	2.4
5	Pneumonia and influenza (480-487) .....	32,721	235.7	3	Homicide and legal intervention (E960-E978) .....	203	1.1
6	Diabetes mellitus (250) .....	19,244	138.6	4	Congenital anomalies (740-759) .....	184	1.0
7	Accidents and adverse effects (E800-E949) .....	15,197	109.5	5	Diseases of heart (390-398,402,404-429) .....	153	0.8
...	Motor vehicle accidents (E810-E825) .....	4,355	31.4	6	Human immunodeficiency virus infection (*042-*044) .....	81	0.4
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	10,842	78.1	7	Suicide (E950-E959) .....	77	0.4
8	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	9,673	69.7	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	68	0.4
9	Septicemia (038) .....	6,914	49.8	9	Pneumonia and influenza (480-487) .....	67	0.4
10	Alzheimer's disease (331.0) .....	6,835	49.2	10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	46	0.2
...	All other causes (Residual) .....	117,420	845.9	...	All other causes (Residual) .....	752	4.0
All races <sup>3</sup> , female, all ages <sup>4</sup>				All races <sup>3</sup> , female, 15-24 years			
...	All causes .....	1,151,121	849.7	...	All causes .....	8,130	46.2
1	Diseases of heart (390-398,402,404-429) .....	373,286	275.5	1	Accidents and adverse effects (E800-E949) .....	3,536	20.1
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	257,635	190.2	...	Motor vehicle accidents (E810-E825) .....	3,003	17.1
3	Cerebrovascular diseases (430-438) .....	97,467	71.9	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	533	3.0
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	51,542	38.0	2	Homicide and legal intervention (E960-E978) .....	893	5.1
5	Pneumonia and influenza (480-487) .....	45,736	33.8	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	677	3.8
6	Diabetes mellitus (250) .....	34,121	25.2	4	Suicide (E950-E959) .....	634	3.6
7	Accidents and adverse effects (E800-E949) .....	33,359	24.6	5	Diseases of heart (390-398,402,404-429) .....	353	2.0
...	Motor vehicle accidents (E810-E825) .....	14,526	10.7	6	Human immunodeficiency virus infection (*042-*044) .....	170	1.0
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	18,833	13.9	7	Congenital anomalies (740-759) .....	151	0.9
8	Alzheimer's disease (331.0) .....	14,426	10.6	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	106	0.6
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	12,662	9.3	9	Pneumonia and influenza (480-487) .....	97	0.6
10	Septicemia (038) .....	12,177	9.0	10	Cerebrovascular diseases (430-438) .....	71	0.4
...	All other causes (Residual) .....	218,710	161.4	...	All other causes (Residual) .....	1,442	8.2

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, 1996—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 <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), 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 .....	46,806	111.4	...	All causes .....	1,992,966	906.9
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	11,898	28.3	1	Diseases of heart (390-398,402,404-429) .....	645,514	293.8
2	Accidents and adverse effects (E800-E949) .....	6,819	16.2	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	469,406	213.6
...	Motor vehicle accidents (E810-E825) .....	4,220	10.0	3	Cerebrovascular diseases (430-438) .....	138,296	62.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,599	6.2	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	97,889	44.5
3	Diseases of heart (390-398,402,404-429) .....	4,802	11.4	5	Accidents and adverse effects (E800-E949) .....	79,405	36.1
4	Human immunodeficiency virus infection (*042-*044) .....	4,180	10.0	...	Motor vehicle accidents (E810-E825) .....	36,452	16.6
5	Suicide (E950-E959) .....	2,454	5.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	42,953	19.5
6	Homicide and legal intervention (E960-E978) .....	2,087	5.0	6	Pneumonia and influenza (480-487) .....	74,194	33.8
7	Cerebrovascular diseases (430-438) .....	1,646	3.9	7	Diabetes mellitus (250) .....	49,511	22.5
8	Chronic liver disease and cirrhosis (571) .....	1,214	2.9	8	Suicide (E950-E959) .....	27,856	12.7
9	Diabetes mellitus (250) .....	1,020	2.4	9	Chronic liver disease and cirrhosis (571) .....	21,422	9.7
10	Pneumonia and influenza (480-487) .....	796	1.9	10	Alzheimer's disease (331.0) .....	20,198	9.2
...	All other causes (Residual) .....	9,890	23.5	...	All other causes (Residual) .....	369,275	168.0
All races <sup>3</sup> , female, 45-64 years				White, both sexes, 1-4 years			
...	All causes .....	146,013	526.6	...	All causes .....	4,041	32.9
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	61,490	221.8	1	Accidents and adverse effects (E800-E949) .....	1,513	12.3
2	Diseases of heart (390-398,402,404-429) .....	30,605	110.4	...	Motor vehicle accidents (E810-E825) .....	588	4.8
3	Cerebrovascular diseases (430-438) .....	6,973	25.1	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	925	7.5
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	6,132	22.1	2	Congenital anomalies (740-759) .....	456	3.7
5	Diabetes mellitus (250) .....	5,885	21.2	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	344	2.8
6	Accidents and adverse effects (E800-E949) .....	4,891	17.6	4	Homicide and legal intervention (E960-E978) .....	225	1.8
...	Motor vehicle accidents (E810-E825) .....	2,604	9.4	5	Diseases of heart (390-398,402,404-429) .....	135	1.1
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,287	8.2	6	Pneumonia and influenza (480-487) .....	109	0.9
7	Chronic liver disease and cirrhosis (571) .....	3,035	10.9	7	Septicemia (038) .....	52	0.4
8	Pneumonia and influenza (480-487) .....	2,240	8.1	8	Human immunodeficiency virus infection (*042-*044) .....	51	0.4
9	Suicide (E950-E959) .....	1,772	6.4	9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	49	0.4
10	Human immunodeficiency virus infection (*042-*044) .....	1,218	4.4	10	Cerebrovascular diseases (430-438) .....	34	0.3
...	All other causes (Residual) .....	21,772	78.5	...	All other causes (Residual) .....	1,073	8.7
All races <sup>3</sup> , female, 65 years and over				White, both sexes, 5-14 years			
...	All causes .....	931,574	4,662.5	...	All causes .....	6,045	19.9
1	Diseases of heart (390-398,402,404-429) .....	336,950	1,686.4	...	Accidents and adverse effects (E800-E949) .....	2,536	8.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	182,892	915.4	...	Motor vehicle accidents (E810-E825) .....	1,559	5.1
3	Cerebrovascular diseases (430-438) .....	88,601	443.4	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	977	3.2
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	44,555	223.0	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	825	2.7
5	Pneumonia and influenza (480-487) .....	42,258	211.5	3	Congenital anomalies (740-759) .....	338	1.1
6	Diabetes mellitus (250) .....	27,132	135.8	4	Homicide and legal intervention (E960-E978) .....	296	1.0
7	Accidents and adverse effects (E800-E949) .....	15,633	78.2	5	Suicide (E950-E959) .....	248	0.8
...	Motor vehicle accidents (E810-E825) .....	3,429	17.2	6	Diseases of heart (390-398,402,404-429) .....	226	0.7
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	12,204	61.1	7	Pneumonia and influenza (480-487) .....	101	0.3
8	Alzheimer's disease (331.0) .....	14,242	71.3	8	Human immunodeficiency virus infection (*042-*044) .....	78	0.3
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	11,196	56.0	9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	76	0.2
10	Septicemia (038) .....	10,423	52.2	10	Cerebrovascular diseases (430-438) .....	68	0.2
...	All other causes (Residual) .....	157,692	789.2	...	All other causes (Residual) .....	1,253	4.1

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, 1996—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 <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), 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 .....	22,943	79.5	...	All causes .....	1,535,028	5,071.7
1	Accidents and adverse effects (E800-E949) .....	11,401	39.5	1	Diseases of heart (390-398,402,404-429) .....	551,010	1,820.5
...	Motor vehicle accidents (E810-E825) .....	8,818	30.6	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	340,478	1,124.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,583	9.0	3	Cerebrovascular diseases (430-438) .....	124,802	412.3
2	Suicide (E950-E959) .....	3,639	12.6	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	85,711	283.2
3	Homicide and legal intervention (E960-E978) .....	2,546	8.8	5	Pneumonia and influenza (480-487) .....	67,952	224.5
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	1,267	4.4	6	Diabetes mellitus (250) .....	38,361	126.7
5	Diseases of heart (390-398,402,404-429) .....	610	2.1	7	Accidents and adverse effects (E800-E949) .....	27,771	91.8
6	Congenital anomalies (740-759) .....	302	1.0	...	Motor vehicle accidents (E810-E825) .....	6,982	23.1
7	Human immunodeficiency virus infection (*042-*044) .....	183	0.6	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	20,789	68.7
8	Pneumonia and influenza (480-487) .....	134	0.5	8	Alzheimer's disease (331.0) .....	19,905	65.8
9	Cerebrovascular diseases (430-438) .....	133	0.5	9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	17,475	57.7
10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	123	0.4	10	Atherosclerosis (440) .....	14,709	48.6
...	All other causes (Residual) .....	2,605	9.0	...	All other causes (Residual) .....	246,854	815.6
White, both sexes, 25-44 years				White, male, all ages <sup>4</sup>			
...	All causes .....	104,744	152.0	...	All causes .....	991,984	918.1
1	Accidents and adverse effects (E800-E949) .....	21,948	31.9	1	Diseases of heart (390-398,402,404-429) .....	316,889	293.3
...	Motor vehicle accidents (E810-E825) .....	11,783	17.1	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	243,952	225.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	10,165	14.8	3	Cerebrovascular diseases (430-438) .....	53,016	49.1
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	17,175	24.9	4	Accidents and adverse effects (E800-E949) .....	51,061	47.3
3	Human immunodeficiency virus infection (*042-*044) .....	11,788	17.1	...	Motor vehicle accidents (E810-E825) .....	24,214	22.4
4	Diseases of heart (390-398,402,404-429) .....	11,766	17.1	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	26,847	24.8
5	Suicide (E950-E959) .....	11,111	16.1	5	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	49,822	46.1
6	Homicide and legal intervention (E960-E978) .....	4,564	6.6	6	Pneumonia and influenza (480-487) .....	32,924	30.5
7	Chronic liver disease and cirrhosis (571) .....	3,312	4.8	7	Diabetes mellitus (250) .....	22,829	21.1
8	Cerebrovascular diseases (430-438) .....	2,201	3.2	8	Suicide (E950-E959) .....	22,547	20.9
9	Diabetes mellitus (250) .....	1,830	2.7	9	Human immunodeficiency virus infection (*042-*044) .....	14,662	13.6
10	Pneumonia and influenza (480-487) .....	1,314	1.9	10	Chronic liver disease and cirrhosis (571) .....	13,992	12.9
...	All other causes (Residual) .....	17,735	25.7	...	All other causes (Residual) .....	170,290	157.6
White, both sexes, 45-64 years				White, male, 1-4 years			
...	All causes .....	301,020	654.2	...	All causes .....	2,335	37.1
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	109,225	237.4	1	Accidents and adverse effects (E800-E949) .....	921	14.6
2	Diseases of heart (390-398,402,404-429) .....	81,288	176.7	...	Motor vehicle accidents (E810-E825) .....	327	5.2
3	Accidents and adverse effects (E800-E949) .....	13,593	29.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	594	9.4
...	Motor vehicle accidents (E810-E825) .....	6,521	14.2	2	Congenital anomalies (740-759) .....	243	3.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	7,072	15.4	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	205	3.3
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	11,165	24.3	4	Homicide and legal intervention (E960-E978) .....	122	1.9
5	Cerebrovascular diseases (430-438) .....	10,891	23.7	5	Diseases of heart (390-398,402,404-429) .....	78	1.2
6	Diabetes mellitus (250) .....	9,210	20.0	6	Pneumonia and influenza (480-487) .....	54	0.9
7	Chronic liver disease and cirrhosis (571) .....	8,887	19.3	7	Septicemia (038) .....	32	0.5
8	Suicide (E950-E959) .....	7,246	15.7	8	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	30	0.5
9	Human immunodeficiency virus infection (*042-*044) .....	4,382	9.5	9	Certain conditions originating in the perinatal period (760-779) .....	23	0.4
10	Pneumonia and influenza (480-487) .....	4,267	9.3	10	Human immunodeficiency virus infection (*042-*044) .....	21	0.3
...	All other causes (Residual) .....	40,866	88.8	...	All other causes (Residual) .....	606	9.6

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, 1996—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 <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
White, male, 5-14 years				White, male, 45-64 years			
...	All causes .....	3,621	23.2	...	All causes .....	186,047	826.4
1	Accidents and adverse effects (E800-E949) .....	1,585	10.1	1	Diseases of heart (390-398,402,404-429) .....	58,726	260.9
...	Motor vehicle accidents (E810-E825) .....	917	5.9	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	57,777	256.6
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	668	4.3	3	Accidents and adverse effects (E800-E949) .....	9,595	42.6
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	477	3.1	...	Motor vehicle accidents (E810-E825) .....	4,329	19.2
3	Congenital anomalies (740-759) .....	202	1.3	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	5,266	23.4
4	Suicide (E950-E959) .....	182	1.2	4	Chronic liver disease and cirrhosis (571) .....	6,445	28.6
5	Homicide and legal intervention (E960-E978) .....	177	1.1	5	Cerebrovascular diseases (430-438) .....	5,926	26.3
6	Diseases of heart (390-398,402,404-429) .....	118	0.8	6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	5,793	25.7
7	Pneumonia and influenza (480-487) .....	50	0.3	7	Suicide (E950-E959) .....	5,606	24.9
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	49	0.3	8	Diabetes mellitus (250) .....	5,197	23.1
9	Human immunodeficiency virus infection (*042-*044) .....	45	0.3	9	Human immunodeficiency virus infection (*042-*044) .....	3,926	17.4
10	Cerebrovascular diseases (430-438) .....	42	0.3	10	Pneumonia and influenza (480-487) .....	2,536	11.3
...	All other causes (Residual) .....	694	4.4	...	All other causes (Residual) .....	24,520	108.9
White, male, 15-24 years				White, male, 65 years and over			
...	All causes .....	16,989	113.9	...	All causes .....	699,421	5,616.2
1	Accidents and adverse effects (E800-E949) .....	8,454	56.7	1	Diseases of heart (390-398,402,404-429) .....	248,511	1,995.5
...	Motor vehicle accidents (E810-E825) .....	6,294	42.2	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	176,747	1,419.2
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,160	14.5	3	Cerebrovascular diseases (430-438) .....	45,671	366.7
2	Suicide (E950-E959) .....	3,109	20.9	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	43,537	349.6
3	Homicide and legal intervention (E960-E978) .....	2,091	14.0	5	Pneumonia and influenza (480-487) .....	29,231	234.7
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	754	5.1	6	Diabetes mellitus (250) .....	16,463	132.2
5	Diseases of heart (390-398,402,404-429) .....	392	2.6	7	Accidents and adverse effects (E800-E949) .....	13,543	108.7
6	Congenital anomalies (740-759) .....	186	1.2	...	Motor vehicle accidents (E810-E825) .....	3,876	31.1
7	Human immunodeficiency virus infection (*042-*044) .....	121	0.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	9,667	77.6
8	Cerebrovascular diseases (430-438) .....	77	0.5	8	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	8,267	66.4
9	Pneumonia and influenza (480-487) .....	73	0.5	9	Alzheimer's disease (331.0) .....	6,440	51.7
10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	63	0.4	10	Septicemia (038) .....	5,762	46.3
...	All other causes (Residual) .....	1,669	11.2	...	All other causes (Residual) .....	105,249	845.1
White, male, 25-44 years				White, female, all ages <sup>4</sup>			
...	All causes .....	72,733	209.5	...	All causes .....	1,000,982	896.2
1	Accidents and adverse effects (E800-E949) .....	16,576	47.7	1	Diseases of heart (390-398,402,404-429) .....	328,625	294.2
...	Motor vehicle accidents (E810-E825) .....	8,360	24.1	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	225,454	201.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	8,216	23.7	3	Cerebrovascular diseases (430-438) .....	85,280	76.3
2	Human immunodeficiency virus infection (*042-*044) .....	10,284	29.6	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	48,067	43.0
3	Suicide (E950-E959) .....	8,935	25.7	5	Pneumonia and influenza (480-487) .....	41,270	36.9
4	Diseases of heart (390-398,402,404-429) .....	8,802	25.4	6	Accidents and adverse effects (E800-E949) .....	28,344	25.4
5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	7,948	22.9	...	Motor vehicle accidents (E810-E825) .....	12,238	11.0
6	Homicide and legal intervention (E960-E978) .....	3,426	9.9	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	16,106	14.4
7	Chronic liver disease and cirrhosis (571) .....	2,426	7.0	7	Diabetes mellitus (250) .....	26,682	23.9
8	Cerebrovascular diseases (430-438) .....	1,191	3.4	8	Alzheimer's disease (331.0) .....	13,634	12.2
9	Diabetes mellitus (250) .....	1,109	3.2	9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	10,147	9.1
10	Pneumonia and influenza (480-487) .....	785	2.3	10	Septicemia (038) .....	9,883	8.8
...	All other causes (Residual) .....	11,251	32.4	...	All other causes (Residual) .....	183,596	164.4

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, 1996—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 <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
White, female, 1-4 years				White, female, 25-44 years			
...	All causes .....	1,706	28.5	...	All causes .....	32,011	93.6
1	Accidents and adverse effects (E800-E949) .....	592	9.9	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	9,227	27.0
...	Motor vehicle accidents (E810-E825) .....	261	4.4	2	Accidents and adverse effects (E800-E949) .....	5,372	15.7
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	331	5.5	...	Motor vehicle accidents (E810-E825) .....	3,423	10.0
2	Congenital anomalies (740-759) .....	213	3.6	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,949	5.7
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	139	2.3	3	Diseases of heart (390-398,402,404-429) .....	2,964	8.7
4	Homicide and legal intervention (E960-E978) .....	103	1.7	4	Suicide (E950-E959) .....	2,176	6.4
5	Diseases of heart (390-398,402,404-429) .....	57	1.0	5	Human immunodeficiency virus infection (*042-*044) .....	1,504	4.4
6	Pneumonia and influenza (480-487) .....	55	0.9	6	Homicide and legal intervention (E960-E978) .....	1,138	3.3
7	Human immunodeficiency virus infection (*042-*044) .....	30	0.5	7	Cerebrovascular diseases (430-438) .....	1,010	3.0
8	Meningococcal infection (036) .....	21	0.4	8	Chronic liver disease and cirrhosis (571) .....	886	2.6
9	Septicemia (038) .....	20	0.3	9	Diabetes mellitus (250) .....	721	2.1
10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	19	*	10	Pneumonia and influenza (480-487) .....	529	1.5
...	All other causes (Residual) .....	457	7.6	...	All other causes (Residual) .....	6,484	19.0
White, female, 5-14 years				White, female, 45-64 years			
...	All causes .....	2,424	16.4	...	All causes .....	114,973	489.3
1	Accidents and adverse effects (E800-E949) .....	951	6.4	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	51,448	219.0
...	Motor vehicle accidents (E810-E825) .....	642	4.3	2	Diseases of heart (390-398,402,404-429) .....	22,562	96.0
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	309	2.1	3	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	5,372	22.9
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	348	2.3	4	Cerebrovascular diseases (430-438) .....	4,965	21.1
3	Congenital anomalies (740-759) .....	136	0.9	5	Diabetes mellitus (250) .....	4,013	17.1
4	Homicide and legal intervention (E960-E978) .....	119	0.8	6	Accidents and adverse effects (E800-E949) .....	3,998	17.0
5	Diseases of heart (390-398,402,404-429) .....	108	0.7	...	Motor vehicle accidents (E810-E825) .....	2,192	9.3
6	Suicide (E950-E959) .....	66	0.4	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,806	7.7
7	Pneumonia and influenza (480-487) .....	51	0.3	7	Chronic liver disease and cirrhosis (571) .....	2,442	10.4
8	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	34	0.2	8	Pneumonia and influenza (480-487) .....	1,731	7.4
9	Human immunodeficiency virus infection (*042-*044) .....	33	0.2	9	Suicide (E950-E959) .....	1,640	7.0
10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	27	0.2	10	Septicemia (038) .....	836	3.6
...	All other causes (Residual) .....	551	3.7	...	All other causes (Residual) .....	15,966	67.9
White, female, 15-24 years				White, female, 65 years and over			
...	All causes .....	5,954	42.7	...	All causes .....	835,607	4,691.1
1	Accidents and adverse effects (E800-E949) .....	2,947	21.1	1	Diseases of heart (390-398,402,404-429) .....	302,499	1,698.2
...	Motor vehicle accidents (E810-E825) .....	2,524	18.1	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	163,731	919.2
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	423	3.0	3	Cerebrovascular diseases (430-438) .....	79,131	444.2
2	Suicide (E950-E959) .....	530	3.8	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	42,174	236.8
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	513	3.7	5	Pneumonia and influenza (480-487) .....	38,721	217.4
4	Homicide and legal intervention (E960-E978) .....	455	3.3	6	Diabetes mellitus (250) .....	21,898	122.9
5	Diseases of heart (390-398,402,404-429) .....	218	1.6	7	Accidents and adverse effects (E800-E949) .....	14,228	79.9
6	Congenital anomalies (740-759) .....	116	0.8	...	Motor vehicle accidents (E810-E825) .....	3,106	17.4
7	Human immunodeficiency virus infection (*042-*044) .....	62	0.4	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	11,122	62.4
8	Pneumonia and influenza (480-487) .....	61	0.4	8	Alzheimer's disease (331.0) .....	13,465	75.6
9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	60	0.4	9	Atherosclerosis (440) .....	9,434	53.0
10	Cerebrovascular diseases (430-438) .....	56	0.4	10	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	9,208	51.7
...	All other causes (Residual) .....	936	6.7	...	All other causes (Residual) .....	141,118	792.2

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, 1996—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 <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
<b>Black, both sexes, all ages<sup>4</sup></b>				<b>Black, both sexes, 15-24 years</b>			
...	All causes .....	282,089	842.0	...	All causes .....	8,252	150.1
1	Diseases of heart (390-398,402,404-429) .....	77,641	231.7	1	Homicide and legal intervention (E960-E978) .....	3,795	69.0
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	60,766	181.4	2	Accidents and adverse effects (E800-E949) .....	1,838	33.4
3	Cerebrovascular diseases (430-438) .....	18,481	55.2	...	Motor vehicle accidents (E810-E825) .....	1,335	24.3
4	Human immunodeficiency virus infection (*042-*044) .....	13,997	41.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	503	9.2
5	Accidents and adverse effects (E800-E949) .....	12,655	37.8	3	Suicide (E950-E959) .....	523	9.5
...	Motor vehicle accidents (E810-E825) .....	5,528	16.5	4	Diseases of heart (390-398,402,404-429) .....	328	6.0
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	7,127	21.3	5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	295	5.4
6	Diabetes mellitus (250) .....	10,800	32.2	6	Human immunodeficiency virus infection (*042-*044) .....	227	4.1
7	Homicide and legal intervention (E960-E978) .....	9,983	29.8	7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	104	1.9
8	Pneumonia and influenza (480-487) .....	7,963	23.8	8	Anemias (280-285) .....	65	1.2
9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	6,924	20.7	9	Pneumonia and influenza (480-487) .....	64	1.2
10	Certain conditions originating in the perinatal period (760-779) .....	4,711	14.1	9	Congenital anomalies (740-759) .....	64	1.2
...	All other causes (Residual) .....	58,168	173.6	...	All other causes (Residual) .....	949	17.3
<b>Black, both sexes, 1-4 years</b>				<b>Black, both sexes, 25-44 years</b>			
...	All causes .....	1,623	67.6	...	All causes .....	38,228	356.4
1	Accidents and adverse effects (E800-E949) .....	532	22.1	1	Human immunodeficiency virus infection (*042-*044) .....	9,665	90.1
...	Motor vehicle accidents (E810-E825) .....	183	7.6	2	Homicide and legal intervention (E960-E978) .....	4,482	41.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	349	14.5	3	Diseases of heart (390-398,402,404-429) .....	4,387	40.9
2	Homicide and legal intervention (E960-E978) .....	174	7.2	4	Accidents and adverse effects (E800-E949) .....	4,205	39.2
3	Congenital anomalies (740-759) .....	152	6.3	...	Motor vehicle accidents (E810-E825) .....	2,077	19.4
4	Human immunodeficiency virus infection (*042-*044) .....	94	3.9	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,128	19.8
5	Diseases of heart (390-398,402,404-429) .....	67	2.8	5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	3,970	37.0
6	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	59	2.5	6	Cerebrovascular diseases (430-438) .....	1,117	10.4
7	Pneumonia and influenza (480-487) .....	53	2.2	7	Suicide (E950-E959) .....	1,066	9.9
8	Anemias (280-285) .....	28	1.2	8	Chronic liver disease and cirrhosis (571) .....	708	6.6
9	Septicemia (038) .....	27	1.1	9	Pneumonia and influenza (480-487) .....	651	6.1
10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	25	1.0	10	Diabetes mellitus (250) .....	616	5.7
...	All other causes (Residual) .....	412	17.2	...	All other causes (Residual) .....	7,361	68.6
<b>Black, both sexes, 5-14 years</b>				<b>Black, both sexes, 45-64 years</b>			
...	All causes .....	1,924	32.1	...	All causes .....	68,230	1,225.4
1	Accidents and adverse effects (E800-E949) .....	730	12.2	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	19,261	345.9
...	Motor vehicle accidents (E810-E825) .....	339	5.7	2	Diseases of heart (390-398,402,404-429) .....	18,982	340.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	391	6.5	3	Cerebrovascular diseases (430-438) .....	3,980	71.5
2	Homicide and legal intervention (E960-E978) .....	194	3.2	4	Human immunodeficiency virus infection (*042-*044) .....	3,585	64.4
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	167	2.8	5	Diabetes mellitus (250) .....	3,073	55.2
4	Congenital anomalies (740-759) .....	100	1.7	6	Accidents and adverse effects (E800-E949) .....	2,623	47.1
5	Human immunodeficiency virus infection (*042-*044) .....	99	1.7	...	Motor vehicle accidents (E810-E825) .....	942	16.9
6	Diseases of heart (390-398,402,404-429) .....	92	1.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,681	30.2
7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	78	1.3	7	Chronic liver disease and cirrhosis (571) .....	1,556	27.9
8	Suicide (E950-E959) .....	36	0.6	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	1,502	27.0
9	Pneumonia and influenza (480-487) .....	27	0.5	9	Pneumonia and influenza (480-487) .....	1,287	23.1
10	Anemias (280-285) .....	23	0.4	10	Homicide and legal intervention (E960-E978) .....	944	17.0
...	All other causes (Residual) .....	378	6.3	...	All other causes (Residual) .....	11,437	205.4

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, 1996—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 <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>	Rank <sup>1</sup>	Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
<b>Black, both sexes, 65 years and over</b>				<b>Black, male, 5-14 years</b>			
...	All causes .....	154,981	5,603.3	...	All causes .....	1,160	38.1
1	Diseases of heart (390-398,402,404-429) .....	53,585	1,937.3	1	Accidents and adverse effects (E800-E949) .....	486	16.0
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	36,997	1,337.6	...	Motor vehicle accidents (E810-E825) .....	220	7.2
3	Cerebrovascular diseases (430-438) .....	13,259	479.4	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	266	8.7
4	Diabetes mellitus (250) .....	7,049	254.9	2	Homicide and legal intervention (E960-E978) .....	121	4.0
5	Pneumonia and influenza (480-487) .....	5,719	206.8	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	87	2.9
6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	4,788	173.1	4	Congenital anomalies (740-759) .....	61	2.0
7	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	3,024	109.3	5	Diseases of heart (390-398,402,404-429) .....	52	1.7
8	Septicemia (038) .....	2,665	96.4	6	Human immunodeficiency virus infection (*042-*044) .....	51	1.7
9	Accidents and adverse effects (E800-E949) .....	2,491	90.1	7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	41	1.3
...	Motor vehicle accidents (E810-E825) .....	604	21.8	8	Suicide (E950-E959) .....	28	0.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,887	68.2	9	Pneumonia and influenza (480-487) .....	16	*
10	Hypertension with or without renal disease (401,403) .....	2,008	72.6	10	Anemias (280-285) .....	14	*
...	All other causes (Residual) .....	23,396	845.9	...	All other causes (Residual) .....	203	6.7
<b>Black, male, all ages<sup>4</sup></b>				<b>Black, male, 15-24 years</b>			
...	All causes .....	149,472	939.9	...	All causes .....	6,422	233.0
1	Diseases of heart (390-398,402,404-429) .....	37,335	234.8	1	Homicide and legal intervention (E960-E978) .....	3,393	123.1
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	32,973	207.3	2	Accidents and adverse effects (E800-E949) .....	1,391	50.5
3	Human immunodeficiency virus infection (*042-*044) .....	10,329	65.0	...	Motor vehicle accidents (E810-E825) .....	970	35.2
4	Accidents and adverse effects (E800-E949) .....	8,642	54.3	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	421	15.3
...	Motor vehicle accidents (E810-E825) .....	3,862	24.3	3	Suicide (E950-E959) .....	461	16.7
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	4,780	30.1	4	Diseases of heart (390-398,402,404-429) .....	205	7.4
5	Homicide and legal intervention (E960-E978) .....	8,183	51.5	5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	163	5.9
6	Cerebrovascular diseases (430-438) .....	7,972	50.1	6	Human immunodeficiency virus infection (*042-*044) .....	119	4.3
7	Pneumonia and influenza (480-487) .....	4,170	26.2	7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	62	2.2
8	Diabetes mellitus (250) .....	4,132	26.0	8	Congenital anomalies (740-759) .....	36	1.3
9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	3,928	24.7	9	Pneumonia and influenza (480-487) .....	31	1.1
10	Certain conditions originating in the perinatal period (760-779) .....	2,631	16.5	10	Anemias (280-285) .....	30	1.1
...	All other causes (Residual) .....	29,177	183.5	...	All other causes (Residual) .....	531	19.3
<b>Black, male, 1-4 years</b>				<b>Black, male, 25-44 years</b>			
...	All causes .....	869	71.4	...	All causes .....	24,894	493.0
1	Accidents and adverse effects (E800-E949) .....	313	25.7	1	Human immunodeficiency virus infection (*042-*044) .....	7,022	139.1
...	Motor vehicle accidents (E810-E825) .....	103	8.5	2	Homicide and legal intervention (E960-E978) .....	3,587	71.0
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	210	17.2	3	Accidents and adverse effects (E800-E949) .....	3,035	60.1
2	Homicide and legal intervention (E960-E978) .....	84	6.9	...	Motor vehicle accidents (E810-E825) .....	1,494	29.6
3	Congenital anomalies (740-759) .....	71	5.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,541	30.5
4	Human immunodeficiency virus infection (*042-*044) .....	53	4.4	4	Diseases of heart (390-398,402,404-429) .....	2,649	52.5
5	Pneumonia and influenza (480-487) .....	34	2.8	5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	1,726	34.2
6	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	29	2.4	6	Suicide (E950-E959) .....	900	17.8
7	Diseases of heart (390-398,402,404-429) .....	28	2.3	7	Cerebrovascular diseases (430-438) .....	532	10.5
8	Anemias (280-285) .....	17	*	8	Chronic liver disease and cirrhosis (571) .....	457	9.1
9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	16	*	9	Pneumonia and influenza (480-487) .....	410	8.1
9	Certain conditions originating in the perinatal period (760-779) .....	16	*	10	Diabetes mellitus (250) .....	347	6.9
...	All other causes (Residual) .....	208	17.1	...	All other causes (Residual) .....	4,229	83.8

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, 1996—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 <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, 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>
<b>Black, male, 45-64 years</b>			<b>Black, female, 1-4 years</b>		
...	All causes .....	40,835 1,645.2	...	All causes .....	754 63.7
1	Diseases of heart (390-398,402,404-429) .....	11,541 465.0	1	Accidents and adverse effects (E800-E949) .....	219 18.5
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	10,695 430.9	...	Motor vehicle accidents (E810-E825) .....	80 6.8
3	Human immunodeficiency virus infection (*042-*044) .....	2,831 114.1	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	139 11.7
4	Cerebrovascular diseases (430-438) .....	2,248 90.6	2	Homicide and legal intervention (E960-E978) .....	90 7.6
5	Accidents and adverse effects (E800-E949) .....	1,932 77.8	3	Congenital anomalies (740-759) .....	81 6.8
...	Motor vehicle accidents (E810-E825) .....	666 26.8	4	Human immunodeficiency virus infection (*042-*044) .....	41 3.5
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,266 51.0	5	Diseases of heart (390-398,402,404-429) .....	39 3.3
6	Diabetes mellitus (250) .....	1,386 55.8	6	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	30 2.5
7	Chronic liver disease and cirrhosis (571) .....	1,075 43.3	7	Pneumonia and influenza (480-487) .....	19 *
8	Pneumonia and influenza (480-487) .....	832 33.5	8	Septicemia (038) .....	14 *
9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	830 33.4	9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	11 *
10	Homicide and legal intervention (E960-E978) .....	758 30.5	9	Anemias (280-285) .....	11 *
...	All other causes (Residual) .....	6,707 270.2	...	All other causes (Residual) .....	199 16.8
<b>Black, male, 65 years and over</b>			<b>Black, female, 5-14 years</b>		
...	All causes .....	70,374 6,535.7	...	All causes .....	764 25.9
1	Diseases of heart (390-398,402,404-429) .....	22,746 2,112.5	1	Accidents and adverse effects (E800-E949) .....	244 8.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	20,260 1,881.6	...	Motor vehicle accidents (E810-E825) .....	119 4.0
3	Cerebrovascular diseases (430-438) .....	5,133 476.7	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	125 4.2
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	2,770 257.3	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	80 2.7
5	Pneumonia and influenza (480-487) .....	2,757 256.0	3	Homicide and legal intervention (E960-E978) .....	73 2.5
6	Diabetes mellitus (250) .....	2,369 220.0	4	Human immunodeficiency virus infection (*042-*044) .....	48 1.6
7	Accidents and adverse effects (E800-E949) .....	1,354 125.7	5	Diseases of heart (390-398,402,404-429) .....	40 1.4
...	Motor vehicle accidents (E810-E825) .....	383 35.6	6	Congenital anomalies (740-759) .....	39 1.3
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	971 90.2	7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	37 1.3
8	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	1,232 114.4	8	Pneumonia and influenza (480-487) .....	11 *
9	Septicemia (038) .....	1,056 98.1	8	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	11 *
10	Hypertension with or without renal disease (401,403) .....	766 71.1	10	Meningococcal infection (036) .....	10 *
...	All other causes (Residual) .....	9,931 922.3	...	All other causes (Residual) .....	171 5.8
<b>Black, female, all ages<sup>4</sup></b>			<b>Black, female, 15-24 years</b>		
...	All causes .....	132,617 753.5	...	All causes .....	1,830 66.8
1	Diseases of heart (390-398,402,404-429) .....	40,306 229.0	1	Accidents and adverse effects (E800-E949) .....	447 16.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	27,793 157.9	...	Motor vehicle accidents (E810-E825) .....	365 13.3
3	Cerebrovascular diseases (430-438) .....	10,509 59.7	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	82 3.0
4	Diabetes mellitus (250) .....	6,668 37.9	2	Homicide and legal intervention (E960-E978) .....	402 14.7
5	Accidents and adverse effects (E800-E949) .....	4,013 22.8	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	132 4.8
...	Motor vehicle accidents (E810-E825) .....	1,666 9.5	4	Diseases of heart (390-398,402,404-429) .....	123 4.5
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,347 13.3	5	Human immunodeficiency virus infection (*042-*044) .....	108 3.9
6	Pneumonia and influenza (480-487) .....	3,793 21.6	6	Suicide (E950-E959) .....	62 2.3
7	Human immunodeficiency virus infection (*042-*044) .....	3,668 20.8	7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	42 1.5
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	2,996 17.0	8	Anemias (280-285) .....	35 1.3
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	2,271 12.9	9	Complications of pregnancy, childbirth, and the puerperium (630-676) .....	34 1.2
10	Septicemia (038) .....	2,152 12.2	10	Pneumonia and influenza (480-487) .....	33 1.2
...	All other causes (Residual) .....	28,448 161.6	...	All other causes (Residual) .....	412 15.0

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, 1996—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 <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age	Number <sup>2</sup>	Rate <sup>2</sup>
Black, female, 25-44 years			
...	All causes .....	13,334	234.9
1	Human immunodeficiency virus infection (*042-*044) .....	2,643	46.6
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	2,244	39.5
3	Diseases of heart (390-398,402,404-429) .....	1,738	30.6
4	Accidents and adverse effects (E800-E949) .....	1,170	20.6
...	Motor vehicle accidents (E810-E825) .....	583	10.3
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	587	10.3
5	Homicide and legal intervention (E960-E978) .....	895	15.8
6	Cerebrovascular diseases (430-438) .....	585	10.3
7	Diabetes mellitus (250) .....	269	4.7
8	Chronic liver disease and cirrhosis (571) .....	251	4.4
9	Pneumonia and influenza (480-487) .....	241	4.2
10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	213	3.8
...	All other causes (Residual) .....	3,085	54.3
Black, female, 45-64 years			
...	All causes .....	27,395	887.8
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	8,566	277.6
2	Diseases of heart (390-398,402,404-429) .....	7,441	241.1
3	Cerebrovascular diseases (430-438) .....	1,732	56.1
4	Diabetes mellitus (250) .....	1,687	54.7
5	Human immunodeficiency virus infection (*042-*044) .....	754	24.4
6	Accidents and adverse effects (E800-E949) .....	691	22.4
...	Motor vehicle accidents (E810-E825) .....	276	8.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	415	13.4
7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	672	21.8
8	Chronic liver disease and cirrhosis (571) .....	481	15.6
9	Pneumonia and influenza (480-487) .....	455	14.7
10	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	354	11.5
...	All other causes (Residual) .....	4,562	147.8
Black, female, 65 years and over			
...	All causes .....	84,607	5,008.8
1	Diseases of heart (390-398,402,404-429) .....	30,839	1,825.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ...	16,737	990.9
3	Cerebrovascular diseases (430-438) .....	8,126	481.1
4	Diabetes mellitus (250) .....	4,680	277.1
5	Pneumonia and influenza (480-487) .....	2,962	175.4
6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	2,018	119.5
7	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	1,792	106.1
8	Septicemia (038) .....	1,609	95.3
9	Hypertension with or without renal disease (401,403) .....	1,242	73.5
10	Accidents and adverse effects (E800-E949) .....	1,137	67.3
...	Motor vehicle accidents (E810-E825) .....	221	13.1
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	916	54.2
...	All other causes (Residual) .....	13,465	797.1

... 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: Total of 49 reporting States and the District of Columbia, 1996**

[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. For a listing of reporting States, see Technical notes]

Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, 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>
<b>Hispanic origin, both sexes, all ages<sup>3</sup></b>			<b>Hispanic origin, both sexes, 15-24 years</b>		
...	All causes .....	94,957 336.8	...	All causes .....	4,640 93.6
1	Diseases of heart (390-398,402,404-429) .....	22,986 81.5	1	Accidents and adverse effects (E800-E949) .....	1,751 35.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	18,043 64.0	...	Motor vehicle accidents (E810-E825) .....	1,271 25.6
...	Accidents and adverse effects (E800-E949) .....	7,958 28.2	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	480 9.7
...	Motor vehicle accidents (E810-E825) .....	4,389 15.6	2	Homicide and legal intervention (E960-E978) .....	1,420 28.6
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	3,569 12.7	3	Suicide (E950-E959) .....	490 9.9
4	Cerebrovascular diseases (430-438) .....	5,125 18.2	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	255 5.1
5	Human immunodeficiency virus infection (*042-*044) .....	4,364 15.5	5	Diseases of heart (390-398,402,404-429) .....	96 1.9
6	Diabetes mellitus (250) .....	4,361 15.5	6	Human immunodeficiency virus infection (*042-*044) .....	65 1.3
7	Homicide and legal intervention (E960-E978) .....	3,504 12.4	7	Congenital anomalies (740-759) .....	46 0.9
8	Pneumonia and influenza (480-487) .....	2,891 10.3	8	Cerebrovascular diseases (430-438) .....	34 0.7
9	Chronic liver disease and cirrhosis (571) .....	2,809 10.0	9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	18 *
10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	2,392 8.5	10	Pneumonia and influenza (480-487) .....	15 *
...	All other causes (Residual) .....	20,524 72.8	...	All other causes (Residual) .....	450 9.1
<b>Hispanic origin, both sexes, 1-4 years</b>			<b>Hispanic origin, both sexes, 25-44 years</b>		
...	All causes .....	871 33.6	...	All causes .....	14,518 155.9
1	Accidents and adverse effects (E800-E949) .....	333 12.8	1	Accidents and adverse effects (E800-E949) .....	3,127 33.6
...	Motor vehicle accidents (E810-E825) .....	160 6.2	...	Motor vehicle accidents (E810-E825) .....	1,660 17.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	173 6.7	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,467 15.8
2	Congenital anomalies (740-759) .....	107 4.1	2	Human immunodeficiency virus infection (*042-*044) .....	3,050 32.8
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	60 2.3	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	1,544 16.6
4	Homicide and legal intervention (E960-E978) .....	59 2.3	4	Homicide and legal intervention (E960-E978) .....	1,514 16.3
5	Diseases of heart (390-398,402,404-429) .....	30 1.2	5	Diseases of heart (390-398,402,404-429) .....	929 10.0
6	Pneumonia and influenza (480-487) .....	26 1.0	6	Suicide (E950-E959) .....	840 9.0
7	Human immunodeficiency virus infection (*042-*044) .....	23 0.9	7	Chronic liver disease and cirrhosis (571) .....	608 6.5
8	Certain conditions originating in the perinatal period (760-779) .....	11 *	8	Cerebrovascular diseases (430-438) .....	299 3.2
9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	10 *	9	Diabetes mellitus (250) .....	186 2.0
10	Septicemia (038) .....	9 *	10	Pneumonia and influenza (480-487) .....	142 1.5
...	All other causes (Residual) .....	203 7.8	...	All other causes (Residual) .....	2,279 24.5
<b>Hispanic origin, both sexes, 5-14 years</b>			<b>Hispanic origin, both sexes, 45-64 years</b>		
...	All causes .....	1,051 20.3	...	All causes .....	20,330 521.7
1	Accidents and adverse effects (E800-E949) .....	366 7.1	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	5,383 138.1
...	Motor vehicle accidents (E810-E825) .....	243 4.7	2	Diseases of heart (390-398,402,404-429) .....	4,652 119.4
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	123 2.4	3	Chronic liver disease and cirrhosis (571) .....	1,304 33.5
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	146 2.8	4	Accidents and adverse effects (E800-E949) .....	1,297 33.3
3	Homicide and legal intervention (E960-E978) .....	96 1.9	...	Motor vehicle accidents (E810-E825) .....	645 16.6
4	Congenital anomalies (740-759) .....	60 1.2	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	652 16.7
5	Diseases of heart (390-398,402,404-429) .....	39 0.8	5	Diabetes mellitus (250) .....	1,196 30.7
6	Human immunodeficiency virus infection (*042-*044) .....	36 0.7	6	Human immunodeficiency virus infection (*042-*044) .....	1,116 28.6
7	Suicide (E950-E959) .....	31 0.6	7	Cerebrovascular diseases (430-438) .....	1,084 27.8
8	Pneumonia and influenza (480-487) .....	19 *	8	Pneumonia and influenza (480-487) .....	343 8.8
9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	13 *	9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	328 8.4
10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	11 *	10	Homicide and legal intervention (E960-E978) .....	317 8.1
...	All other causes (Residual) .....	234 4.5	...	All other causes (Residual) .....	3,310 84.9

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: Total of 49 reporting States and the District of Columbia, 1996—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. For a listing of reporting States, see Technical notes]

Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, 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>		
<b>Hispanic origin, both sexes, 65 years and over</b>			<b>Hispanic origin, male, 5-14 years</b>				
...	All causes .....	49,376	3,110.9	...	All causes .....	624	23.5
1	Diseases of heart (390-398,402,404-429) .....	17,157	1,081.0	1	Accidents and adverse effects (E800-E949) .....	219	8.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	10,636	670.1	...	Motor vehicle accidents (E810-E825) .....	136	5.1
3	Cerebrovascular diseases (430-438) .....	3,662	230.7	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	83	3.1
4	Diabetes mellitus (250) .....	2,964	186.7	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	87	3.3
5	Pneumonia and influenza (480-487) .....	2,241	141.2	3	Homicide and legal intervention (E960-E978) .....	68	2.6
6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	1,951	122.9	4	Congenital anomalies (740-759) .....	33	1.2
7	Accidents and adverse effects (E800-E949) .....	940	59.2	5	Suicide (E950-E959) .....	22	0.8
...	Motor vehicle accidents (E810-E825) .....	363	22.9	6	Human immunodeficiency virus infection (*042-*044) .....	21	0.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	577	36.4	7	Diseases of heart (390-398,402,404-429) .....	17	*
8	Chronic liver disease and cirrhosis (571) .....	878	55.3	8	Cerebrovascular diseases (430-438) .....	10	*
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	642	40.4	9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	7	*
10	Septicemia (038) .....	495	31.2	9	Pneumonia and influenza (480-487) .....	7	*
...	All other causes (Residual) .....	7,810	492.1	...	All other causes (Residual) .....	133	5.0
<b>Hispanic origin, male, all ages<sup>3</sup></b>			<b>Hispanic origin, male, 15-24 years</b>				
...	All causes .....	55,217	381.3	...	All causes .....	3,742	140.3
1	Diseases of heart (390-398,402,404-429) .....	12,426	85.8	1	Accidents and adverse effects (E800-E949) .....	1,420	53.2
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	9,523	65.8	...	Motor vehicle accidents (E810-E825) .....	1,001	37.5
3	Accidents and adverse effects (E800-E949) .....	6,039	41.7	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	419	15.7
...	Motor vehicle accidents (E810-E825) .....	3,227	22.3	2	Homicide and legal intervention (E960-E978) .....	1,303	48.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,812	19.4	3	Suicide (E950-E959) .....	414	15.5
4	Human immunodeficiency virus infection (*042-*044) .....	3,546	24.5	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	155	5.8
5	Homicide and legal intervention (E960-E978) .....	3,026	20.9	5	Diseases of heart (390-398,402,404-429) .....	63	2.4
6	Cerebrovascular diseases (430-438) .....	2,433	16.8	6	Human immunodeficiency virus infection (*042-*044) .....	40	1.5
7	Chronic liver disease and cirrhosis (571) .....	2,083	14.4	7	Congenital anomalies (740-759) .....	30	1.1
8	Diabetes mellitus (250) .....	1,988	13.7	8	Cerebrovascular diseases (430-438) .....	22	0.8
9	Suicide (E950-E959) .....	1,528	10.6	9	Pneumonia and influenza (480-487) .....	10	*
10	Pneumonia and influenza (480-487) .....	1,468	10.1	10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	9	*
...	All other causes (Residual) .....	11,157	77.0	...	All other causes (Residual) .....	276	10.3
<b>Hispanic origin, male, 1-4 years</b>			<b>Hispanic origin, male, 25-44 years</b>				
...	All causes .....	496	37.3	...	All causes .....	10,894	220.8
1	Accidents and adverse effects (E800-E949) .....	198	14.9	1	Accidents and adverse effects (E800-E949) .....	2,571	52.1
...	Motor vehicle accidents (E810-E825) .....	88	6.6	...	Motor vehicle accidents (E810-E825) .....	1,293	26.2
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	110	8.3	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,278	25.9
2	Congenital anomalies (740-759) .....	61	4.6	2	Human immunodeficiency virus infection (*042-*044) .....	2,490	50.5
3	Homicide and legal intervention (E960-E978) .....	32	2.4	3	Homicide and legal intervention (E960-E978) .....	1,302	26.4
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	31	2.3	4	Diseases of heart (390-398,402,404-429) .....	729	14.8
5	Diseases of heart (390-398,402,404-429) .....	19	*	5	Suicide (E950-E959) .....	718	14.6
6	Pneumonia and influenza (480-487) .....	14	*	6	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	698	14.1
7	Human immunodeficiency virus infection (*042-*044) .....	12	*	7	Chronic liver disease and cirrhosis (571) .....	502	10.2
8	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	6	*	8	Cerebrovascular diseases (430-438) .....	187	3.8
8	Certain conditions originating in the perinatal period (760-779) .....	6	*	9	Diabetes mellitus (250) .....	108	2.2
10	Septicemia (038) .....	5	*	10	Viral hepatitis (070) .....	95	1.9
...	All other causes (Residual) .....	112	8.4	...	All other causes (Residual) .....	1,494	30.3

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: Total of 49 reporting States and the District of Columbia, 1996—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. For a listing of reporting States, see Technical notes]

Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, 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>		
<b>Hispanic origin, male, 45-64 years</b>			<b>Hispanic origin, female, 1-4 years</b>				
...	All causes .....	13,000	687.4	...	All causes .....	375	29.6
1	Diseases of heart (390-398,402,404-429) .....	3,304	174.7	1	Accidents and adverse effects (E800-E949) .....	135	10.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	2,773	146.6	...	Motor vehicle accidents (E810-E825) .....	72	5.7
3	Chronic liver disease and cirrhosis (571) .....	1,036	54.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	63	5.0
4	Accidents and adverse effects (E800-E949) .....	988	52.2	2	Congenital anomalies (740-759) .....	46	3.6
...	Motor vehicle accidents (E810-E825) .....	451	23.8	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	29	2.3
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	537	28.4	4	Homicide and legal intervention (E960-E978) .....	27	2.1
5	Human immunodeficiency virus infection (*042-*044) .....	922	48.8	5	Pneumonia and influenza (480-487) .....	12	*
6	Diabetes mellitus (250) .....	647	34.2	6	Human immunodeficiency virus infection (*042-*044) .....	11	*
7	Cerebrovascular diseases (430-438) .....	624	33.0	6	Diseases of heart (390-398,402,404-429) .....	11	*
8	Homicide and legal intervention (E960-E978) .....	262	13.9	8	Certain conditions originating in the perinatal period (760-779) .....	5	*
9	Suicide (E950-E959) .....	252	13.3	8	Meningococcal infection (036) .....	5	*
10	Pneumonia and influenza (480-487) .....	221	11.7	8	Septicemia (038) .....	4	*
...	All other causes (Residual) .....	1,971	104.2	10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	4	*
<b>Hispanic origin, male, 65 years and over</b>			...	All other causes (Residual) .....	86	6.8	
...	All causes .....	24,057	3,606.7	<b>Hispanic origin, female, 5-14 years</b>			
1	Diseases of heart (390-398,402,404-429) .....	8,251	1,237.0	...	All causes .....	427	16.9
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	5,767	864.6	1	Accidents and adverse effects (E800-E949) .....	147	5.8
3	Cerebrovascular diseases (430-438) .....	1,562	234.2	...	Motor vehicle accidents (E810-E825) .....	107	4.2
4	Diabetes mellitus (250) .....	1,224	183.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	40	1.6
5	Pneumonia and influenza (480-487) .....	1,063	159.4	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	59	2.3
6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	1,021	153.1	3	Homicide and legal intervention (E960-E978) .....	28	1.1
7	Accidents and adverse effects (E800-E949) .....	558	83.7	4	Congenital anomalies (740-759) .....	27	1.1
...	Motor vehicle accidents (E810-E825) .....	235	35.2	5	Diseases of heart (390-398,402,404-429) .....	22	0.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	323	48.4	6	Human immunodeficiency virus infection (*042-*044) .....	15	*
8	Chronic liver disease and cirrhosis (571) .....	533	79.9	7	Pneumonia and influenza (480-487) .....	12	*
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	307	46.0	8	Suicide (E950-E959) .....	9	*
10	Septicemia (038) .....	218	32.7	9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	7	*
...	All other causes (Residual) .....	3,553	532.7	10	Anemias (280-285) .....	4	*
<b>Hispanic origin, female, all ages<sup>3</sup></b>			10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	4	*	
...	All causes .....	39,740	289.8	...	All other causes (Residual) .....	93	3.7
1	Diseases of heart (390-398,402,404-429) .....	10,560	77.0	<b>Hispanic origin, female, 15-24 years</b>			
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	8,520	62.1	...	All causes .....	898	39.2
3	Cerebrovascular diseases (430-438) .....	2,692	19.6	1	Accidents and adverse effects (E800-E949) .....	331	14.5
4	Diabetes mellitus (250) .....	2,373	17.3	...	Motor vehicle accidents (E810-E825) .....	270	11.8
5	Accidents and adverse effects (E800-E949) .....	1,919	14.0	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	61	2.7
...	Motor vehicle accidents (E810-E825) .....	1,162	8.5	2	Homicide and legal intervention (E960-E978) .....	117	5.1
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	757	5.5	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	100	4.4
6	Pneumonia and influenza (480-487) .....	1,423	10.4	4	Suicide (E950-E959) .....	76	3.3
7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	1,136	8.3	5	Diseases of heart (390-398,402,404-429) .....	33	1.4
8	Human immunodeficiency virus infection (*042-*044) .....	818	6.0	6	Human immunodeficiency virus infection (*042-*044) .....	25	1.1
9	Chronic liver disease and cirrhosis (571) .....	726	5.3	7	Congenital anomalies (740-759) .....	16	*
10	Certain conditions originating in the perinatal period (760-779) .....	722	5.3	8	Cerebrovascular diseases (430-438) .....	12	*
...	All other causes (Residual) .....	8,851	64.6	9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	9	*
See footnotes at end of table.			10	Complications of pregnancy, childbirth, and the puerperium (630-676) .....	8	*	
			...	All other causes (Residual) .....	171	7.5	

**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: Total of 49 reporting States and the District of Columbia, 1996—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. For a listing of reporting States, see Technical notes]

Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, 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>		
<b>Hispanic origin, female, 25-44 years</b>			<b>Total non-Hispanic origin<sup>4</sup>, both sexes, all ages<sup>3</sup></b>				
...	All causes .....	3,624	82.8	...	All causes .....	2,176,851	931.0
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	846	19.3	1	Diseases of heart (390-398,402,404-429) .....	696,018	297.7
2	Human immunodeficiency virus infection (*042-*044) .....	560	12.8	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	512,638	219.2
3	Accidents and adverse effects (E800-E949) .....	556	12.7	3	Cerebrovascular diseases (430-438) .....	151,871	65.0
...	Motor vehicle accidents (E810-E825) .....	367	8.4	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	101,661	43.5
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	189	4.3	5	Accidents and adverse effects (E800-E949) .....	84,787	36.3
4	Homicide and legal intervention (E960-E978) .....	212	4.8	...	Motor vehicle accidents (E810-E825) .....	38,192	16.3
5	Diseases of heart (390-398,402,404-429) .....	200	4.6	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	46,595	19.9
6	Suicide (E950-E959) .....	122	2.8	6	Pneumonia and influenza (480-487) .....	79,157	33.9
7	Cerebrovascular diseases (430-438) .....	112	2.6	7	Diabetes mellitus (250) .....	56,475	24.2
8	Chronic liver disease and cirrhosis (571) .....	106	2.4	8	Suicide (E950-E959) .....	28,446	12.2
9	Diabetes mellitus (250) .....	78	1.8	9	Human immunodeficiency virus infection (*042-*044) .....	26,266	11.2
10	Pneumonia and influenza (480-487) .....	50	1.1	10	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	22,925	9.8
...	All other causes (Residual) .....	782	17.9	...	All other causes (Residual) .....	416,607	178.2
<b>Hispanic origin, female, 45-64 years</b>			<b>Total non-Hispanic origin<sup>4</sup>, both sexes, 1-4 years</b>				
...	All causes .....	7,330	365.4	...	All causes .....	4,971	39.0
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	2,610	130.1	1	Accidents and adverse effects (E800-E949) .....	1,772	13.9
2	Diseases of heart (390-398,402,404-429) .....	1,348	67.2	...	Motor vehicle accidents (E810-E825) .....	642	5.0
3	Diabetes mellitus (250) .....	549	27.4	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,130	8.9
4	Cerebrovascular diseases (430-438) .....	460	22.9	2	Congenital anomalies (740-759) .....	524	4.1
5	Accidents and adverse effects (E800-E949) .....	309	15.4	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	361	2.8
...	Motor vehicle accidents (E810-E825) .....	194	9.7	4	Homicide and legal intervention (E960-E978) .....	354	2.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	115	5.7	5	Diseases of heart (390-398,402,404-429) .....	180	1.4
6	Chronic liver disease and cirrhosis (571) .....	268	13.4	6	Pneumonia and influenza (480-487) .....	139	1.1
7	Human immunodeficiency virus infection (*042-*044) .....	194	9.7	7	Human immunodeficiency virus infection (*042-*044) .....	122	1.0
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	151	7.5	8	Septicemia (038) .....	74	0.6
9	Pneumonia and influenza (480-487) .....	122	6.1	9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	59	0.5
10	Viral hepatitis (070) .....	80	4.0	10	Certain conditions originating in the perinatal period (760-779) .....	48	0.4
...	All other causes (Residual) .....	1,239	61.8	...	All other causes (Residual) .....	1,338	10.5
<b>Hispanic origin, female, 65 years and over</b>			<b>Total non-Hispanic origin<sup>4</sup>, both sexes, 5-14 years</b>				
...	All causes .....	25,319	2,751.5	...	All causes .....	7,104	21.7
1	Diseases of heart (390-398,402,404-429) .....	8,906	967.9	1	Accidents and adverse effects (E800-E949) .....	2,990	9.1
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	4,869	529.1	...	Motor vehicle accidents (E810-E825) .....	1,695	5.2
3	Cerebrovascular diseases (430-438) .....	2,100	228.2	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,295	4.0
4	Diabetes mellitus (250) .....	1,740	189.1	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	867	2.6
5	Pneumonia and influenza (480-487) .....	1,178	128.0	3	Homicide and legal intervention (E960-E978) .....	409	1.2
6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	930	101.1	4	Congenital anomalies (740-759) .....	386	1.2
7	Accidents and adverse effects (E800-E949) .....	382	41.5	5	Diseases of heart (390-398,402,404-429) .....	289	0.9
...	Motor vehicle accidents (E810-E825) .....	128	13.9	6	Suicide (E950-E959) .....	262	0.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	254	27.6	7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	148	0.5
8	Chronic liver disease and cirrhosis (571) .....	345	37.5	8	Human immunodeficiency virus infection (*042-*044) .....	138	0.4
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	335	36.4	9	Pneumonia and influenza (480-487) .....	112	0.3
10	Septicemia (038) .....	277	30.1	10	Cerebrovascular diseases (430-438) .....	74	0.2
...	All other causes (Residual) .....	4,257	462.6	...	All other causes (Residual) .....	1,429	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: Total of 49 reporting States and the District of Columbia, 1996—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. For a listing of reporting States, see Technical notes]

Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, 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>		
Total non-Hispanic origin <sup>4</sup> , both sexes, 15-24 years			Total non-Hispanic origin <sup>4</sup> , both sexes, 65 years and over				
...	All causes .....	27,169	88.2	...	All causes .....	1,633,632	5,136.0
1	Accidents and adverse effects (E800-E949) .....	11,754	38.2	1	Diseases of heart (390-398,402,404-429) .....	583,257	1,833.7
...	Motor vehicle accidents (E810-E825) .....	9,062	29.4	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	366,178	1,151.2
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,692	8.7	3	Cerebrovascular diseases (430-438) .....	134,282	422.2
2	Homicide and legal intervention (E960-E978) .....	5,004	16.2	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	87,867	276.2
3	Suicide (E950-E959) .....	3,774	12.3	5	Pneumonia and influenza (480-487) .....	71,263	224.0
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	1,355	4.4	6	Diabetes mellitus (250) .....	42,747	134.4
5	Diseases of heart (390-398,402,404-429) .....	860	2.8	7	Accidents and adverse effects (E800-E949) .....	29,269	92.0
6	Human immunodeficiency virus infection (*042-*044) .....	343	1.1	...	Motor vehicle accidents (E810-E825) .....	7,236	22.7
7	Congenital anomalies (740-759) .....	329	1.1	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	22,033	69.3
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	216	0.7	8	Alzheimer's disease (331.0) .....	20,382	64.1
9	Pneumonia and influenza (480-487) .....	186	0.6	9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	19,774	62.2
10	Cerebrovascular diseases (430-438) .....	132	0.4	10	Septicemia (038) .....	16,482	51.8
...	Diabetes mellitus (250) .....	132	0.4	...	All other causes (Residual) .....	262,131	824.1
...	All other causes (Residual) .....	3,084	10.0	Total non-Hispanic origin <sup>4</sup> , male, all ages <sup>3</sup>			
Total non-Hispanic origin <sup>4</sup> , both sexes, 25-44 years			...	All causes .....	1,086,328	954.8	
...	All causes .....	129,866	176.7	1	Diseases of heart (390-398,402,404-429) .....	340,486	299.2
1	Accidents and adverse effects (E800-E949) .....	23,331	31.7	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	267,615	235.2
...	Motor vehicle accidents (E810-E825) .....	12,479	17.0	3	Cerebrovascular diseases (430-438) .....	58,902	51.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	10,852	14.8	4	Accidents and adverse effects (E800-E949) .....	54,116	47.6
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	19,979	27.2	...	Motor vehicle accidents (E810-E825) .....	25,220	22.2
3	Human immunodeficiency virus infection (*042-*044) .....	18,329	24.9	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	28,896	25.4
4	Diseases of heart (390-398,402,404-429) .....	15,304	20.8	5	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	52,146	45.8
5	Suicide (E950-E959) .....	11,503	15.7	6	Pneumonia and influenza (480-487) .....	35,748	31.4
6	Homicide and legal intervention (E960-E978) .....	7,617	10.4	7	Diabetes mellitus (250) .....	25,241	22.2
7	Chronic liver disease and cirrhosis (571) .....	3,535	4.8	8	Suicide (E950-E959) .....	22,968	20.2
8	Cerebrovascular diseases (430-438) .....	3,068	4.2	9	Human immunodeficiency virus infection (*042-*044) .....	21,310	18.7
9	Diabetes mellitus (250) .....	2,285	3.1	10	Chronic liver disease and cirrhosis (571) .....	13,947	12.3
10	Pneumonia and influenza (480-487) .....	1,842	2.5	...	All other causes (Residual) .....	193,849	170.4
...	All other causes (Residual) .....	23,073	31.4	Total non-Hispanic origin <sup>4</sup> , male, 1-4 years			
Total non-Hispanic origin <sup>4</sup> , both sexes, 45-64 years			...	All causes .....	2,795	42.9	
...	All causes .....	350,322	712.6	1	Accidents and adverse effects (E800-E949) .....	1,068	16.4
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	123,814	251.8	...	Motor vehicle accidents (E810-E825) .....	356	5.5
2	Diseases of heart (390-398,402,404-429) .....	95,549	194.4	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	712	10.9
3	Accidents and adverse effects (E800-E949) .....	14,962	30.4	2	Congenital anomalies (740-759) .....	262	4.0
...	Motor vehicle accidents (E810-E825) .....	6,891	14.0	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	214	3.3
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	8,071	16.4	4	Homicide and legal intervention (E960-E978) .....	177	2.7
4	Cerebrovascular diseases (430-438) .....	14,065	28.6	5	Diseases of heart (390-398,402,404-429) .....	87	1.3
5	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	12,239	24.9	6	Pneumonia and influenza (480-487) .....	75	1.1
6	Diabetes mellitus (250) .....	11,282	22.9	7	Human immunodeficiency virus infection (*042-*044) .....	61	0.9
7	Chronic liver disease and cirrhosis (571) .....	9,255	18.8	8	Septicemia (038) .....	42	0.6
8	Suicide (E950-E959) .....	7,291	14.8	9	Certain conditions originating in the perinatal period (760-779) .....	37	0.6
9	Human immunodeficiency virus infection (*042-*044) .....	6,769	13.8	10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	33	0.5
10	Pneumonia and influenza (480-487) .....	5,227	10.6	...	All other causes (Residual) .....	739	11.3
...	All other causes (Residual) .....	49,869	101.4				

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: Total of 49 reporting States and the District of Columbia, 1996**

[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. For a listing of reporting States, see Technical notes]

Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), rank, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), rank, 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>		
<b>Total non-Hispanic origin<sup>4</sup>, male, 5-14 years</b>			<b>Total non-Hispanic origin<sup>4</sup>, male, 45-64 years</b>				
...	All causes .....	4,278	25.5	...	All causes .....	214,300	900.5
1	Accidents and adverse effects (E800-E949) .....	1,918	11.4	1	Diseases of heart (390-398,402,404-429) .....	66,904	281.1
...	Motor vehicle accidents (E810-E825) .....	1,029	6.1	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	65,941	277.1
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	889	5.3	3	Accidents and adverse effects (E800-E949) .....	10,521	44.2
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	487	2.9	...	Motor vehicle accidents (E810-E825) .....	4,568	19.2
3	Homicide and legal intervention (E960-E978) .....	237	1.4	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	5,953	25.0
4	Congenital anomalies (740-759) .....	235	1.4	4	Cerebrovascular diseases (430-438) .....	7,685	32.3
5	Suicide (E950-E959) .....	196	1.2	5	Chronic liver disease and cirrhosis (571) .....	6,530	27.4
6	Diseases of heart (390-398,402,404-429) .....	161	1.0	6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	6,375	26.8
7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	85	0.5	7	Diabetes mellitus (250) .....	6,045	25.4
8	Human immunodeficiency virus infection (*042-*044) .....	75	0.4	8	Human immunodeficiency virus infection (*042-*044) .....	5,761	24.2
9	Pneumonia and influenza (480-487) .....	59	0.4	9	Suicide (E950-E959) .....	5,613	23.6
10	Cerebrovascular diseases (430-438) .....	38	0.2	10	Pneumonia and influenza (480-487) .....	3,158	13.3
...	All other causes (Residual) .....	787	4.7	...	All other causes (Residual) .....	29,767	125.1
<b>Total non-Hispanic origin<sup>4</sup>, male, 15-24 years</b>			<b>Total non-Hispanic origin<sup>4</sup>, male, 65 years and over</b>				
...	All causes .....	20,115	128.0	...	All causes .....	743,978	5,709.3
1	Accidents and adverse effects (E800-E949) .....	8,634	54.9	1	Diseases of heart (390-398,402,404-429) .....	261,672	2,008.1
...	Motor vehicle accidents (E810-E825) .....	6,404	40.7	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	191,026	1,465.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,230	14.2	3	Cerebrovascular diseases (430-438) .....	49,411	379.2
2	Homicide and legal intervention (E960-E978) .....	4,259	27.1	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	45,000	345.3
3	Suicide (E950-E959) .....	3,230	20.5	5	Pneumonia and influenza (480-487) .....	31,021	238.1
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	786	5.0	6	Diabetes mellitus (250) .....	17,748	136.2
5	Diseases of heart (390-398,402,404-429) .....	545	3.5	7	Accidents and adverse effects (E800-E949) .....	14,321	109.9
6	Human immunodeficiency virus infection (*042-*044) .....	199	1.3	...	Motor vehicle accidents (E810-E825) .....	4,023	30.9
7	Congenital anomalies (740-759) .....	198	1.3	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	10,298	79.0
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	119	0.8	8	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	9,166	70.3
9	Pneumonia and influenza (480-487) .....	96	0.6	9	Alzheimer's disease (331.0) .....	6,612	50.7
10	Cerebrovascular diseases (430-438) .....	74	0.5	10	Septicemia (038) .....	6,566	50.4
...	All other causes (Residual) .....	1,975	12.6	...	All other causes (Residual) .....	111,435	855.2
<b>Total non-Hispanic origin<sup>4</sup>, male, 25-44 years</b>			<b>Total non-Hispanic origin<sup>4</sup>, female, all ages<sup>3</sup></b>				
...	All causes .....	87,553	240.8	...	All causes .....	1,090,523	908.4
1	Accidents and adverse effects (E800-E949) .....	17,244	47.4	1	Diseases of heart (390-398,402,404-429) .....	355,532	296.2
...	Motor vehicle accidents (E810-E825) .....	8,737	24.0	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	245,023	204.1
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	8,507	23.4	3	Cerebrovascular diseases (430-438) .....	92,969	77.4
2	Human immunodeficiency virus infection (*042-*044) .....	14,766	40.6	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	49,515	41.2
3	Diseases of heart (390-398,402,404-429) .....	10,798	29.7	5	Pneumonia and influenza (480-487) .....	43,409	36.2
4	Suicide (E950-E959) .....	9,238	25.4	6	Diabetes mellitus (250) .....	31,234	26.0
5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	9,121	25.1	7	Accidents and adverse effects (E800-E949) .....	30,671	25.5
6	Homicide and legal intervention (E960-E978) .....	5,772	15.9	...	Motor vehicle accidents (E810-E825) .....	12,972	10.8
7	Chronic liver disease and cirrhosis (571) .....	2,445	6.7	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	17,699	14.7
8	Cerebrovascular diseases (430-438) .....	1,572	4.3	8	Alzheimer's disease (331.0) .....	13,948	11.6
9	Diabetes mellitus (250) .....	1,365	3.8	9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	11,949	10.0
10	Pneumonia and influenza (480-487) .....	1,106	3.0	10	Septicemia (038) .....	11,510	9.6
...	All other causes (Residual) .....	14,126	38.8	...	All other causes (Residual) .....	204,763	170.6

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: Total of 49 reporting States and the District of Columbia, 1996—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. For a listing of reporting States, see Technical notes]

Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), rank, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), rank, 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>		
<b>Total non-Hispanic origin<sup>4</sup>, female, 1-4 years</b>			<b>Total non-Hispanic origin<sup>4</sup>, female, 25-44 years</b>				
...	All causes	2,176	34.9	...	All causes	42,313	114.0
1	Accidents and adverse effects (E800-E949)	704	11.3	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	10,858	29.2
...	Motor vehicle accidents (E810-E825)	286	4.6	2	Accidents and adverse effects (E800-E949)	6,087	16.4
...	All other accidents and adverse effects (E800-E807,E826-E949)	418	6.7	...	Motor vehicle accidents (E810-E825)	3,742	10.1
2	Congenital anomalies (740-759)	262	4.2	...	All other accidents and adverse effects (E800-E807,E826-E949)	2,345	6.3
3	Homicide and legal intervention (E960-E978)	177	2.8	3	Diseases of heart (390-398,402,404-429)	4,506	12.1
4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	147	2.4	4	Human immunodeficiency virus infection (*042-*044)	3,563	9.6
5	Diseases of heart (390-398,402,404-429)	93	1.5	5	Suicide (E950-E959)	2,265	6.1
6	Pneumonia and influenza (480-487)	64	1.0	6	Homicide and legal intervention (E960-E978)	1,845	5.0
7	Human immunodeficiency virus infection (*042-*044)	61	1.0	7	Cerebrovascular diseases (430-438)	1,496	4.0
8	Septicemia (038)	32	0.5	8	Chronic liver disease and cirrhosis (571)	1,090	2.9
9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	26	0.4	9	Diabetes mellitus (250)	920	2.5
10	Cerebrovascular diseases (430-438)	24	0.4	10	Pneumonia and influenza (480-487)	736	2.0
...	All other causes (Residual)	586	9.4	...	All other causes (Residual)	8,947	24.1
<b>Total non-Hispanic origin<sup>4</sup>, female, 5-14 years</b>			<b>Total non-Hispanic origin<sup>4</sup>, female, 45-64 years</b>				
...	All causes	2,826	17.7	...	All causes	136,022	536.2
1	Accidents and adverse effects (E800-E949)	1,072	6.7	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	57,873	228.2
...	Motor vehicle accidents (E810-E825)	666	4.2	2	Diseases of heart (390-398,402,404-429)	28,645	112.9
...	All other accidents and adverse effects (E800-E807,E826-E949)	406	2.5	3	Cerebrovascular diseases (430-438)	6,380	25.2
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	380	2.4	4	Chronic obstructive pulmonary diseases and allied conditions (490-496)	5,864	23.1
3	Homicide and legal intervention (E960-E978)	172	1.1	5	Diabetes mellitus (250)	5,237	20.6
4	Congenital anomalies (740-759)	151	0.9	6	Accidents and adverse effects (E800-E949)	4,441	17.5
5	Diseases of heart (390-398,402,404-429)	128	0.8	...	Motor vehicle accidents (E810-E825)	2,323	9.2
6	Suicide (E950-E959)	66	0.4	...	All other accidents and adverse effects (E800-E807,E826-E949)	2,118	8.3
7	Human immunodeficiency virus infection (*042-*044)	63	0.4	7	Chronic liver disease and cirrhosis (571)	2,725	10.7
7	Chronic obstructive pulmonary diseases and allied conditions (490-496)	63	0.4	8	Pneumonia and influenza (480-487)	2,069	8.2
9	Pneumonia and influenza (480-487)	53	0.3	9	Suicide (E950-E959)	1,678	6.6
10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)	38	0.2	10	Septicemia (038)	1,107	4.4
...	All other causes (Residual)	640	4.0	...	All other causes (Residual)	20,003	78.9
<b>Total non-Hispanic origin<sup>4</sup>, female, 15-24 years</b>			<b>Total non-Hispanic origin<sup>4</sup>, female, 65 years and over</b>				
...	All causes	7,054	46.8	...	All causes	889,654	4,738.1
1	Accidents and adverse effects (E800-E949)	3,120	20.7	1	Diseases of heart (390-398,402,404-429)	321,585	1,712.7
...	Motor vehicle accidents (E810-E825)	2,658	17.6	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	175,152	932.8
...	All other accidents and adverse effects (E800-E807,E826-E949)	462	3.1	3	Cerebrovascular diseases (430-438)	84,871	452.0
2	Homicide and legal intervention (E960-E978)	745	4.9	4	Chronic obstructive pulmonary diseases and allied conditions (490-496)	42,867	228.3
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	569	3.8	5	Pneumonia and influenza (480-487)	40,242	214.3
4	Suicide (E950-E959)	544	3.6	6	Diabetes mellitus (250)	24,999	133.1
5	Diseases of heart (390-398,402,404-429)	315	2.1	7	Accidents and adverse effects (E800-E949)	14,948	79.6
6	Human immunodeficiency virus infection (*042-*044)	144	1.0	...	Motor vehicle accidents (E810-E825)	3,213	17.1
7	Congenital anomalies (740-759)	131	0.9	...	All other accidents and adverse effects (E800-E807,E826-E949)	11,735	62.5
8	Chronic obstructive pulmonary diseases and allied conditions (490-496)	97	0.6	8	Alzheimer's disease (331.0)	13,770	73.3
9	Pneumonia and influenza (480-487)	90	0.6	9	Nephritis, nephrotic syndrome, and nephrosis (580-589)	10,608	56.5
10	Diabetes mellitus (250)	59	0.4	10	Septicemia (038)	9,916	52.8
...	All other causes (Residual)	1,240	8.2	...	All other causes (Residual)	150,696	802.6

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: Total of 49 reporting States and the District of Columbia, 1996—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. For a listing of reporting States, see Technical notes]

Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, 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>		
<b>White non-Hispanic origin, both sexes, all ages<sup>3</sup></b>			<b>White non-Hispanic origin, both sexes, 15-24 years</b>				
...	All causes .....	1,862,615	973.4	...	All causes .....	17,931	74.8
1	Diseases of heart (390-398,402,404-429) .....	610,216	318.9	1	Accidents and adverse effects (E800-E949) .....	9,421	39.3
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	443,877	232.0	...	Motor vehicle accidents (E810-E825) .....	7,364	30.7
3	Cerebrovascular diseases (430-438) .....	130,641	68.3	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,057	8.6
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	93,703	49.0	2	Suicide (E950-E959) .....	3,084	12.9
5	Pneumonia and influenza (480-487) .....	69,840	36.5	3	Homicide and legal intervention (E960-E978) .....	1,112	4.6
6	Accidents and adverse effects (E800-E949) .....	69,730	36.4	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	1,000	4.2
...	Motor vehicle accidents (E810-E825) .....	31,231	16.3	5	Diseases of heart (390-398,402,404-429) .....	507	2.1
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	38,499	20.1	6	Congenital anomalies (740-759) .....	251	1.0
7	Diabetes mellitus (250) .....	44,469	23.2	7	Human immunodeficiency virus infection (*042-*044) .....	117	0.5
8	Suicide (E950-E959) .....	25,525	13.3	7	Pneumonia and influenza (480-487) .....	117	0.5
9	Alzheimer's disease (331.0) .....	19,515	10.2	9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	104	0.4
10	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	18,446	9.6	10	Cerebrovascular diseases (430-438) .....	98	0.4
...	All other causes (Residual) .....	336,653	175.9	...	All other causes (Residual) .....	2,120	8.8
<b>White non-Hispanic origin, both sexes, 1-4 years</b>			<b>White non-Hispanic origin, both sexes, 25-44 years</b>				
...	All causes .....	3,138	32.1	...	All causes .....	88,475	148.4
1	Accidents and adverse effects (E800-E949) .....	1,165	11.9	1	Accidents and adverse effects (E800-E949) .....	18,369	30.8
...	Motor vehicle accidents (E810-E825) .....	424	4.3	...	Motor vehicle accidents (E810-E825) .....	9,867	16.6
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	741	7.6	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	8,502	14.3
2	Congenital anomalies (740-759) .....	347	3.5	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	15,371	25.8
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	283	2.9	3	Diseases of heart (390-398,402,404-429) .....	10,613	17.8
4	Homicide and legal intervention (E960-E978) .....	165	1.7	4	Suicide (E950-E959) .....	10,068	16.9
5	Diseases of heart (390-398,402,404-429) .....	99	1.0	5	Human immunodeficiency virus infection (*042-*044) .....	8,632	14.5
6	Pneumonia and influenza (480-487) .....	83	0.8	6	Homicide and legal intervention (E960-E978) .....	2,972	5.0
7	Septicemia (038) .....	44	0.5	7	Chronic liver disease and cirrhosis (571) .....	2,659	4.5
8	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	38	0.4	8	Cerebrovascular diseases (430-438) .....	1,848	3.1
9	Cerebrovascular diseases (430-438) .....	29	0.3	9	Diabetes mellitus (250) .....	1,607	2.7
9	Human immunodeficiency virus infection (*042-*044) .....	29	0.3	10	Pneumonia and influenza (480-487) .....	1,148	1.9
...	All other causes (Residual) .....	856	8.8	...	All other causes (Residual) .....	15,188	25.5
<b>White non-Hispanic origin, both sexes, 5-14 years</b>			<b>White non-Hispanic origin, both sexes, 45-64 years</b>				
...	All causes .....	4,898	19.3	...	All causes .....	275,050	656.7
1	Accidents and adverse effects (E800-E949) .....	2,119	8.4	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	102,014	243.6
...	Motor vehicle accidents (E810-E825) .....	1,286	5.1	2	Diseases of heart (390-398,402,404-429) .....	74,946	178.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	833	3.3	3	Accidents and adverse effects (E800-E949) .....	11,928	28.5
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	667	2.6	...	Motor vehicle accidents (E810-E825) .....	5,701	13.6
3	Congenital anomalies (740-759) .....	271	1.1	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	6,227	14.9
4	Suicide (E950-E959) .....	214	0.8	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	10,595	25.3
5	Homicide and legal intervention (E960-E978) .....	198	0.8	5	Cerebrovascular diseases (430-438) .....	9,591	22.9
6	Diseases of heart (390-398,402,404-429) .....	185	0.7	6	Diabetes mellitus (250) .....	7,881	18.8
7	Pneumonia and influenza (480-487) .....	80	0.3	7	Chronic liver disease and cirrhosis (571) .....	7,452	17.8
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	63	0.2	8	Suicide (E950-E959) .....	6,801	16.2
9	Cerebrovascular diseases (430-438) .....	58	0.2	9	Pneumonia and influenza (480-487) .....	3,829	9.1
10	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	47	0.2	10	Human immunodeficiency virus infection (*042-*044) .....	3,202	7.6
...	All other causes (Residual) .....	996	3.9	...	All other causes (Residual) .....	36,811	87.9

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: Total of 49 reporting States and the District of Columbia, 1996—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. For a listing of reporting States, see Technical notes]

Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, 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>		
<b>White non-Hispanic origin, both sexes, 65 years and over</b>			<b>White non-Hispanic origin, male, 5-14 years</b>				
...	All causes .....	1,458,742	5,140.4	...	All causes .....	2,937	22.5
1	Diseases of heart (390-398,402,404-429) .....	523,505	1,844.7	1	Accidents and adverse effects (E800-E949) .....	1,333	10.2
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	324,475	1,143.4	...	Motor vehicle accidents (E810-E825) .....	763	5.9
3	Cerebrovascular diseases (430-438) .....	118,885	418.9	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	570	4.4
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	82,231	289.8	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	382	2.9
5	Pneumonia and influenza (480-487) .....	64,378	226.9	3	Congenital anomalies (740-759) .....	166	1.3
6	Diabetes mellitus (250) .....	34,888	122.9	4	Suicide (E950-E959) .....	157	1.2
7	Accidents and adverse effects (E800-E949) .....	26,278	92.6	5	Homicide and legal intervention (E960-E978) .....	109	0.8
...	Motor vehicle accidents (E810-E825) .....	6,456	22.7	6	Diseases of heart (390-398,402,404-429) .....	98	0.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	19,822	69.8	7	Pneumonia and influenza (480-487) .....	41	0.3
8	Alzheimer's disease (331.0) .....	19,231	67.8	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	40	0.3
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	16,482	58.1	9	Cerebrovascular diseases (430-438) .....	32	0.2
10	Atherosclerosis (440) .....	13,958	49.2	10	Human immunodeficiency virus infection (*042-*044) .....	26	0.2
...	All other causes (Residual) .....	234,431	826.1	...	All other causes (Residual) .....	553	4.2
<b>White non-Hispanic origin, male, all ages<sup>3</sup></b>			<b>White non-Hispanic origin, male, 15-24 years</b>				
...	All causes .....	918,911	982.1	...	All causes .....	12,985	105.6
1	Diseases of heart (390-398,402,404-429) .....	298,359	318.9	1	Accidents and adverse effects (E800-E949) .....	6,868	55.9
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	230,392	246.2	...	Motor vehicle accidents (E810-E825) .....	5,167	42.0
3	Cerebrovascular diseases (430-438) .....	49,617	53.0	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,701	13.8
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	47,582	50.9	2	Suicide (E950-E959) .....	2,636	21.4
5	Accidents and adverse effects (E800-E949) .....	43,919	46.9	3	Homicide and legal intervention (E960-E978) .....	791	6.4
...	Motor vehicle accidents (E810-E825) .....	20,465	21.9	4	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	590	4.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	23,454	25.1	5	Diseases of heart (390-398,402,404-429) .....	322	2.6
6	Pneumonia and influenza (480-487) .....	30,803	32.9	6	Congenital anomalies (740-759) .....	154	1.3
7	Suicide (E950-E959) .....	20,609	22.0	7	Human immunodeficiency virus infection (*042-*044) .....	80	0.7
8	Diabetes mellitus (250) .....	20,536	21.9	8	Pneumonia and influenza (480-487) .....	63	0.5
9	Chronic liver disease and cirrhosis (571) .....	11,689	12.5	9	Cerebrovascular diseases (430-438) .....	55	0.4
10	Human immunodeficiency virus infection (*042-*044) .....	10,965	11.7	10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	53	0.4
...	All other causes (Residual) .....	154,440	165.1	...	All other causes (Residual) .....	1,373	11.2
<b>White non-Hispanic origin, male, 1-4 years</b>			<b>White non-Hispanic origin, male, 25-44 years</b>				
...	All causes .....	1,817	36.2	...	All causes .....	60,653	203.4
1	Accidents and adverse effects (E800-E949) .....	714	14.2	1	Accidents and adverse effects (E800-E949) .....	13,689	45.9
...	Motor vehicle accidents (E810-E825) .....	235	4.7	...	Motor vehicle accidents (E810-E825) .....	6,898	23.1
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	479	9.6	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	6,791	22.8
2	Congenital anomalies (740-759) .....	183	3.6	2	Suicide (E950-E959) .....	8,066	27.1
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	173	3.4	3	Diseases of heart (390-398,402,404-429) .....	7,918	26.6
4	Homicide and legal intervention (E960-E978) .....	88	1.8	4	Human immunodeficiency virus infection (*042-*044) .....	7,705	25.8
5	Diseases of heart (390-398,402,404-429) .....	54	1.1	5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	7,123	23.9
6	Pneumonia and influenza (480-487) .....	41	0.8	6	Homicide and legal intervention (E960-E978) .....	2,058	6.9
7	Septicemia (038) .....	27	0.5	7	Chronic liver disease and cirrhosis (571) .....	1,886	6.3
8	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	24	0.5	8	Cerebrovascular diseases (430-438) .....	978	3.3
9	Certain conditions originating in the perinatal period (760-779) .....	16	*	9	Diabetes mellitus (250) .....	975	3.3
10	Cerebrovascular diseases (430-438) .....	13	*	10	Pneumonia and influenza (480-487) .....	673	2.3
...	All other causes (Residual) .....	484	9.7	...	All other causes (Residual) .....	9,582	32.1

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: Total of 49 reporting States and the District of Columbia, 1996—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. For a listing of reporting States, see Technical notes]

Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, 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>		
<b>White non-Hispanic origin, male, 45-64 years</b>			<b>White non-Hispanic origin, female, 1-4 years</b>				
...	All causes .....	169,430	825.8	...	All causes .....	1,321	27.8
1	Diseases of heart (390-398,402,404-429) .....	54,201	264.2	1	Accidents and adverse effects (E800-E949) .....	451	9.5
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	53,983	263.1	...	Motor vehicle accidents (E810-E825) .....	189	4.0
3	Accidents and adverse effects (E800-E949) .....	8,354	40.7	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	262	5.5
...	Motor vehicle accidents (E810-E825) .....	3,774	18.4	2	Congenital anomalies (740-759) .....	164	3.4
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	4,580	22.3	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	110	2.3
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	5,474	26.7	4	Homicide and legal intervention (E960-E978) .....	77	1.6
5	Chronic liver disease and cirrhosis (571) .....	5,301	25.8	5	Diseases of heart (390-398,402,404-429) .....	45	0.9
6	Suicide (E950-E959) .....	5,247	25.6	6	Pneumonia and influenza (480-487) .....	42	0.9
7	Cerebrovascular diseases (430-438) .....	5,172	25.2	7	Human immunodeficiency virus infection (*042-*044) .....	20	0.4
8	Diabetes mellitus (250) .....	4,481	21.8	8	Septicemia (038) .....	17	*
9	Human immunodeficiency virus infection (*042-*044) .....	2,943	14.3	9	Meningococcal infection (036) .....	16	*
10	Pneumonia and influenza (480-487) .....	2,256	11.0	9	Cerebrovascular diseases (430-438) .....	16	*
...	All other causes (Residual) .....	22,018	107.3	...	All other causes (Residual) .....	363	7.6
<b>White non-Hispanic origin, male, 65 years and over</b>			<b>White non-Hispanic origin, female, 5-14 years</b>				
...	All causes .....	663,007	5,681.8	...	All causes .....	1,961	15.9
1	Diseases of heart (390-398,402,404-429) .....	235,571	2,018.8	1	Accidents and adverse effects (E800-E949) .....	786	6.4
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	168,113	1,440.7	...	Motor vehicle accidents (E810-E825) .....	523	4.2
3	Cerebrovascular diseases (430-438) .....	43,300	371.1	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	263	2.1
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	41,685	357.2	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	285	2.3
5	Pneumonia and influenza (480-487) .....	27,601	236.5	3	Congenital anomalies (740-759) .....	105	0.9
6	Diabetes mellitus (250) .....	15,031	128.8	4	Homicide and legal intervention (E960-E978) .....	89	0.7
7	Accidents and adverse effects (E800-E949) .....	12,699	108.8	5	Diseases of heart (390-398,402,404-429) .....	87	0.7
...	Motor vehicle accidents (E810-E825) .....	3,556	30.5	6	Suicide (E950-E959) .....	57	0.5
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	9,143	78.4	7	Pneumonia and influenza (480-487) .....	39	0.3
8	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	7,801	66.9	8	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	27	0.2
9	Alzheimer's disease (331.0) .....	6,227	53.4	9	Cerebrovascular diseases (430-438) .....	26	0.2
10	Septicemia (038) .....	5,434	46.6	10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	23	0.2
...	All other causes (Residual) .....	99,545	853.1	...	All other causes (Residual) .....	437	3.5
<b>White non-Hispanic origin, female, all ages<sup>3</sup></b>			<b>White non-Hispanic origin, female, 15-24 years</b>				
...	All causes .....	943,704	965.0	...	All causes .....	4,946	42.4
1	Diseases of heart (390-398,402,404-429) .....	311,857	318.9	1	Accidents and adverse effects (E800-E949) .....	2,553	21.9
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	213,485	218.3	...	Motor vehicle accidents (E810-E825) .....	2,197	18.8
3	Cerebrovascular diseases (430-438) .....	81,024	82.9	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	356	3.0
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	46,121	47.2	2	Suicide (E950-E959) .....	448	3.8
5	Pneumonia and influenza (480-487) .....	39,037	39.9	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	410	3.5
6	Accidents and adverse effects (E800-E949) .....	25,811	26.4	4	Homicide and legal intervention (E960-E978) .....	321	2.7
...	Motor vehicle accidents (E810-E825) .....	10,766	11.0	5	Diseases of heart (390-398,402,404-429) .....	185	1.6
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	15,045	15.4	6	Congenital anomalies (740-759) .....	97	0.8
7	Diabetes mellitus (250) .....	23,933	24.5	7	Pneumonia and influenza (480-487) .....	54	0.5
8	Alzheimer's disease (331.0) .....	13,167	13.5	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	51	0.4
9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	9,503	9.7	9	Cerebrovascular diseases (430-438) .....	43	0.4
10	Septicemia (038) .....	9,272	9.5	10	Human immunodeficiency virus infection (*042-*044) .....	37	0.3
...	All other causes (Residual) .....	170,494	174.3	...	All other causes (Residual) .....	747	6.4

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: Total of 49 reporting States and the District of Columbia, 1996—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. For a listing of reporting States, see Technical notes]

Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, 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>		
<b>White non-Hispanic origin, female, 25-44 years</b>			<b>Black non-Hispanic origin, both sexes, all ages<sup>3</sup></b>				
...	All causes .....	27,822	93.4	...	All causes .....	276,720	875.0
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	8,248	27.7	1	Diseases of heart (390-398,402,404-429) .....	76,186	240.9
2	Accidents and adverse effects (E800-E949) .....	4,680	15.7	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	59,831	189.2
...	Motor vehicle accidents (E810-E825) .....	2,969	10.0	3	Cerebrovascular diseases (430-438) .....	18,174	57.5
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,711	5.7	4	Human immunodeficiency virus infection (*042-*044) .....	13,703	43.3
3	Diseases of heart (390-398,402,404-429) .....	2,695	9.0	5	Accidents and adverse effects (E800-E949) .....	12,341	39.0
4	Suicide (E950-E959) .....	2,002	6.7	...	Motor vehicle accidents (E810-E825) .....	5,396	17.1
5	Human immunodeficiency virus infection (*042-*044) .....	927	3.1	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	6,945	22.0
6	Homicide and legal intervention (E960-E978) .....	914	3.1	6	Diabetes mellitus (250) .....	10,645	33.7
7	Cerebrovascular diseases (430-438) .....	870	2.9	7	Homicide and legal intervention (E960-E978) .....	9,729	30.8
8	Chronic liver disease and cirrhosis (571) .....	773	2.6	8	Pneumonia and influenza (480-487) .....	7,803	24.7
9	Diabetes mellitus (250) .....	632	2.1	9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	6,802	21.5
10	Pneumonia and influenza (480-487) .....	475	1.6	10	Certain conditions originating in the perinatal period (760-779) .....	4,514	14.3
...	All other causes (Residual) .....	5,606	18.8	...	All other causes (Residual) .....	56,992	180.2
<b>White non-Hispanic origin, female, 45-64 years</b>			<b>Black non-Hispanic origin, both sexes, 1-4 years</b>				
...	All causes .....	105,620	494.3	...	All causes .....	1,568	70.2
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	48,031	224.8	1	Accidents and adverse effects (E800-E949) .....	509	22.8
2	Diseases of heart (390-398,402,404-429) .....	20,745	97.1	...	Motor vehicle accidents (E810-E825) .....	171	7.7
3	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	5,121	24.0	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	338	15.1
4	Cerebrovascular diseases (430-438) .....	4,419	20.7	2	Homicide and legal intervention (E960-E978) .....	169	7.6
5	Accidents and adverse effects (E800-E949) .....	3,574	16.7	3	Congenital anomalies (740-759) .....	148	6.6
...	Motor vehicle accidents (E810-E825) .....	1,927	9.0	4	Human immunodeficiency virus infection (*042-*044) .....	91	4.1
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,647	7.7	5	Diseases of heart (390-398,402,404-429) .....	67	3.0
6	Diabetes mellitus (250) .....	3,400	15.9	6	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	58	2.6
7	Chronic liver disease and cirrhosis (571) .....	2,151	10.1	7	Pneumonia and influenza (480-487) .....	50	2.2
8	Pneumonia and influenza (480-487) .....	1,573	7.4	8	Septicemia (038) .....	27	1.2
9	Suicide (E950-E959) .....	1,554	7.3	8	Anemias (280-285) .....	27	1.2
10	Septicemia (038) .....	741	3.5	10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	24	1.1
...	All other causes (Residual) .....	14,311	67.0	...	All other causes (Residual) .....	398	17.8
<b>White non-Hispanic origin, female, 65 years and over</b>			<b>Black non-Hispanic origin, both sexes, 5-14 years</b>				
...	All causes .....	795,735	4,762.2	...	All causes .....	1,866	33.1
1	Diseases of heart (390-398,402,404-429) .....	287,934	1,723.2	1	Accidents and adverse effects (E800-E949) .....	712	12.6
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	156,362	935.8	...	Motor vehicle accidents (E810-E825) .....	334	5.9
3	Cerebrovascular diseases (430-438) .....	75,585	452.4	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	378	6.7
4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	40,546	242.7	2	Homicide and legal intervention (E960-E978) .....	189	3.4
5	Pneumonia and influenza (480-487) .....	36,777	220.1	3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	165	2.9
6	Diabetes mellitus (250) .....	19,857	118.8	4	Congenital anomalies (740-759) .....	97	1.7
7	Accidents and adverse effects (E800-E949) .....	13,579	81.3	5	Human immunodeficiency virus infection (*042-*044) .....	96	1.7
...	Motor vehicle accidents (E810-E825) .....	2,900	17.4	6	Diseases of heart (390-398,402,404-429) .....	88	1.6
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	10,679	63.9	7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	75	1.3
8	Alzheimer's disease (331.0) .....	13,004	77.8	8	Suicide (E950-E959) .....	32	0.6
9	Atherosclerosis (440) .....	8,952	53.6	9	Pneumonia and influenza (480-487) .....	26	0.5
10	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	8,681	52.0	10	Anemias (280-285) .....	23	0.4
...	All other causes (Residual) .....	134,458	804.7	...	All other causes (Residual) .....	363	6.4

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: Total of 49 reporting States and the District of Columbia, 1996—Con.**

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Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, 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>		
<b>Black non-Hispanic origin, both sexes, 15-24 years</b>			<b>Black non-Hispanic origin, both sexes, 65 years and over</b>				
...	All causes .....	8,064	156.0	...	All causes .....	152,291	5,709.0
1	Homicide and legal intervention (E960-E978) .....	3,699	71.6	1	Diseases of heart (390-398,402,404-429) .....	52,556	1,970.2
2	Accidents and adverse effects (E800-E949) .....	1,798	34.8	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	36,445	1,366.2
...	Motor vehicle accidents (E810-E825) .....	1,305	25.2	3	Cerebrovascular diseases (430-438) .....	13,048	489.1
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	493	9.5	4	Diabetes mellitus (250) .....	6,947	260.4
3	Suicide (E950-E959) .....	510	9.9	5	Pneumonia and influenza (480-487) .....	5,610	210.3
4	Diseases of heart (390-398,402,404-429) .....	324	6.3	6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	4,710	176.6
5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	288	5.6	7	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	2,955	110.8
6	Human immunodeficiency virus infection (*042-*044) .....	223	4.3	8	Septicemia (038) .....	2,623	98.3
7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	102	2.0	9	Accidents and adverse effects (E800-E949) .....	2,450	91.8
8	Pneumonia and influenza (480-487) .....	64	1.2	...	Motor vehicle accidents (E810-E825) .....	592	22.2
9	Anemias (280-285) .....	63	1.2	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,858	69.7
9	Congenital anomalies (740-759) .....	63	1.2	10	Hypertension with or without renal disease (401,403) .....	1,974	74.0
...	All other causes (Residual) .....	930	18.0	...	All other causes (Residual) .....	22,973	861.2
<b>Black non-Hispanic origin, both sexes, 25-44 years</b>			<b>Black non-Hispanic origin, male, all ages<sup>3</sup></b>				
...	All causes .....	37,470	370.4	...	All causes .....	146,469	978.7
1	Human immunodeficiency virus infection (*042-*044) .....	9,490	93.8	1	Diseases of heart (390-398,402,404-429) .....	36,596	244.5
2	Homicide and legal intervention (E960-E978) .....	4,388	43.4	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	32,471	217.0
3	Diseases of heart (390-398,402,404-429) .....	4,309	42.6	3	Human immunodeficiency virus infection (*042-*044) .....	10,091	67.4
4	Accidents and adverse effects (E800-E949) .....	4,091	40.4	4	Accidents and adverse effects (E800-E949) .....	8,420	56.3
...	Motor vehicle accidents (E810-E825) .....	2,030	20.1	...	Motor vehicle accidents (E810-E825) .....	3,769	25.2
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,061	20.4	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	4,651	31.1
5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	3,896	38.5	5	Homicide and legal intervention (E960-E978) .....	7,977	53.3
6	Cerebrovascular diseases (430-438) .....	1,103	10.9	6	Cerebrovascular diseases (430-438) .....	7,846	52.4
7	Suicide (E950-E959) .....	1,040	10.3	7	Pneumonia and influenza (480-487) .....	4,076	27.2
8	Chronic liver disease and cirrhosis (571) .....	703	6.9	8	Diabetes mellitus (250) .....	4,068	27.2
9	Pneumonia and influenza (480-487) .....	637	6.3	9	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	3,858	25.8
10	Diabetes mellitus (250) .....	603	6.0	10	Certain conditions originating in the perinatal period (760-779) .....	2,515	16.8
...	All other causes (Residual) .....	7,210	71.3	...	All other causes (Residual) .....	28,551	190.8
<b>Black non-Hispanic origin, both sexes, 45-64 years</b>			<b>Black non-Hispanic origin, male, 1-4 years</b>				
...	All causes .....	66,969	1,261.9	...	All causes .....	840	74.5
1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	18,965	357.4	1	Accidents and adverse effects (E800-E949) .....	301	26.7
2	Diseases of heart (390-398,402,404-429) .....	18,650	351.4	...	Motor vehicle accidents (E810-E825) .....	98	8.7
3	Cerebrovascular diseases (430-438) .....	3,901	73.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	203	18.0
4	Human immunodeficiency virus infection (*042-*044) .....	3,488	65.7	2	Homicide and legal intervention (E960-E978) .....	81	7.2
5	Diabetes mellitus (250) .....	3,033	57.1	3	Congenital anomalies (740-759) .....	68	6.0
6	Accidents and adverse effects (E800-E949) .....	2,556	48.2	4	Human immunodeficiency virus infection (*042-*044) .....	52	4.6
...	Motor vehicle accidents (E810-E825) .....	919	17.3	5	Pneumonia and influenza (480-487) .....	31	2.7
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,637	30.8	6	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	29	2.6
7	Chronic liver disease and cirrhosis (571) .....	1,526	28.8	7	Diseases of heart (390-398,402,404-429) .....	28	2.5
8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	1,475	27.8	8	Anemias (280-285) .....	16	*
9	Pneumonia and influenza (480-487) .....	1,256	23.7	8	Certain conditions originating in the perinatal period (760-779) .....	16	*
10	Homicide and legal intervention (E960-E978) .....	915	17.2	10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	15	*
...	All other causes (Residual) .....	11,204	211.1	...	All other causes (Residual) .....	203	18.0

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: Total of 49 reporting States and the District of Columbia, 1996—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. For a listing of reporting States, see Technical notes]

Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, 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>		
<b>Black non-Hispanic origin, male, 5-14 years</b>			<b>Black non-Hispanic origin, male, 45-64 years</b>				
...	All causes .....	1,129	39.5	...	All causes .....	40,012	1,694.1
1	Accidents and adverse effects (E800-E949) .....	476	16.6	1	Diseases of heart (390-398,402,404-429) .....	11,307	478.7
...	Motor vehicle accidents (E810-E825) .....	217	7.6	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	10,532	445.9
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	259	9.1	3	Human immunodeficiency virus infection (*042-*044) .....	2,747	116.3
2	Homicide and legal intervention (E960-E978) .....	117	4.1	4	Cerebrovascular diseases (430-438) .....	2,203	93.3
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	87	3.0	5	Accidents and adverse effects (E800-E949) .....	1,880	79.6
4	Congenital anomalies (740-759) .....	59	2.1	...	Motor vehicle accidents (E810-E825) .....	651	27.6
5	Diseases of heart (390-398,402,404-429) .....	52	1.8	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,229	52.0
6	Human immunodeficiency virus infection (*042-*044) .....	49	1.7	6	Diabetes mellitus (250) .....	1,365	57.8
7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	39	1.4	7	Chronic liver disease and cirrhosis (571) .....	1,055	44.7
8	Suicide (E950-E959) .....	25	0.9	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	815	34.5
9	Pneumonia and influenza (480-487) .....	16	*	9	Pneumonia and influenza (480-487) .....	810	34.3
10	Anemias (280-285) .....	14	*	10	Homicide and legal intervention (E960-E978) .....	733	31.0
...	All other causes (Residual) .....	195	6.8	...	All other causes (Residual) .....	6,565	278.0
<b>Black non-Hispanic origin, male, 15-24 years</b>			<b>Black non-Hispanic origin, male, 65 years and over</b>				
...	All causes .....	6,275	242.6	...	All causes .....	69,165	6,690.7
1	Homicide and legal intervention (E960-E978) .....	3,310	128.0	1	Diseases of heart (390-398,402,404-429) .....	22,305	2,157.7
2	Accidents and adverse effects (E800-E949) .....	1,358	52.5	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	19,963	1,931.1
...	Motor vehicle accidents (E810-E825) .....	944	36.5	3	Cerebrovascular diseases (430-438) .....	5,059	489.4
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	414	16.0	4	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	2,728	263.9
3	Suicide (E950-E959) .....	450	17.4	5	Pneumonia and influenza (480-487) .....	2,704	261.6
4	Diseases of heart (390-398,402,404-429) .....	204	7.9	6	Diabetes mellitus (250) .....	2,332	225.6
5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	160	6.2	7	Accidents and adverse effects (E800-E949) .....	1,336	129.2
6	Human immunodeficiency virus infection (*042-*044) .....	116	4.5	...	Motor vehicle accidents (E810-E825) .....	378	36.6
7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	60	2.3	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	958	92.7
8	Congenital anomalies (740-759) .....	36	1.4	8	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	1,206	116.7
9	Pneumonia and influenza (480-487) .....	31	1.2	9	Septicemia (038) .....	1,041	100.7
10	Anemias (280-285) .....	30	1.2	10	Hypertension with or without renal disease (401,403) .....	748	72.4
...	All other causes (Residual) .....	520	20.1	...	All other causes (Residual) .....	9,743	942.5
<b>Black non-Hispanic origin, male, 25-44 years</b>			<b>Black non-Hispanic origin, female, all ages<sup>3</sup></b>				
...	All causes .....	24,341	513.1	...	All causes .....	130,251	781.8
1	Human immunodeficiency virus infection (*042-*044) .....	6,886	145.1	1	Diseases of heart (390-398,402,404-429) .....	39,590	237.6
2	Homicide and legal intervention (E960-E978) .....	3,509	74.0	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	27,360	164.2
3	Accidents and adverse effects (E800-E949) .....	2,946	62.1	3	Cerebrovascular diseases (430-438) .....	10,328	62.0
...	Motor vehicle accidents (E810-E825) .....	1,458	30.7	4	Diabetes mellitus (250) .....	6,577	39.5
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	1,488	31.4	5	Accidents and adverse effects (E800-E949) .....	3,921	23.5
4	Diseases of heart (390-398,402,404-429) .....	2,588	54.5	...	Motor vehicle accidents (E810-E825) .....	1,627	9.8
5	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	1,689	35.6	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	2,294	13.8
6	Suicide (E950-E959) .....	878	18.5	6	Pneumonia and influenza (480-487) .....	3,727	22.4
7	Cerebrovascular diseases (430-438) .....	527	11.1	7	Human immunodeficiency virus infection (*042-*044) .....	3,612	21.7
8	Chronic liver disease and cirrhosis (571) .....	454	9.6	8	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	2,944	17.7
9	Pneumonia and influenza (480-487) .....	396	8.3	9	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	2,223	13.3
10	Diabetes mellitus (250) .....	341	7.2	10	Septicemia (038) .....	2,113	12.7
...	All other causes (Residual) .....	4,127	87.0	...	All other causes (Residual) .....	27,856	167.2

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: Total of 49 reporting States and the District of Columbia, 1996—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. For a listing of reporting States, see Technical notes]

Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, sex, and age			Cause of death (Based on the <i>Ninth Revision, International Classification of Diseases, 1975</i> ), race, 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>		
<b>Black non-Hispanic origin, female, 1-4 years</b>			<b>Black non-Hispanic origin, female, 25-44 years</b>				
...	All causes .....	728	65.8	...	All causes .....	13,129	244.4
1	Accidents and adverse effects (E800-E949) .....	208	18.8	1	Human immunodeficiency virus		
...	Motor vehicle accidents (E810-E825) .....	73	6.6	...	infection (*042-044) .....	2,604	48.5
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	135	12.2	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	2,207	41.1
2	Homicide and legal intervention (E960-E978) .....	88	8.0	3	Diseases of heart (390-398,402,404-429) .....	1,721	32.0
3	Congenital anomalies (740-759) .....	80	7.2	4	Accidents and adverse effects (E800-E949) .....	1,145	21.3
4	Diseases of heart (390-398,402,404-429) .....	39	3.5	...	Motor vehicle accidents (E810-E825) .....	572	10.6
4	Human immunodeficiency virus infection (*042-044) .....	39	3.5	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	573	10.7
6	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	29	2.6	5	Homicide and legal intervention (E960-E978) .....	879	16.4
7	Pneumonia and influenza (480-487) .....	19	*	6	Cerebrovascular diseases (430-438) .....	576	10.7
8	Septicemia (038) .....	14	*	7	Diabetes mellitus (250) .....	262	4.9
9	Anemias (280-285) .....	11	*	8	Chronic liver disease and cirrhosis (571) .....	249	4.6
9	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	11	*	9	Pneumonia and influenza (480-487) .....	241	4.5
...	All other causes (Residual) .....	190	17.2	10	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	210	3.9
<b>Black non-Hispanic origin, female, 5-14 years</b>			<b>Black non-Hispanic origin, female, 45-64 years</b>				
...	All causes .....	737	26.6	...	All causes .....	26,957	915.3
1	Accidents and adverse effects (E800-E949) .....	236	8.5	1	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	8,433	286.3
...	Motor vehicle accidents (E810-E825) .....	117	4.2	2	Diseases of heart (390-398,402,404-429) .....	7,343	249.3
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	119	4.3	3	Cerebrovascular diseases (430-438) .....	1,698	57.7
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	78	2.8	4	Diabetes mellitus (250) .....	1,668	56.6
3	Homicide and legal intervention (E960-E978) .....	72	2.6	5	Human immunodeficiency virus infection (*042-044) .....	741	25.2
4	Human immunodeficiency virus infection (*042-044) .....	47	1.7	6	Accidents and adverse effects (E800-E949) .....	676	23.0
5	Congenital anomalies (740-759) .....	38	1.4	...	Motor vehicle accidents (E810-E825) .....	288	9.1
6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	36	1.3	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	408	13.9
6	Diseases of heart (390-398,402,404-429) .....	36	1.3	7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	660	22.4
8	Meningococcal infection (036) .....	10	*	8	Chronic liver disease and cirrhosis (571) .....	471	16.0
8	Pneumonia and influenza (480-487) .....	10	*	9	Pneumonia and influenza (480-487) .....	446	15.1
8	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	10	*	10	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	351	11.9
...	All other causes (Residual) .....	164	5.9	...	All other causes (Residual) .....	4,470	151.8
<b>Black non-Hispanic origin, female, 15-24 years</b>			<b>Black non-Hispanic origin, female, 65 years and over</b>				
...	All causes .....	1,789	69.3	...	All causes .....	83,126	5,087.9
1	Accidents and adverse effects (E800-E949) .....	440	17.0	1	Diseases of heart (390-398,402,404-429) .....	30,251	1,851.6
...	Motor vehicle accidents (E810-E825) .....	361	14.0	2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	16,482	1,008.8
...	All other accidents and adverse effects (E800-E807,E826-E949) .....	79	3.1	3	Cerebrovascular diseases (430-438) .....	7,989	489.0
2	Homicide and legal intervention (E960-E978) .....	389	15.1	4	Diabetes mellitus (250) .....	4,615	282.5
3	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	128	5.0	5	Pneumonia and influenza (480-487) .....	2,906	177.9
4	Diseases of heart (390-398,402,404-429) .....	120	4.6	6	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	1,982	121.3
5	Human immunodeficiency virus infection (*042-044) .....	107	4.1	7	Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	1,749	107.1
6	Suicide (E950-E959) .....	60	2.3	8	Septicemia (038) .....	1,582	96.8
7	Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	42	1.6	9	Hypertension with or without renal disease (401,403) .....	1,226	75.0
8	Complications of pregnancy, childbirth, and the puerperium (630-676) .....	34	1.3	10	Accidents and adverse effects (E800-E949) .....	1,114	68.2
9	Pneumonia and influenza (480-487) .....	33	1.3	...	Motor vehicle accidents (E810-E825) .....	214	13.1
9	Anemias (280-285) .....	33	1.3	...	All other accidents and adverse effects (E800-E807,E826-E949) .....	900	55.1
...	All other causes (Residual) .....	403	15.6	...	All other causes (Residual) .....	13,230	809.8

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

... Category not applicable.

<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, 1996**

[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 .....	2,314,690	28,487	5,948	8,330	32,443	51,147	96,033	144,329	233,725	473,894	663,290	576,541	523
Shigellosis and amebiasis (004,006) .....	9	-	1	-	-	-	-	2	2	1	2	1	-
Certain other intestinal infections (007-009) .....	824	207	8	7	2	7	12	16	52	98	191	224	-
Tuberculosis (010-018) .....	1,202	2	2	2	14	43	97	129	167	245	309	192	-
Tuberculosis of respiratory system (010-012) .....	912	2	-	2	11	25	68	93	124	180	246	161	-
Other tuberculosis (013-018) .....	290	-	2	-	3	18	29	36	43	65	63	31	-
Whooping cough (033) .....	4	4	-	-	-	-	-	-	-	-	-	-	-
Streptococcal sore throat, scarlatina, and erysipelas (034-035) .....	13	1	-	-	2	-	-	2	4	1	1	2	-
Meningococcal infection (036) .....	290	39	41	40	57	16	23	23	16	15	13	7	-
Septicemia (038) .....	21,423	199	83	41	69	266	626	1,042	1,759	4,058	6,781	6,498	1
Acute poliomyelitis (045) .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (055) .....	1	-	-	-	-	-	-	1	-	-	-	-	-
Viral hepatitis (070) .....	3,780	1	3	7	23	131	699	782	592	807	595	139	1
Syphilis (090-097) .....	73	6	-	-	1	4	7	4	6	14	16	15	-
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044,046-054,056-066,071-088,098-139) .....	38,172	249	255	270	545	8,500	14,479	7,095	2,688	1,930	1,434	720	7
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	539,533	87	424	1,028	1,632	4,845	17,049	44,627	86,828	160,864	154,480	67,644	25
Malignant neoplasms of lip, oral cavity, and pharynx (140-149) .....	7,854	-	1	5	25	69	325	966	1,760	2,267	1,678	757	1
Malignant neoplasms of digestive organs and peritoneum (150-159) .....	126,495	4	17	19	117	630	3,074	9,131	19,020	36,450	38,263	19,764	6
Malignant neoplasms of respiratory and intrathoracic organs (160-165) .....	157,271	1	1	8	25	311	2,826	12,478	30,830	56,972	42,869	10,942	8
Malignant neoplasm of breast (174-175) .....	43,448	1	-	1	18	540	3,110	6,447	7,604	10,354	9,811	5,561	1
Malignant neoplasms of genital organs (179-187) .....	60,080	-	1	4	90	568	1,558	3,170	6,412	15,792	21,024	11,457	4
Malignant neoplasms of urinary organs (188-189) .....	23,004	5	13	27	29	81	445	1,557	3,214	6,454	7,303	3,875	1
Malignant neoplasms of all other and unspecified sites (170-173,190-199) .....	66,451	43	228	553	641	1,350	3,428	6,845	10,708	17,834	16,843	7,975	3
Leukemia (204-208) .....	20,340	32	150	350	430	571	814	1,387	2,377	5,164	6,034	3,031	-
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203) .....	34,590	1	13	61	257	725	1,469	2,646	4,903	9,577	10,655	4,282	1
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	7,647	60	70	85	98	164	357	499	790	1,514	2,337	1,672	1
Diabetes mellitus (250) .....	61,767	-	6	26	145	647	1,879	4,258	8,429	16,553	18,989	10,834	1
Nutritional deficiencies (260-269) .....	3,706	12	3	3	6	15	26	67	111	360	1,024	2,078	1
Anemias (280-285) .....	4,332	31	40	54	92	165	204	200	259	588	1,166	1,532	1
Meningitis (320-322) .....	758	103	38	31	25	41	80	89	76	107	116	49	3
Major cardiovascular diseases (390-448) .....	950,164	881	272	437	1,216	4,313	16,739	42,597	80,998	181,372	303,158	318,087	94
Diseases of heart (390-398,402,404-429) .....	733,361	625	217	334	969	3,350	13,217	35,034	67,335	144,915	229,762	237,522	81
Rheumatic fever and rheumatic heart disease (390-398) .....	5,006	9	7	4	32	81	209	336	552	1,195	1,630	951	-
Hypertensive heart disease (402) .....	26,188	-	-	1	26	196	883	2,102	3,036	4,779	7,154	8,006	5
Hypertensive heart and renal disease (404) .....	2,501	-	-	-	4	19	52	102	208	401	820	895	-
Ischemic heart disease (410-414) .....	476,124	24	5	19	113	1,037	6,750	21,145	43,601	98,208	154,539	150,652	31
Acute myocardial infarction (410) .....	213,532	13	3	9	59	554	3,625	11,929	23,791	48,938	69,489	55,109	13
Other acute and subacute forms of ischemic heart disease (411) .....	2,889	1	-	-	3	19	118	260	416	607	718	745	2
Angina pectoris (413) .....	829	-	-	-	1	2	18	21	53	148	257	329	-
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414) .....	258,874	10	2	10	50	462	2,989	8,935	19,341	48,515	84,075	94,469	16
Other diseases of endocardium (424) .....	17,181	7	5	9	24	97	269	448	875	2,468	5,760	7,218	1
All other forms of heart disease (415-423,425-429) .....	206,361	585	200	301	770	1,920	5,054	10,901	19,063	37,864	59,859	69,800	44

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, 1996-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) ...	12,945	8	-	3	19	56	214	581	1,003	2,399	4,266	4,396	-
Cerebrovascular diseases (430-438) .....	159,942	233	49	84	167	720	2,722	5,792	9,676	25,306	54,520	60,662	11
Intracerebral and other intracranial hemorrhage (431-432) .....	23,573	36	10	34	61	244	1,059	2,265	2,815	5,288	7,555	4,204	2
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) .....	13,022	17	5	5	11	35	127	346	709	2,050	4,383	5,333	1
Cerebral embolism (434.1) .....	672	1	-	-	1	5	7	21	40	142	255	200	-
All other and late effects of cerebrovascular diseases (430,433,435-438) .....	122,675	179	34	45	94	436	1,529	3,160	6,112	17,826	42,327	50,925	8
Atherosclerosis (440) .....	16,740	2	-	-	1	10	60	204	571	1,885	4,915	9,091	1
Other diseases of arteries, arterioles, and capillaries (441-448) .....	27,176	13	6	16	60	177	526	986	2,413	6,867	9,695	6,416	1
Acute bronchitis and bronchiolitis (466) .....	486	65	25	6	1	4	6	16	25	72	109	157	-
Pneumonia and influenza (480-487) .....	83,727	496	168	136	203	568	1,461	2,093	3,613	10,597	26,355	38,027	10
Pneumonia (480-486) .....	82,982	481	165	128	195	560	1,447	2,072	3,575	10,513	26,172	37,664	10
Influenza (487) .....	745	15	3	8	8	8	14	21	38	84	183	363	-
Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	106,027	38	51	165	237	351	855	2,801	10,046	30,171	40,952	20,347	13
Bronchitis, chronic and unspecified (490-491) .....	3,151	27	11	12	9	28	49	104	266	772	1,095	777	1
Emphysema (492) .....	17,286	2	1	-	1	9	70	462	1,949	5,733	6,744	2,315	-
Asthma (493) .....	5,667	8	34	149	214	288	496	649	816	1,095	1,177	739	2
Other chronic obstructive pulmonary diseases and allied conditions (494-496) .....	79,923	1	5	4	13	26	240	1,586	7,015	22,571	31,936	16,516	10
Ulcer of stomach and duodenum (531-533) .....	5,105	12	4	5	8	29	139	264	411	972	1,685	1,573	3
Appendicitis (540-543) .....	424	1	2	25	18	11	28	34	49	82	109	65	-
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	6,476	69	24	22	24	50	104	169	330	905	2,128	2,651	-
Chronic liver disease and cirrhosis (571) .....	25,047	17	5	5	20	570	3,640	5,431	5,312	5,725	3,507	805	10
Cholelithiasis and other disorders of gallbladder (574-575) .....	2,816	4	1	3	7	22	49	101	204	562	930	933	-
Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	24,304	144	16	27	59	153	476	879	1,679	4,633	8,353	7,883	2
Acute glomerulonephritis and nephrotic syndrome (580-581) .....	321	8	5	3	5	5	7	15	21	55	119	78	-
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) .....	1,638	3	2	5	12	17	46	91	89	311	516	546	-
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589) .....	22,345	133	9	19	42	131	423	773	1,569	4,267	7,718	7,259	2
Infections of kidney (590) .....	896	6	4	1	5	15	25	28	65	142	284	320	1
Hyperplasia of prostate (600) .....	457	-	-	-	-	-	-	3	10	47	166	231	-
Complications of pregnancy, childbirth, and the puerperium (630-676) .....	294	...	...	-	65	139	88	2	...	...	...	...	-
Pregnancy with abortive outcome (630-638) .....	39	...	...	-	14	15	10	-	...	...	...	...	-
Other complications of pregnancy, childbirth, and the puerperium (640-676) .....	255	...	...	-	51	124	78	2	...	...	...	...	-
Congenital anomalies (740-759) .....	11,836	6,381	638	457	382	392	534	527	480	672	813	559	1
Certain conditions originating in the perinatal period (760-779) .....	13,069	12,955	60	24	8	4	7	4	-	1	-	-	6
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769) .....	1,993	1,956	15	11	4	2	3	1	-	-	-	-	1
Other conditions originating in the perinatal period (760-766,770-779) .....	11,076	10,999	45	13	4	2	4	3	-	1	-	-	5
Symptoms, signs, and ill-defined conditions (780-799) ..	26,190	3,883	283	172	687	1,270	2,150	2,011	1,863	2,901	4,511	6,373	86
All other diseases (Residual) .....	223,540	1,340	800	954	1,710	3,535	8,128	11,453	16,010	35,599	68,386	75,599	26
Accidents and adverse effects (E800-E949) .....	94,948	804	2,147	3,433	13,809	12,825	14,267	9,846	6,871	8,780	11,662	10,388	116
Motor vehicle accidents (E810-E825) .....	43,649	215	820	1,980	10,576	7,729	6,753	4,553	3,196	3,419	3,233	1,132	43

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, 1996-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>
All other accidents and adverse effects (E800-E807,E826-E949) .....	51,299	589	1,327	1,453	3,233	5,096	7,514	5,293	3,675	5,361	8,429	9,256	73
Suicide (E950-E959) .....	30,903	...	...	302	4,358	5,861	6,741	4,837	2,925	2,806	2,290	759	24
Homicide and legal intervention (E960-E978) .....	20,971	332	420	514	6,548	5,428	3,894	1,896	875	554	335	112	63
All other external causes (E980-E999) .....	3,476	58	54	48	367	763	1,163	502	180	146	103	65	27
Human immunodeficiency virus infection <sup>1</sup> (*042-*044) ..	31,130	40	147	177	413	8,048	13,637	6,259	1,794	503	87	18	7
Alzheimer's disease <sup>2</sup> (331.0) .....	21,397	-	-	-	-	-	5	29	286	2,049	8,319	10,709	-

- 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.

Table 11. Death rates for 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by age: United States, 1996

[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 .....	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
Shigellosis and amebiasis (004,006) .....	*	*	*	*	*	*	*	*	*	*	*	*
Certain other intestinal infections (007-009) .....	0.3	5.5	*	*	*	*	*	*	0.2	0.5	1.7	6.0
Tuberculosis (010-018) .....	0.5	*	*	*	*	0.1	0.2	0.4	0.8	1.3	2.7	5.1
Tuberculosis of respiratory system (010-012) .....	0.3	*	*	*	*	0.1	0.2	0.3	0.6	1.0	2.2	4.3
Other tuberculosis (013-018) .....	0.1	*	*	*	*	*	0.1	0.1	0.2	0.3	0.6	0.8
Whooping cough (033) .....	*	*	*	*	*	*	*	*	*	*	*	*
Streptococcal sore throat, scarlatina, and erysipelas (034-035) .....	*	*	*	*	*	*	*	*	*	*	*	*
Meningococcal infection (036) .....	0.1	1.0	0.3	0.1	0.2	*	0.1	0.1	*	*	*	*
Septicemia (038) .....	8.1	5.3	0.5	0.1	0.2	0.7	1.4	3.2	8.2	21.7	59.3	172.7
Acute poliomyelitis (045) .....	*	*	*	*	*	*	*	*	*	*	*	*
Measles (055) .....	*	*	*	*	*	*	*	*	*	*	*	*
Viral hepatitis (070) .....	1.4	*	*	*	0.1	0.3	1.6	2.4	2.8	4.3	5.2	3.7
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) .....	14.4	6.6	1.6	0.7	1.5	21.1	33.4	21.9	12.6	10.3	12.5	19.1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	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
Malignant neoplasms of lip, oral cavity, and pharynx (140-149) .....	3.0	*	*	*	0.1	0.2	0.7	3.0	8.2	12.1	14.7	20.1
Malignant neoplasms of digestive organs and peritoneum (150-159) .....	47.7	*	*	*	0.3	1.6	7.1	28.2	89.0	195.2	334.8	525.4
Malignant neoplasms of respiratory and intrathoracic organs (160-165) .....	59.3	*	*	*	0.1	0.8	6.5	38.5	144.3	305.2	375.1	290.9
Malignant neoplasm of breast (174-175) .....	16.4	*	*	*	*	1.3	7.2	19.9	35.6	55.5	85.8	147.8
Malignant neoplasms of genital organs (179-187) .....	22.6	*	*	*	0.2	1.4	3.6	9.8	30.0	84.6	183.9	304.6
Malignant neoplasms of urinary organs (188-189) .....	8.7	*	*	0.1	0.1	0.2	1.0	4.8	15.0	34.6	63.9	103.0
Malignant neoplasms of all other and unspecified sites (170-173,190-199) .....	25.0	1.1	1.5	1.4	1.8	3.3	7.9	21.1	50.1	95.5	147.4	212.0
Leukemia (204-208) .....	7.7	0.8	1.0	0.9	1.2	1.4	1.9	4.3	11.1	27.7	52.8	80.6
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203) .....	13.0	*	*	0.2	0.7	1.8	3.4	8.2	23.0	51.3	93.2	113.8
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	2.9	1.6	0.5	0.2	0.3	0.4	0.8	1.5	3.7	8.1	20.4	44.4
Diabetes mellitus (250) .....	23.3	*	*	0.1	0.4	1.6	4.3	13.2	39.5	88.7	166.1	288.0
Nutritional deficiencies (260-269) .....	1.4	*	*	*	*	*	0.1	0.2	0.5	1.9	9.0	55.2
Anemias (280-285) .....	1.6	0.8	0.3	0.1	0.3	0.4	0.5	0.6	1.2	3.1	10.2	40.7
Meningitis (320-322) .....	0.3	2.7	0.2	0.1	0.1	0.1	0.2	0.3	0.4	0.6	1.0	1.3
Major cardiovascular diseases (390-448) .....	358.2	23.4	1.8	1.1	3.4	10.7	38.6	131.6	379.2	971.5	2,652.3	8,456.2
Diseases of heart (390-398,402,404-429) .....	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
Rheumatic fever and rheumatic heart disease (390-398) .....	1.9	*	*	*	0.1	0.2	0.5	1.0	2.6	6.4	14.3	25.3
Hypertensive heart disease (402) .....	9.9	*	*	*	0.1	0.5	2.0	6.5	14.2	25.6	62.6	212.8
Hypertensive heart and renal disease (404) .....	0.9	*	*	*	*	*	0.1	0.3	1.0	2.1	7.2	23.8
Ischemic heart disease (410-414) .....	179.5	0.6	*	*	0.3	2.6	15.6	65.3	204.1	526.0	1,352.0	4,005.0
Acute myocardial infarction (410) .....	80.5	*	*	*	0.2	1.4	8.4	36.9	111.4	262.1	608.0	1,465.1
Other acute and subacute forms of ischemic heart disease (411) .....	1.1	*	*	*	*	*	0.3	0.8	1.9	3.3	6.3	19.8
Angina pectoris (413) .....	0.3	*	*	*	*	*	*	0.1	0.2	0.8	2.2	8.7
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414) .....	97.6	*	*	*	0.1	1.1	6.9	27.6	90.5	259.9	735.6	2,511.4
Other diseases of endocardium (424) .....	6.5	*	*	*	0.1	0.2	0.6	1.4	4.1	13.2	50.4	191.9

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, 1996–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>
All other forms of heart disease (415-423,425-429) ...	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
Hypertension with or without renal disease (401,403) ...	4.9	*	*	*	*	0.1	0.5	1.8	4.7	12.8	37.3	116.9
Cerebrovascular diseases (430-438) .....	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
Intracerebral and other intracranial hemorrhage (431-432) .....	8.9	1.0	*	0.1	0.2	0.6	2.4	7.0	13.2	28.3	66.1	111.8
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) .....	4.9	*	*	*	*	0.1	0.3	1.1	3.3	11.0	38.3	141.8
Cerebral embolism (434.1) .....	0.3	*	*	*	*	*	*	0.1	0.2	0.8	2.2	5.3
All other and late effects of cerebrovascular diseases (430,433,435-438) .....	46.2	4.7	0.2	0.1	0.3	1.1	3.5	9.8	28.6	95.5	370.3	1,353.8
Atherosclerosis (440) .....	6.3	*	*	*	*	*	0.1	0.6	2.7	10.1	43.0	241.7
Other diseases of arteries, arterioles, and capillaries (441-448) .....	10.2	*	*	*	0.2	0.4	1.2	3.0	11.3	36.8	84.8	170.6
Acute bronchitis and bronchiolitis (466) .....	0.2	1.7	0.2	*	*	*	*	*	0.1	0.4	1.0	4.2
Pneumonia and influenza (480-487) .....	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
Pneumonia (480-486) .....	31.3	12.8	1.1	0.3	0.5	1.4	3.3	6.4	16.7	56.3	229.0	1,001.3
Influenza (487) .....	0.3	*	*	*	*	*	*	0.1	0.2	0.4	1.6	9.7
Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	40.0	1.0	0.3	0.4	0.7	0.9	2.0	8.7	47.0	161.6	358.3	540.9
Bronchitis, chronic and unspecified (490-491) .....	1.2	0.7	*	*	*	0.1	0.1	0.3	1.2	4.1	9.6	20.7
Emphysema (492) .....	6.5	*	*	*	*	*	0.2	1.4	9.1	30.7	59.0	61.5
Asthma (493) .....	2.1	*	0.2	0.4	0.6	0.7	1.1	2.0	3.8	5.9	10.3	19.6
Other chronic obstructive pulmonary diseases and allied conditions (494-496) .....	30.1	*	*	*	*	0.1	0.6	4.9	32.8	120.9	279.4	439.1
Ulcer of stomach and duodenum (531-533) .....	1.9	*	*	*	*	0.1	0.3	0.8	1.9	5.2	14.7	41.8
Appendicitis (540-543) .....	0.2	*	*	0.1	*	*	0.1	0.1	0.2	0.4	1.0	1.7
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	2.4	1.8	0.2	0.1	0.1	0.1	0.2	0.5	1.5	4.8	18.6	70.5
Chronic liver disease and cirrhosis (571) .....	9.4	*	*	*	0.1	0.1	1.4	8.4	16.8	24.9	30.7	21.4
Cholelithiasis and other disorders of gallbladder (574-575) .....	1.1	*	*	*	*	0.1	0.1	0.3	1.0	3.0	8.1	24.8
Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	9.2	3.8	*	0.1	0.2	0.4	1.1	2.7	7.9	24.8	73.1	209.6
Acute glomerulonephritis and nephrotic syndrome (580-581) .....	0.1	*	*	*	*	*	*	*	0.1	0.3	1.0	2.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) .....	0.6	*	*	*	*	*	0.1	0.3	0.4	1.7	4.5	14.5
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589) .....	8.4	3.5	*	*	0.1	0.3	1.0	2.4	7.3	22.9	67.5	193.0
Infections of kidney (590) .....	0.3	*	*	*	*	*	0.1	0.1	0.3	0.8	2.5	8.5
Hyperplasia of prostate (600) .....	0.2	*	*	*	*	*	*	*	*	0.3	1.5	6.1
Complications of pregnancy, childbirth, and the puerperium (630-676) .....	0.1	...	...	*	0.2	0.3	0.2	*	...	...	...	...
Pregnancy with abortive outcome (630-638) .....	0.0	...	...	*	*	*	*	*	...	...	...	...
Other complications of pregnancy, childbirth, and the puerperium (640-676) .....	0.1	...	...	*	0.1	0.3	0.2	*	...	...	...	...
Congenital anomalies (740-759) .....	4.5	169.3	4.1	1.2	1.1	1.0	1.2	1.6	2.2	3.6	7.1	14.9
Certain conditions originating in the perinatal period (760-779) .....	4.9	343.7	0.4	0.1	*	*	*	*	*	*	*	*
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769) .....	0.8	51.9	*	*	*	*	*	*	*	*	*	*
Other conditions originating in the perinatal period (760-766,770-779) .....	4.2	291.8	0.3	*	*	*	*	*	*	*	*	*
Symptoms, signs, and ill-defined conditions (780-799) ..	9.9	103.0	1.8	0.4	1.9	3.1	5.0	6.2	8.7	15.5	39.5	169.4
All other diseases (Residual) .....	84.3	35.5	5.2	2.5	4.7	8.8	18.7	35.4	74.9	190.7	598.3	2,009.8

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, 1996-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) .....	35.8	21.3	13.8	8.9	38.1	31.8	32.9	30.4	32.2	47.0	102.0	276.2
Motor vehicle accidents (E810-E825) .....	16.5	5.7	5.3	5.2	29.2	19.1	15.6	14.1	15.0	18.3	28.3	30.1
All other accidents and adverse effects (E800-E807,E826-E949) .....	19.3	15.6	8.6	3.8	8.9	12.6	17.3	16.4	17.2	28.7	73.7	246.1
Suicide (E950-E959) .....	11.6	*	*	0.8	12.0	14.5	15.5	14.9	13.7	15.0	20.0	20.2
Homicide and legal intervention (E960-E978) .....	7.9	8.8	2.7	1.3	18.1	13.4	9.0	5.9	4.1	3.0	2.9	3.0
All other external causes (E980-E999) .....	1.3	1.5	0.3	0.1	1.0	1.9	2.7	1.6	0.8	0.8	0.9	1.7
Human immunodeficiency virus infection <sup>3</sup> (*042-*044) ..	11.7	1.1	0.9	0.5	1.1	19.9	31.4	19.3	8.4	2.7	0.8	*
Alzheimer's disease <sup>4</sup> (331.0) .....	8.1	*	*	*	*	*	*	0.1	1.3	11.0	72.8	284.7

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

... Category not applicable.

0.0 Quantity more than zero but less than 0.05.

<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.



**Table 12. Number of deaths from 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by race and sex: United States, 1996**

[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
All causes .....	2,314,690	1,163,569	1,151,121	1,992,966	991,984	1,000,982	321,724	171,585	150,139	282,089	149,472	132,617
Shigellosis and amebiasis (004.006) .....	9	3	6	9	3	6	-	-	-	-	-	-
Certain other intestinal infections (007-009) .....	824	356	468	672	268	404	152	88	64	140	82	58
Tuberculosis (010-018) .....	1,202	739	463	724	440	284	478	299	179	369	236	133
Tuberculosis of respiratory system (010-012) .....	912	600	312	551	361	190	361	239	122	284	186	98
Other tuberculosis (013-018) .....	290	139	151	173	79	94	117	60	57	85	50	35
Whooping cough (033) .....	4	2	2	4	2	2	-	-	-	-	-	-
Streptococcal sore throat, scarlatina, and erysipelas (034-035) .....	13	9	4	9	6	3	4	3	1	4	3	1
Meningococcal infection (036) .....	290	141	149	223	103	120	67	38	29	58	35	23
Septicemia (038) .....	21,423	9,246	12,177	17,130	7,247	9,883	4,293	1,999	2,294	3,996	1,844	2,152
Acute poliomyelitis (045) .....	-	-	-	-	-	-	-	-	-	-	-	-
Measles (055) .....	1	-	1	-	-	-	1	-	1	1	-	1
Viral hepatitis (070) .....	3,780	2,273	1,507	3,065	1,868	1,197	715	405	310	480	273	207
Syphilis (090-097) .....	73	50	23	39	26	13	34	24	10	33	24	9
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044,046-054,056-066,071-088,098-139) .....	38,172	28,948	9,224	22,139	17,443	4,696	16,033	11,505	4,528	15,505	11,105	4,400
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	539,533	281,898	257,635	469,406	243,952	225,454	70,127	37,946	32,181	60,766	32,973	27,793
Malignant neoplasms of lip, oral cavity, and pharynx (140-149) .....	7,854	5,215	2,639	6,463	4,178	2,285	1,391	1,037	354	1,181	892	289
Malignant neoplasms of digestive organs and peritoneum (150-159) .....	126,495	66,932	59,563	107,601	56,863	50,738	18,894	10,069	8,825	15,679	8,242	7,437
Malignant neoplasms of respiratory and intrathoracic organs (160-165) .....	157,271	95,540	61,731	138,366	82,987	55,379	18,905	12,553	6,352	16,714	11,151	5,563
Malignant neoplasm of breast (174-175) .....	43,448	357	43,091	37,510	292	37,218	5,938	65	5,873	5,316	62	5,254
Malignant neoplasms of genital organs (179-187) .....	60,080	34,695	25,385	50,371	28,539	21,832	9,709	6,156	3,553	8,787	5,758	3,029
Malignant neoplasms of urinary organs (188-189) .....	23,004	14,718	8,286	20,821	13,475	7,346	2,183	1,243	940	1,896	1,048	848
Malignant neoplasms of all other and unspecified sites (170-173,190-199) .....	66,451	35,283	31,168	59,362	31,640	27,722	7,089	3,643	3,446	6,045	3,120	2,925
Leukemia (204-208) .....	20,340	11,179	9,161	18,234	10,055	8,179	2,106	1,124	982	1,763	931	832
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203) .....	34,590	17,979	16,611	30,678	15,923	14,755	3,912	2,056	1,856	3,385	1,769	1,616
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	7,647	3,412	4,235	6,657	2,973	3,684	990	439	551	855	372	483
Diabetes mellitus (250) .....	61,767	27,646	34,121	49,511	22,829	26,682	12,256	4,817	7,439	10,800	4,132	6,668
Nutritional deficiencies (260-269) .....	3,706	1,225	2,481	3,255	1,035	2,220	451	190	261	396	167	229
Anemias (280-285) .....	4,332	1,820	2,512	3,340	1,372	1,968	992	448	544	929	419	510
Meningitis (320-322) .....	758	423	335	529	294	235	229	129	100	211	119	92
Major cardiovascular diseases (390-448) .....	950,164	448,848	501,316	833,361	392,898	440,463	116,803	55,950	60,853	102,622	48,184	54,438
Diseases of heart (390-398,402,404-429) .....	733,361	360,075	373,286	645,514	316,889	328,625	87,847	43,186	44,661	77,641	37,335	40,306
Rheumatic fever and rheumatic heart disease (390-398) .....	5,006	1,482	3,524	4,534	1,331	3,203	472	151	321	355	106	249
Hypertensive heart disease (402) .....	26,188	11,129	15,059	19,197	7,735	11,462	6,991	3,394	3,597	6,564	3,160	3,404
Hypertensive heart and renal disease (404) .....	2,501	1,002	1,499	1,748	680	1,068	753	322	431	689	298	391
Ischemic heart disease (410-414) .....	476,124	242,036	234,088	428,458	218,811	209,647	47,666	23,225	24,441	41,292	19,482	21,810
Acute myocardial infarction (410) .....	213,532	112,739	100,793	191,235	101,698	89,537	22,297	11,041	11,256	19,492	9,357	10,135
Other acute and subacute forms of ischemic heart disease (411) .....	2,889	1,591	1,298	2,454	1,342	1,112	435	249	186	398	230	168
Angina pectoris (413) .....	829	360	469	744	322	422	85	38	47	80	36	44
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414) .....	258,874	127,346	131,528	234,025	115,449	118,576	24,849	11,897	12,952	21,322	9,859	11,463
Other diseases of endocardium (424) .....	17,181	6,889	10,292	15,890	6,314	9,576	1,291	575	716	1,088	472	616
All other forms of heart disease (415-423,425-429) .....	206,361	97,537	108,824	175,687	82,018	93,669	30,674	15,519	15,155	27,653	13,817	13,836

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, 1996-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
Hypertension with or without renal disease (401,403) ...	12,945	5,160	7,785	9,864	3,814	6,050	3,081	1,346	1,735	2,845	1,233	1,612
Cerebrovascular diseases (430-438) .....	159,942	62,475	97,467	138,296	53,016	85,280	21,646	9,459	12,187	18,481	7,972	10,509
Intracerebral and other intracranial hemorrhage (431-432) .....	23,573	10,802	12,771	19,256	8,589	10,667	4,317	2,213	2,104	3,477	1,793	1,684
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) .....	13,022	5,065	7,957	11,399	4,352	7,047	1,623	713	910	1,404	607	797
Cerebral embolism (434.1) .....	672	263	409	612	241	371	60	22	38	47	17	30
All other and late effects of cerebrovascular diseases (430,433,435-438) .....	122,675	46,345	76,330	107,029	39,834	67,195	15,646	6,511	9,135	13,553	5,555	7,998
Atherosclerosis (440) .....	16,740	6,281	10,459	15,379	5,746	9,633	1,361	535	826	1,200	458	742
Other diseases of arteries, arterioles, and capillaries (441-448) .....	27,176	14,857	12,319	24,308	13,433	10,875	2,868	1,424	1,444	2,455	1,186	1,269
Acute bronchitis and bronchiolitis (466) .....	486	205	281	418	176	242	68	29	39	55	24	31
Pneumonia and influenza (480-487) .....	83,727	37,991	45,736	74,194	32,924	41,270	9,533	5,067	4,466	7,963	4,170	3,793
Pneumonia (480-486) .....	82,982	37,722	45,260	73,499	32,678	40,821	9,483	5,044	4,439	7,929	4,156	3,773
Influenza (487) .....	745	269	476	695	246	449	50	23	27	34	14	20
Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	106,027	54,485	51,542	97,889	49,822	48,067	8,138	4,663	3,475	6,924	3,928	2,996
Bronchitis, chronic and unspecified (490-491) .....	3,151	1,574	1,577	2,889	1,435	1,454	262	139	123	214	108	106
Emphysema (492) .....	17,286	9,422	7,864	16,257	8,750	7,507	1,029	672	357	882	576	306
Asthma (493) .....	5,667	2,075	3,592	4,110	1,426	2,684	1,557	649	908	1,325	540	785
Other chronic obstructive pulmonary diseases and allied conditions (494-496) .....	79,923	41,414	38,509	74,633	38,211	36,422	5,290	3,203	2,087	4,503	2,704	1,799
Ulcer of stomach and duodenum (531-533) .....	5,105	2,404	2,701	4,460	2,052	2,408	645	352	293	520	280	240
Appendicitis (540-543) .....	424	240	184	352	191	161	72	49	23	66	44	22
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	6,476	2,400	4,076	5,585	2,000	3,585	891	400	491	823	369	454
Chronic liver disease and cirrhosis (571) .....	25,047	16,311	8,736	21,422	13,992	7,430	3,625	2,319	1,306	2,950	1,923	1,027
Cholelithiasis and other disorders of gallbladder (574-575) .....	2,816	1,213	1,603	2,440	1,064	1,376	376	149	227	304	122	182
Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	24,304	11,642	12,662	19,696	9,549	10,147	4,608	2,093	2,515	4,144	1,873	2,271
Acute glomerulonephritis and nephrotic syndrome (580-581) .....	321	153	168	257	125	132	64	28	36	60	26	34
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) .....	1,638	800	838	1,308	642	666	330	158	172	292	144	148
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589) .....	22,345	10,689	11,656	18,131	8,782	9,349	4,214	1,907	2,307	3,792	1,703	2,089
Infections of kidney (590) .....	896	255	641	778	222	556	118	33	85	106	30	76
Hyperplasia of prostate (600) .....	457	457	...	408	408	...	49	49	...	43	43	...
Complications of pregnancy, childbirth, and the puerperium (630-676) .....	294	...	294	159	...	159	135	...	135	121	...	121
Pregnancy with abortive outcome (630-638) .....	39	...	39	24	...	24	15	...	15	14	...	14
Other complications of pregnancy, childbirth, and the puerperium (640-676) .....	255	...	255	135	...	135	120	...	120	107	...	107
Congenital anomalies (740-759) .....	11,836	6,238	5,598	9,556	5,066	4,490	2,280	1,172	1,108	1,905	971	934
Certain conditions originating in the perinatal period (760-779) .....	13,069	7,303	5,766	7,964	4,446	3,518	5,105	2,857	2,248	4,711	2,631	2,080
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769) .....	1,993	1,181	812	1,310	785	525	683	396	287	618	355	263
Other conditions originating in the perinatal period (760-766,770-779) .....	11,076	6,122	4,954	6,654	3,661	2,993	4,422	2,461	1,961	4,093	2,276	1,817
Symptoms, signs, and ill-defined conditions (780-799) ..	26,190	13,348	12,842	21,126	10,516	10,610	5,064	2,832	2,232	4,607	2,564	2,043
All other diseases (Residual) .....	223,540	96,646	126,894	196,175	83,682	112,493	27,365	12,964	14,401	24,167	11,336	12,831
Accidents and adverse effects (E800-E949) .....	94,948	51,589	33,359	79,405	51,061	28,344	15,543	10,528	5,015	12,655	8,642	4,013
Motor vehicle accidents (E810-E825) .....	43,649	29,123	14,526	36,452	24,214	12,238	7,197	4,909	2,288	5,528	3,862	1,666

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, 1996–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			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
All other accidents and adverse effects (E800-E807,E826-E949) .....	51,299	32,466	18,833	42,953	26,847	16,106	8,346	5,619	2,727	7,127	4,780	2,347
Suicide (E950-E959) .....	30,903	24,998	5,905	27,856	22,547	5,309	3,047	2,451	596	2,164	1,820	344
Homicide and legal intervention (E960-E978) .....	20,971	16,269	4,702	10,317	7,570	2,747	10,654	8,699	1,955	9,983	8,183	1,800
All other external causes (E980-E999) .....	3,476	2,536	940	2,693	1,937	756	783	599	184	713	551	162
Human immunodeficiency virus infection <sup>1</sup> (*042-*044) ..	31,130	25,277	5,853	16,804	14,662	2,142	14,326	10,615	3,711	13,997	10,329	3,668
Alzheimer's disease <sup>2</sup> (331.0) .....	21,397	6,971	14,426	20,198	6,564	13,634	1,199	407	792	1,083	350	733

- 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.

**Table 13. Death rates for 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by race and sex: United States, 1996**

[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
All causes .....	872.5	896.4	849.7	906.9	918.1	896.2	706.5	788.6	631.4	842.0	939.9	753.5
Shigellosis and amebiasis (004,006) .....	*	*	*	*	*	*	*	*	*	*	*	*
Certain other intestinal infections (007-009) .....	0.3	0.3	0.3	0.3	0.2	0.4	0.3	0.4	0.3	0.4	0.5	0.3
Tuberculosis (010-018) .....	0.5	0.6	0.3	0.3	0.4	0.3	1.0	1.4	0.8	1.1	1.5	0.8
Tuberculosis of respiratory system (010-012) .....	0.3	0.5	0.2	0.3	0.3	0.2	0.8	1.1	0.5	0.8	1.2	0.6
Other tuberculosis (013-018) .....	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.3	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	0.1	0.2	0.1	0.2	0.2	0.1
Septicemia (038) .....	8.1	7.1	9.0	7.8	6.7	8.8	9.4	9.2	9.6	11.9	11.6	12.2
Acute poliomyelitis (045) .....	*	*	*	*	*	*	*	*	*	*	*	*
Measles (055) .....	*	*	*	*	*	*	*	*	*	*	*	*
Viral hepatitis (070) .....	1.4	1.8	1.1	1.4	1.7	1.1	1.6	1.9	1.3	1.4	1.7	1.2
Syphilis (090-097) .....	0.0	0.0	0.0	0.0	0.0	*	0.1	0.1	*	0.1	0.2	*
All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044,046-054,056-066,071-088,098-139) .....	14.4	22.3	6.8	10.1	16.1	4.2	35.2	52.9	19.0	46.3	69.8	25.0
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	203.4	217.2	190.2	213.6	225.8	201.8	154.0	174.4	135.3	181.4	207.3	157.9
Malignant neoplasms of lip, oral cavity, and pharynx (140-149) .....	3.0	4.0	1.9	2.9	3.9	2.0	3.1	4.8	1.5	3.5	5.6	1.6
Malignant neoplasms of digestive organs and peritoneum (150-159) .....	47.7	51.6	44.0	49.0	52.6	45.4	41.5	46.3	37.1	46.8	51.8	42.3
Malignant neoplasms of respiratory and intrathoracic organs (160-165) .....	59.3	73.6	45.6	63.0	76.8	49.6	41.5	57.7	26.7	49.9	70.1	31.6
Malignant neoplasm of breast (174-175) .....	16.4	0.3	31.8	17.1	0.3	33.3	13.0	0.3	24.7	15.9	0.4	29.9
Malignant neoplasms of genital organs (179-187) .....	22.6	26.7	18.7	22.9	26.4	19.5	21.3	28.3	14.9	26.2	36.2	17.2
Malignant neoplasms of urinary organs (188-189) .....	8.7	11.3	6.1	9.5	12.5	6.6	4.8	5.7	4.0	5.7	6.6	4.8
Malignant neoplasms of all other and unspecified sites (170-173,190-199) .....	25.0	27.2	23.0	27.0	29.3	24.8	15.6	16.7	14.5	18.0	19.6	16.6
Leukemia (204-208) .....	7.7	8.6	6.8	8.3	9.3	7.3	4.6	5.2	4.1	5.3	5.9	4.7
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203) .....	13.0	13.9	12.3	14.0	14.7	13.2	8.6	9.4	7.8	10.1	11.1	9.2
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	2.9	2.6	3.1	3.0	2.8	3.3	2.2	2.0	2.3	2.6	2.3	2.7
Diabetes mellitus (250) .....	23.3	21.3	25.2	22.5	21.1	23.9	26.9	22.1	31.3	32.2	26.0	37.9
Nutritional deficiencies (260-269) .....	1.4	0.9	1.8	1.5	1.0	2.0	1.0	0.9	1.1	1.2	1.1	1.3
Anemias (280-285) .....	1.6	1.4	1.9	1.5	1.3	1.8	2.2	2.1	2.3	2.8	2.6	2.9
Meningitis (320-322) .....	0.3	0.3	0.2	0.2	0.3	0.2	0.5	0.6	0.4	0.6	0.7	0.5
Major cardiovascular diseases (390-448) .....	358.2	345.8	370.0	379.2	363.6	394.3	256.5	257.1	255.9	306.3	303.0	309.3
Diseases of heart (390-398,402,404-429) .....	276.4	277.4	275.5	293.8	293.3	294.2	192.9	198.5	187.8	231.7	234.8	229.0
Rheumatic fever and rheumatic heart disease (390-398) .....	1.9	1.1	2.6	2.1	1.2	2.9	1.0	0.7	1.4	1.1	0.7	1.4
Hypertensive heart disease (402) .....	9.9	8.6	11.1	8.7	7.2	10.3	15.4	15.6	15.1	19.6	19.9	19.3
Hypertensive heart and renal disease (404) .....	0.9	0.8	1.1	0.8	0.6	1.0	1.7	1.5	1.8	2.1	1.9	2.2
Ischemic heart disease (410-414) .....	179.5	186.5	172.8	195.0	202.5	187.7	104.7	106.7	102.8	123.2	122.5	123.9
Acute myocardial infarction (410) .....	80.5	86.8	74.4	87.0	94.1	80.2	49.0	50.7	47.3	58.2	58.8	57.6
Other acute and subacute forms of ischemic heart disease (411) .....	1.1	1.2	1.0	1.1	1.2	1.0	1.0	1.1	0.8	1.2	1.4	1.0
Angina pectoris (413) .....	0.3	0.3	0.3	0.3	0.3	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) .....	97.6	98.1	97.1	106.5	106.8	106.2	54.6	54.7	54.5	63.6	62.0	65.1
Other diseases of endocardium (424) .....	6.5	5.3	7.6	7.2	5.8	8.6	2.8	2.6	3.0	3.2	3.0	3.5
All other forms of heart disease (415-423,425-429) .....	77.8	75.1	80.3	79.9	75.9	83.9	67.4	71.3	63.7	82.5	86.9	78.6

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, 1996-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			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) ...	4.9	4.0	5.7	4.5	3.5	5.4	6.8	6.2	7.3	8.5	7.8	9.2
Cerebrovascular diseases (430-438) .....	60.3	48.1	71.9	62.9	49.1	76.3	47.5	43.5	51.3	55.2	50.1	59.7
Intracerebral and other intracranial hemorrhage (431-432) .....	8.9	8.3	9.4	8.8	7.9	9.5	9.5	10.2	8.8	10.4	11.3	9.6
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) .....	4.9	3.9	5.9	5.2	4.0	6.3	3.6	3.3	3.8	4.2	3.8	4.5
Cerebral embolism (434.1) .....	0.3	0.2	0.3	0.3	0.2	0.3	0.1	0.1	0.2	0.1	*	0.2
All other and late effects of cerebrovascular diseases (430,433,435-438) .....	46.2	35.7	56.3	48.7	36.9	60.2	34.4	29.9	38.4	40.5	34.9	45.4
Atherosclerosis (440) .....	6.3	4.8	7.7	7.0	5.3	8.6	3.0	2.5	3.5	3.6	2.9	4.2
Other diseases of arteries, arterioles, and capillaries (441-448) .....	10.2	11.4	9.1	11.1	12.4	9.7	6.3	6.5	6.1	7.3	7.5	7.2
Acute bronchitis and bronchiolitis (466) .....	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2
Pneumonia and influenza (480-487) .....	31.6	29.3	33.8	33.8	30.5	36.9	20.9	23.3	18.8	23.8	26.2	21.6
Pneumonia (480-486) .....	31.3	29.1	33.4	33.4	30.2	36.5	20.8	23.2	18.7	23.7	26.1	21.4
Influenza (487) .....	0.3	0.2	0.4	0.3	0.2	0.4	0.1	0.1	0.1	0.1	*	0.1
Chronic obstructive pulmonary diseases and allied conditions (490-496) .....	40.0	42.0	38.0	44.5	46.1	43.0	17.9	21.4	14.6	20.7	24.7	17.0
Bronchitis, chronic and unspecified (490-491) .....	1.2	1.2	1.2	1.3	1.3	1.3	0.6	0.6	0.5	0.6	0.7	0.6
Emphysema (492) .....	6.5	7.3	5.8	7.4	8.1	6.7	2.3	3.1	1.5	2.6	3.6	1.7
Asthma (493) .....	2.1	1.6	2.7	1.9	1.3	2.4	3.4	3.0	3.8	4.0	3.4	4.5
Other chronic obstructive pulmonary diseases and allied conditions (494-496) .....	30.1	31.9	28.4	34.0	35.4	32.6	11.6	14.7	8.8	13.4	17.0	10.2
Ulcer of stomach and duodenum (531-533) .....	1.9	1.9	2.0	2.0	1.9	2.2	1.4	1.6	1.2	1.6	1.8	1.4
Appendicitis (540-543) .....	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	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	2.5	1.9	3.2	2.0	1.8	2.1	2.5	2.3	2.6
Chronic liver disease and cirrhosis (571) .....	9.4	12.6	6.4	9.7	12.9	6.7	8.0	10.7	5.5	8.8	12.1	5.8
Cholelithiasis and other disorders of gallbladder (574-575) .....	1.1	0.9	1.2	1.1	1.0	1.2	0.8	0.7	1.0	0.9	0.8	1.0
Nephritis, nephrotic syndrome, and nephrosis (580-589) .....	9.2	9.0	9.3	9.0	8.8	9.1	10.1	9.6	10.6	12.4	11.8	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	0.2	0.2	0.2	0.2
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	0.9	0.9	0.8
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589) .....	8.4	8.2	8.6	8.3	8.1	8.4	9.3	8.8	9.7	11.3	10.7	11.9
Infections of kidney (590) .....	0.3	0.2	0.5	0.4	0.2	0.5	0.3	0.2	0.4	0.3	0.2	0.4
Hyperplasia of prostate (600) .....	0.2	0.4	...	0.2	0.4	...	0.1	0.2	...	0.1	0.3	...
Complications of pregnancy, childbirth, and the puerperium (630-676) .....	0.1	...	0.2	0.1	...	0.1	0.3	...	0.6	0.4	...	0.7
Pregnancy with abortive outcome (630-638) .....	0.0	...	0.0	0.0	...	0.0	*	...	*	*	...	*
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	4.3	4.7	4.0	5.0	5.4	4.7	5.7	6.1	5.3
Certain conditions originating in the perinatal period (760-779) .....	4.9	5.6	4.3	3.6	4.1	3.1	11.2	13.1	9.5	14.1	16.5	11.8
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769) .....	0.8	0.9	0.6	0.6	0.7	0.5	1.5	1.8	1.2	1.8	2.2	1.5
Other conditions originating in the perinatal period (760-766,770-779) .....	4.2	4.7	3.7	3.0	3.4	2.7	9.7	11.3	8.2	12.2	14.3	10.3
Symptoms, signs, and ill-defined conditions (780-799) ..	9.9	10.3	9.5	9.6	9.7	9.5	11.1	13.0	9.4	13.8	16.1	11.6
All other diseases (Residual) .....	84.3	74.5	93.7	89.3	77.4	100.7	60.1	59.6	60.6	72.1	71.3	72.9
Accidents and adverse effects (E800-E949) .....	35.8	47.4	24.6	36.1	47.3	25.4	34.1	48.4	21.1	37.8	54.3	22.8
Motor vehicle accidents (E810-E825) .....	16.5	22.4	10.7	16.6	22.4	11.0	15.8	22.6	9.6	16.5	24.3	9.5

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, 1996-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
All other accidents and adverse effects (E800-E807, E826-E949) .....	19.3	25.0	13.9	19.5	24.8	14.4	18.3	25.8	11.5	21.3	30.1	13.3
Suicide (E950-E959) .....	11.6	19.3	4.4	12.7	20.9	4.8	6.7	11.3	2.5	6.5	11.4	2.0
Homicide and legal intervention (E960-E978) .....	7.9	12.5	3.5	4.7	7.0	2.5	23.4	40.0	8.2	29.8	51.5	10.2
All other external causes (E980-E999) .....	1.3	2.0	0.7	1.2	1.8	0.7	1.7	2.8	0.8	2.1	3.5	0.9
Human immunodeficiency virus infection <sup>1</sup> (*042-*044) ..	11.7	19.5	4.3	7.6	13.6	1.9	31.5	48.8	15.6	41.8	65.0	20.8
Alzheimer's disease <sup>2</sup> (331.0) .....	8.1	5.4	10.6	9.2	6.1	12.2	2.6	1.9	3.3	3.2	2.2	4.2

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

... Category not applicable.

0.0 Quantity more than zero but less than 0.05.

<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.

**Table 14. Age-adjusted death rates for 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by race and sex: United States, 1996**

[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					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All causes .....	491.6	623.7	381.0	466.8	591.4	361.9	627.1	811.7	481.4	738.3	967.0	561.0
Shigellosis and amebiasis (004,006) .....	*	*	*	*	*	*	*	*	*	*	*	*
Certain other intestinal infections (007-009) .....	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.4	0.2	0.4	0.5	0.3
Tuberculosis (010-018) .....	0.3	0.4	0.2	0.2	0.3	0.1	1.0	1.4	0.6	1.0	1.6	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	0.8	1.2	0.4
Other tuberculosis (013-018) .....	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.3	0.2	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	0.1	0.2	0.1	0.2	0.2	0.1
Septicemia (038) .....	4.1	4.6	3.6	3.5	3.9	3.2	7.8	9.3	6.6	9.7	11.7	8.1
Acute poliomyelitis (045) .....	*	*	*	*	*	*	*	*	*	*	*	*
Measles (055) .....	*	*	*	*	*	*	*	*	*	*	*	*
Viral hepatitis (070) .....	1.1	1.5	0.8	1.0	1.4	0.7	1.6	2.0	1.2	1.4	1.9	1.1
Syphilis (090-097) .....	0.0	0.0	0.0	0.0	0.0	*	0.0	0.1	*	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) .....	13.0	20.4	5.9	8.8	14.4	3.2	34.3	53.1	18.0	45.8	71.4	24.0
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	127.9	153.8	108.8	125.2	149.2	107.6	144.8	188.0	114.6	167.8	221.9	130.7
Malignant neoplasms of lip, oral cavity, and pharynx (140-149) .....	2.1	3.2	1.1	1.9	2.8	1.1	3.2	5.5	1.4	3.7	6.5	1.5
Malignant neoplasms of digestive organs and peritoneum (150-159) .....	28.5	36.7	21.8	27.0	34.7	20.6	38.4	50.4	29.5	42.4	56.2	32.3
Malignant neoplasms of respiratory and intrathoracic organs (160-165) .....	39.3	54.2	27.5	38.9	52.6	28.0	41.0	64.8	23.6	48.9	78.5	27.6
Malignant neoplasm of breast (174-175) .....	11.0	0.2	20.2	10.7	0.2	19.8	12.6	0.3	22.2	15.2	0.4	26.5
Malignant neoplasms of genital organs (179-187) .....	12.5	15.3	11.4	11.7	13.9	11.1	18.2	27.2	13.0	21.6	34.0	14.5
Malignant neoplasms of urinary organs (188-189) .....	5.1	7.7	3.0	5.2	7.9	3.0	4.3	6.1	3.0	5.0	6.9	3.5
Malignant neoplasms of all other and unspecified sites (170-173,190-199) .....	16.6	20.5	13.4	16.9	20.8	13.6	14.7	18.2	12.1	16.9	21.4	13.5
Leukemia (204-208) .....	4.8	6.2	3.8	4.9	6.3	3.8	4.3	5.4	3.4	4.7	6.0	3.8
Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203) .....	8.2	10.0	6.6	8.1	10.0	6.6	8.1	10.2	6.5	9.4	11.9	7.5
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	1.7	1.8	1.5	1.6	1.8	1.5	1.9	2.1	1.8	2.2	2.4	2.1
Diabetes mellitus (250) .....	13.6	14.9	12.5	12.0	13.7	10.7	24.6	23.8	25.0	28.8	27.8	29.4
Nutritional deficiencies (260-269) .....	0.5	0.5	0.5	0.5	0.4	0.4	0.7	0.8	0.6	0.8	0.9	0.7
Anemias (280-285) .....	0.8	0.9	0.8	0.6	0.7	0.6	1.9	2.0	1.8	2.4	2.6	2.3
Meningitis (320-322) .....	0.3	0.3	0.2	0.2	0.2	0.1	0.5	0.6	0.4	0.6	0.8	0.5
Major cardiovascular diseases (390-448) .....	170.7	219.7	130.6	163.6	212.6	123.0	214.3	265.0	175.6	251.0	311.7	205.8
Diseases of heart (390-398,402,404-429) .....	134.5	178.8	98.2	129.8	174.5	92.9	162.5	205.5	129.6	191.5	242.6	153.4
Rheumatic fever and rheumatic heart disease (390-398) .....	1.1	0.8	1.3	1.1	0.8	1.3	1.0	0.7	1.2	1.0	0.7	1.2
Hypertensive heart disease (402) .....	5.2	6.1	4.3	4.0	4.6	3.2	13.6	16.7	11.2	17.2	21.3	14.0
Hypertensive heart and renal disease (404) .....	0.4	0.5	0.4	0.3	0.3	0.3	1.4	1.5	1.3	1.7	1.9	1.5
Ischemic heart disease (410-414) .....	86.7	119.3	60.4	86.4	120.2	58.8	86.4	109.8	68.8	99.4	125.4	80.1
Acute myocardial infarction (410) .....	42.0	58.0	28.8	41.9	58.6	28.1	41.8	53.1	33.2	48.5	61.3	39.0
Other acute and subacute forms of ischemic heart disease (411) .....	0.6	0.9	0.4	0.6	0.8	0.4	0.8	1.2	0.5	1.0	1.5	0.7
Angina pectoris (413) .....	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2
Old myocardial infarction and other forms of chronic ischemic heart disease (412,414) .....	44.0	60.2	31.0	43.8	60.6	30.3	43.7	55.3	34.9	49.6	62.4	40.2
Other diseases of endocardium (424) .....	2.7	3.0	2.4	2.7	3.0	2.4	2.3	2.6	2.0	2.6	3.0	2.3
All other forms of heart disease (415-423,425-429) .....	38.4	49.1	29.4	35.3	45.5	26.8	57.7	74.2	45.1	69.6	90.3	54.3

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, 1996-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	1.8	2.0	1.7	5.6	6.3	5.0	6.9	7.9	6.1
Cerebrovascular diseases (430-438) .....	26.4	28.5	24.6	24.5	26.3	22.9	38.9	44.2	34.8	44.2	50.9	39.2
Intracerebral and other intracranial hemorrhage (431-432) .....	5.2	5.9	4.6	4.5	5.1	4.1	9.1	11.2	7.5	10.1	12.6	8.1
Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) .....	2.0	2.3	1.8	1.9	2.1	1.7	2.8	3.3	2.5	3.3	3.9	2.8
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) .....	19.1	20.2	18.0	17.9	18.9	17.0	26.8	29.6	24.7	30.7	34.3	28.1
Atherosclerosis (440) .....	2.2	2.5	1.9	2.2	2.6	1.9	2.0	2.2	1.9	2.4	2.6	2.1
Other diseases of arteries, arterioles, and capillaries (441-448) .....	5.3	7.3	3.7	5.2	7.4	3.6	5.4	6.8	4.3	6.1	7.7	4.9
Acute bronchitis and bronchiolitis (466) .....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1
Pneumonia and influenza (480-487) .....	12.8	16.2	10.4	12.2	15.2	10.1	15.9	22.0	11.6	17.8	24.8	12.9
Pneumonia (480-486) .....	12.7	16.0	10.3	12.1	15.1	10.0	15.8	21.9	11.5	17.7	24.7	12.8
Influenza (487) .....	0.1	0.1	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) .....	21.0	25.9	17.6	21.5	26.3	18.3	15.6	21.7	11.4	17.8	24.8	13.1
Bronchitis, chronic and unspecified (490-491) .....	0.6	0.7	0.5	0.6	0.8	0.5	0.5	0.6	0.4	0.5	0.7	0.4
Emphysema (492) .....	3.6	4.6	2.9	3.8	4.8	3.1	2.0	3.2	1.2	2.3	3.7	1.3
Asthma (493) .....	1.5	1.3	1.7	1.2	1.0	1.4	3.3	3.1	3.5	3.9	3.6	4.1
Other chronic obstructive pulmonary diseases and allied conditions (494-496) .....	15.2	19.2	12.5	15.9	19.8	13.3	9.7	14.7	6.4	11.0	16.8	7.3
Ulcer of stomach and duodenum (531-533) .....	0.9	1.2	0.8	0.9	1.1	0.7	1.2	1.7	0.9	1.4	1.9	1.0
Appendicitis (540-543) .....	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.3	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	0.9	1.5	1.7	1.3	1.8	2.2	1.6
Chronic liver disease and cirrhosis (571) .....	7.5	10.7	4.5	7.3	10.5	4.4	8.3	12.0	5.3	9.2	13.8	5.7
Cholelithiasis and other disorders of gallbladder (574-575) .....	0.5	0.6	0.4	0.5	0.5	0.4	0.7	0.7	0.7	0.7	0.8	0.7
Nephritis, nephrotic syndrome, and nephrosis (580-589) Acute glomerulonephritis and nephrotic syndrome (580-581) .....	4.3	5.3	3.6	3.8	4.7	3.1	8.2	9.5	7.3	9.8	11.5	8.5
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) .....	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.1
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589) .....	0.3	0.4	0.2	0.2	0.3	0.2	0.6	0.7	0.5	0.7	0.8	0.5
Infections of kidney (590) .....	3.9	4.9	3.3	3.4	4.3	2.8	7.5	8.6	6.7	9.0	10.5	7.9
Hyperplasia of prostate (600) .....	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.3	0.2	0.2	0.3
Complications of pregnancy, childbirth, and the puerperium (630-676) .....	0.1	0.2	...	0.1	0.2	...	0.1	0.2	...	0.1	0.2	...
Pregnancy with abortive outcome (630-638) .....	0.0	...	0.0	0.0	...	0.0	*	...	*	*	...	*
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) .....	4.3	4.6	4.0	4.2	4.5	3.8	4.7	4.9	4.5	5.4	5.6	5.1
Certain conditions originating in the perinatal period (760-779) .....	5.3	5.8	4.8	4.1	4.4	3.7	10.4	11.5	9.3	13.2	14.6	11.8
Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769) .....	0.8	0.9	0.7	0.7	0.8	0.5	1.4	1.6	1.2	1.7	2.0	1.5
Other conditions originating in the perinatal period (760-766,770-779) .....	4.5	4.9	4.1	3.4	3.6	3.1	9.0	9.9	8.1	11.5	12.6	10.3
Symptoms, signs, and ill-defined conditions (780-799) ..	6.6	8.3	5.1	6.0	7.4	4.6	10.0	12.7	7.7	12.3	15.8	9.5
All other diseases (Residual) .....	41.5	47.7	36.3	39.8	45.7	34.8	50.4	59.7	43.4	59.6	71.4	50.8
Accidents and adverse effects (E800-E949) .....	30.4	43.3	17.9	29.9	42.4	17.6	33.2	49.2	19.2	36.7	55.7	20.5
Motor vehicle accidents (E810-E825) .....	16.2	22.3	10.2	16.3	22.2	10.4	16.0	23.1	9.5	16.7	24.9	9.4

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, 1996–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						All other					
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All other accidents and adverse effects (E800-E807,E826-E949) .....	14.2	21.1	7.7	13.6	20.2	7.2	17.2	26.2	9.6	20.0	30.7	11.0
Suicide (E950-E959) .....	10.8	18.0	4.0	11.6	19.1	4.4	6.8	11.5	2.5	6.6	11.8	2.0
Homicide and legal intervention (E960-E978) .....	8.5	13.3	3.6	4.9	7.3	2.5	24.0	40.7	8.2	30.6	52.6	10.2
All other external causes (E980-E999) .....	1.2	1.9	0.6	1.2	1.7	0.6	1.7	2.7	0.7	2.1	3.5	0.9
Human immunodeficiency virus infection <sup>1</sup> (*042-*044) ..	11.1	18.1	4.2	7.2	12.5	1.8	30.7	48.9	14.9	41.4	66.4	20.2
Alzheimer's disease <sup>2</sup> (331.0) .....	2.7	2.6	2.8	2.8	2.7	2.9	1.6	1.5	1.6	1.9	1.8	1.9

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

... Category not applicable.

0.0 Quantity more than zero but less than 0.05.

<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.

**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, 1996**

[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) .....	539,533	281,898	257,635	469,406	243,952	225,454	70,127	37,946	32,181	60,766	32,973	27,793
Malignant neoplasm of esophagus (150) .....	11,231	8,400	2,831	9,253	6,964	2,289	1,978	1,436	542	1,827	1,317	510
Malignant neoplasm of stomach (151) .....	13,336	7,859	5,477	10,456	6,188	4,268	2,880	1,671	1,209	2,227	1,301	926
Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus (153,154) .....	56,497	27,851	28,646	49,179	24,367	24,812	7,318	3,484	3,834	6,368	3,000	3,368
Malignant neoplasm of pancreas (157) .....	27,260	13,027	14,233	23,513	11,300	12,213	3,747	1,727	2,020	3,222	1,472	1,750
Malignant neoplasms of trachea, bronchus, and lung (162) .....	152,015	91,620	60,395	134,055	79,809	54,246	17,960	11,811	6,149	15,835	10,463	5,372
Malignant melanoma of skin (172) .....	7,279	4,490	2,789	7,141	4,423	2,718	138	67	71	100	47	53
Malignant neoplasm of cervix uteri (180) .....	4,542	...	4,542	3,479	...	3,479	1,063	...	1,063	907	...	907
Malignant neoplasms of body of uterus and of uterus, part unspecified (179,182) .....	6,311	...	6,311	5,223	...	5,223	1,088	...	1,088	977	...	977
Malignant neoplasm of ovary (183.0) .....	13,161	...	13,161	11,913	...	11,913	1,248	...	1,248	1,011	...	1,011
Malignant neoplasm of prostate (185) .....	34,123	34,123	...	28,021	28,021	...	6,102	6,102	...	5,717	5,717	...
Malignant neoplasm of bladder (188) .....	11,452	7,683	3,769	10,463	7,147	3,316	989	536	453	885	466	419
Malignant neoplasms of kidney and other and unspecified urinary organs (189) .....	11,552	7,035	4,517	10,358	6,328	4,030	1,194	707	487	1,011	582	429
Malignant neoplasms of brain and other and unspecified parts of nervous system (191,192) .....	12,376	6,733	5,643	11,523	6,287	5,236	853	446	407	695	365	330
Hodgkin's disease (201) .....	1,408	764	644	1,249	672	577	159	92	67	142	83	59
Malignant lymphoma other than Hodgkin's disease (200,202) .....	22,934	11,962	10,972	21,062	10,909	10,153	1,872	1,053	819	1,517	851	666
Multiple myeloma and other immunoproliferative neoplasms (203) ..	10,248	5,253	4,995	8,367	4,342	4,025	1,881	911	970	1,726	835	891
	Rate											
Malignant neoplasms <sup>1</sup> (140-208) .....	203.4	217.2	190.2	213.6	225.8	201.8	154.0	174.4	135.3	181.4	207.3	157.9
Malignant neoplasm of esophagus (150) .....	4.2	6.5	2.1	4.2	6.4	2.0	4.3	6.6	2.3	5.5	8.3	2.9
Malignant neoplasm of stomach (151) .....	5.0	6.1	4.0	4.8	5.7	3.8	6.3	7.7	5.1	6.6	8.2	5.3
Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus (153,154) .....	21.3	21.5	21.1	22.4	22.6	22.2	16.1	16.0	16.1	19.0	18.9	19.1
Malignant neoplasm of pancreas (157) .....	10.3	10.0	10.5	10.7	10.5	10.9	8.2	7.9	8.5	9.6	9.3	9.9
Malignant neoplasms of trachea, bronchus, and lung (162) .....	57.3	70.6	44.6	61.0	73.9	48.6	39.4	54.3	25.9	47.3	65.8	30.5
Malignant melanoma of skin (172) .....	2.7	3.5	2.1	3.2	4.1	2.4	0.3	0.3	0.3	0.3	0.3	0.3
Malignant neoplasm of cervix uteri (180) .....	1.7	...	3.4	1.6	...	3.1	2.3	...	4.5	2.7	...	5.2
Malignant neoplasms of body of uterus and of uterus, part unspecified (179,182) .....	2.4	...	4.7	2.4	...	4.7	2.4	...	4.6	2.9	...	5.6
Malignant neoplasm of ovary (183.0) .....	5.0	...	9.7	5.4	...	10.7	2.7	...	5.2	3.0	...	5.7
Malignant neoplasm of prostate (185) .....	12.9	26.3	...	12.8	25.9	...	13.4	28.0	...	17.1	35.9	...
Malignant neoplasm of bladder (188) .....	4.3	5.9	2.8	4.8	6.6	3.0	2.2	2.5	1.9	2.6	2.9	2.4
Malignant neoplasms of kidney and other and unspecified urinary organs (189) .....	4.4	5.4	3.3	4.7	5.9	3.6	2.6	3.2	2.0	3.0	3.7	2.4
Malignant neoplasms of brain and other and unspecified parts of nervous system (191,192) .....	4.7	5.2	4.2	5.2	5.8	4.7	1.9	2.0	1.7	2.1	2.3	1.9
Hodgkin's disease (201) .....	0.5	0.6	0.5	0.6	0.6	0.5	0.3	0.4	0.3	0.4	0.5	0.3
Malignant lymphoma other than Hodgkin's disease (200,202) .....	8.6	9.2	8.1	9.6	10.1	9.1	4.1	4.8	3.4	4.5	5.4	3.8
Multiple myeloma and other immunoproliferative neoplasms (203) ..	3.9	4.0	3.7	3.8	4.0	3.6	4.1	4.2	4.1	5.2	5.3	5.1

.. 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, 1996

<i>Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975), race<sup>1</sup>, 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, both sexes .....	34,040	11	77	605	8,766	7,403	6,064	3,982	2,394	2,352	1,812	546	28
Male .....	29,183	6	43	463	7,862	6,347	4,941	3,251	2,052	2,062	1,631	500	25
Female .....	4,857	5	34	142	904	1,056	1,123	731	342	290	181	46	3
White, both sexes .....	24,114	4	40	402	4,544	4,615	4,594	3,347	2,126	2,169	1,733	526	14
Male .....	20,511	2	26	308	4,008	3,917	3,728	2,720	1,825	1,914	1,566	485	12
Female .....	3,603	2	14	94	536	698	866	627	301	255	167	41	2
Black, both sexes .....	9,175	7	33	179	3,955	2,596	1,344	558	237	167	71	19	9
Male .....	8,050	4	16	137	3,626	2,273	1,110	467	203	134	58	14	8
Female .....	1,125	3	17	42	329	323	234	91	34	33	13	5	1
<b>Accident caused by firearm missile (E922):</b>													
All races, both sexes .....	1,134	2	15	121	401	183	149	98	67	60	28	10	-
Male .....	1,004	1	10	108	370	158	130	84	57	53	25	8	-
Female .....	130	1	5	13	31	25	19	14	10	7	3	2	-
White, both sexes .....	868	-	8	87	268	145	124	84	60	54	28	10	-
Male .....	764	-	5	76	248	125	107	72	50	48	25	8	-
Female .....	104	-	3	11	20	20	17	12	10	6	3	2	-
Black, both sexes .....	244	2	7	33	121	33	24	11	7	6	-	-	-
Male .....	219	1	5	31	111	28	22	9	7	5	-	-	-
Female .....	25	1	2	2	10	5	2	2	-	1	-	-	-
<b>Suicide by firearms (E955.0-E955.4):</b>													
All races, both sexes .....	18,166	...	...	162	2,724	3,120	3,417	2,707	1,842	2,034	1,650	500	10
Male .....	15,808	...	...	129	2,424	2,695	2,854	2,257	1,600	1,831	1,532	477	9
Female .....	2,358	...	...	33	300	425	563	450	242	203	118	23	1
White, both sexes .....	16,523	...	...	134	2,239	2,711	3,116	2,551	1,739	1,937	1,603	487	6
Male .....	14,383	...	...	106	1,983	2,339	2,604	2,129	1,513	1,746	1,491	467	5
Female .....	2,140	...	...	28	256	372	512	422	226	191	112	20	1
Black, both sexes .....	1,325	...	...	22	384	317	246	128	87	87	40	12	2
Male .....	1,162	...	...	17	352	280	209	106	77	76	34	9	2
Female .....	163	...	...	5	32	37	37	22	10	11	6	3	-
<b>Homicide and legal intervention by firearms (E965.0-E965.4, E970):</b>													
All races, both sexes .....	14,327	9	59	312	5,497	4,021	2,424	1,132	465	242	120	29	17
Male .....	12,014	5	32	216	4,934	3,425	1,899	875	378	165	61	9	15
Female .....	2,313	4	27	96	563	596	525	257	87	77	59	20	2
White, both sexes .....	6,435	4	30	172	1,957	1,710	1,293	674	313	163	89	22	8
Male .....	5,116	2	20	117	1,703	1,412	969	489	249	107	37	4	7
Female .....	1,319	2	10	55	254	298	324	185	64	56	52	18	1
Black, both sexes .....	7,487	5	25	124	3,387	2,217	1,063	412	138	73	30	7	6
Male .....	6,565	3	11	89	3,104	1,938	870	347	116	53	24	5	5
Female .....	922	2	14	35	283	279	193	65	22	20	6	2	1
<b>Injury by firearms, undetermined whether accidentally or purposefully inflicted (E985.0-E985.4):</b>													
All races, both sexes .....	413	-	3	10	144	79	74	45	20	16	14	7	1
Male .....	357	-	1	10	134	69	58	35	17	13	13	6	1
Female .....	56	-	2	-	10	10	16	10	3	3	1	1	-
White, both sexes .....	288	-	2	9	80	49	61	38	14	15	13	7	-
Male .....	248	-	1	9	74	41	48	30	13	13	13	6	-
Female .....	40	-	1	-	6	8	13	8	1	2	-	1	-
Black, both sexes .....	119	-	1	-	63	29	11	7	5	1	1	-	1
Male .....	104	-	-	-	59	27	9	5	3	-	-	-	1
Female .....	15	-	1	-	4	2	2	2	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, 1996**

[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<sup>1</sup>, and sex</i>	<i>All ages<sup>2</sup></i>	<i>Under 1 year<sup>3</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>4</sup></i>
<b>Injury by firearms (E922, E955.0-E955.4, E965.0-E965.4, E970, E985.0-E985.4):</b>													
All races, both sexes .....	12.8	*	0.5	1.6	24.2	18.3	14.0	12.3	11.2	12.6	15.9	14.5	12.9
Male .....	22.5	*	0.5	2.4	42.2	31.4	22.9	20.5	20.2	24.8	36.4	46.7	22.4
Female .....	3.6	*	0.4	0.8	5.1	5.2	5.1	4.4	3.1	2.8	2.6	1.7	3.6
White, both sexes .....	11.0	*	0.3	1.3	15.8	14.1	12.7	12.1	11.5	13.1	16.7	15.4	10.5
Male .....	19.0	*	0.4	2.0	26.9	23.6	20.6	19.9	20.6	25.8	38.4	50.6	18.0
Female .....	3.2	*	*	0.6	3.8	4.3	4.8	4.5	3.2	2.8	2.7	1.7	3.1
Black, both sexes .....	27.4	*	1.4	3.0	72.0	48.0	25.3	16.4	11.0	10.2	8.4	*	28.5
Male .....	50.6	*	*	4.5	131.6	88.6	44.7	30.2	21.7	19.6	18.6	*	52.0
Female .....	6.4	*	*	1.4	12.0	11.3	8.3	4.9	2.8	3.5	*	*	6.5
<b>Accident caused by firearm missile (E922):</b>													
All races, both sexes .....	0.4	*	*	0.3	1.1	0.5	0.3	0.3	0.3	0.3	0.2	*	0.5
Male .....	0.8	*	*	0.5	2.0	0.8	0.6	0.5	0.6	0.6	0.6	*	0.8
Female .....	0.1	*	*	*	0.2	0.1	*	*	*	*	*	*	0.1
White, both sexes .....	0.4	*	*	0.3	0.9	0.4	0.3	0.3	0.3	0.3	0.3	*	0.4
Male .....	0.7	*	*	0.5	1.7	0.8	0.6	0.5	0.6	0.6	0.6	*	0.8
Female .....	0.1	*	*	*	0.1	0.1	*	*	*	*	*	*	0.1
Black, both sexes .....	0.7	*	*	0.6	2.2	0.6	0.5	*	*	*	*	*	0.8
Male .....	1.4	*	*	1.0	4.0	1.1	0.9	*	*	*	*	*	1.4
Female .....	0.1	*	*	*	*	*	*	*	*	*	*	*	0.2
<b>Suicide by firearms (E955.0-E955.4):</b>													
All races, both sexes .....	6.8	...	...	0.4	7.5	7.7	7.9	8.4	8.6	10.9	14.4	13.3	6.3
Male .....	12.2	...	...	0.7	13.0	13.3	13.2	14.3	15.7	22.0	34.1	44.6	11.2
Female .....	1.7	...	...	0.2	1.7	2.1	2.6	2.7	2.2	2.0	1.7	0.9	1.7
White, both sexes .....	7.5	...	...	0.4	7.8	8.3	8.6	9.2	9.4	11.7	15.5	14.3	6.7
Male .....	13.3	...	...	0.7	13.3	14.1	14.4	15.6	17.1	23.5	36.6	48.7	11.9
Female .....	1.9	...	...	0.2	1.8	2.3	2.9	3.0	2.4	2.1	1.8	0.8	1.8
Black, both sexes .....	4.0	...	...	0.4	7.0	5.9	4.6	3.8	4.0	5.3	4.7	*	4.1
Male .....	7.3	...	...	*	12.8	10.9	8.4	6.9	8.2	11.1	10.9	*	7.6
Female .....	0.9	...	...	*	1.2	1.3	1.3	1.2	*	*	*	*	0.9
<b>Homicide and legal intervention by firearms (E965.0-E965.4, E970):</b>													
All races, both sexes .....	5.4	*	0.4	0.8	15.2	10.0	5.6	3.5	2.2	1.3	1.0	0.8	6.0
Male .....	9.3	*	0.4	1.1	26.5	17.0	8.8	5.5	3.7	2.0	1.4	*	10.1
Female .....	1.7	*	0.4	0.5	3.2	3.0	2.4	1.6	0.8	0.7	0.8	0.7	1.8
White, both sexes .....	2.9	*	0.2	0.6	6.8	5.2	3.6	2.4	1.7	1.0	0.9	0.6	3.2
Male .....	4.7	*	0.3	0.7	11.4	8.5	5.3	3.6	2.8	1.4	0.9	*	5.1
Female .....	1.2	*	*	0.4	1.8	1.8	1.8	1.3	0.7	0.6	0.8	*	1.2
Black, both sexes .....	22.3	*	1.0	2.1	61.6	41.0	20.0	12.1	6.4	4.5	3.5	*	23.3
Male .....	41.3	*	*	2.9	112.6	75.6	35.0	22.5	12.4	7.8	7.7	*	42.3
Female .....	5.2	*	*	1.2	10.3	9.8	6.8	3.5	1.8	2.1	*	*	5.4
<b>Injury by firearms, undetermined whether accidentally or purposefully inflicted (E985.0-E985.4):</b>													
All races, both sexes .....	0.2	*	*	*	0.4	0.2	0.2	0.1	0.1	*	*	*	0.2
Male .....	0.3	*	*	*	0.7	0.3	0.3	0.2	*	*	*	*	0.3
Female .....	0.0	*	*	*	*	*	*	*	*	*	*	*	0.0
White, both sexes .....	0.1	*	*	*	0.3	0.1	0.2	0.1	*	*	*	*	0.1
Male .....	0.2	*	*	*	0.5	0.2	0.3	0.2	*	*	*	*	0.2
Female .....	0.0	*	*	*	*	*	*	*	*	*	*	*	0.0
Black, both sexes .....	0.4	*	*	*	1.1	0.5	*	*	*	*	*	*	0.4
Male .....	0.7	*	*	*	2.1	1.1	*	*	*	*	*	*	0.7
Female .....	*	*	*	*	*	*	*	*	*	*	*	*	*

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

... Category not applicable.

<sup>1</sup> "All races" includes races other than white and black.<sup>2</sup> Figures for age not stated included in "All ages" but are 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.

**Table 18. Number of deaths, death rates, and age-adjusted death rates for injury by firearms, by race and sex: United States, 1979-96**

[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						All other					
	All races			White			Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Number												
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												
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 death rate <sup>1</sup>												
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. Number of deaths, death rates, and age-adjusted death rates for drug-induced causes, by race and sex: United States, 1979-96**

[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			White			All other					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Number												
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												
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 death rate <sup>1</sup>												
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 20. Number of deaths, death rates, and age-adjusted death rates for alcohol-induced causes, by race and sex: United States, 1979-96**

[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						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																		
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																		
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 death rate <sup>1</sup>																		
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 21. Number of deaths, death rates, and age-adjusted death rates for ages 15 years and over, by race, sex, and marital status: United States, 1996**

[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 .....	2,271,402	32,443	51,147	96,033	144,329	233,725	473,894	1,239,831	...
Never married .....	238,380	29,254	28,689	33,028	23,156	20,446	30,878	72,929	...
Ever married .....	2,024,026	3,085	22,062	62,027	119,868	211,820	441,059	1,164,105	...
Married .....	941,833	2,628	15,752	39,653	77,520	140,106	268,197	397,977	...
Widowed .....	861,123	48	490	1,938	6,412	27,009	119,105	706,121	...
Divorced .....	221,070	409	5,820	20,436	35,936	44,705	53,757	60,007	...
Not stated .....	8,996	104	396	978	1,305	1,459	1,957	2,797	...
All races <sup>3</sup> , male .....	1,138,879	24,313	36,070	64,304	90,871	141,170	269,173	512,978	...
Never married .....	146,247	22,299	21,901	25,128	16,437	13,798	19,552	27,132	...
Ever married .....	986,057	1,933	13,859	38,371	73,326	126,170	248,102	484,296	...
Married .....	652,741	1,676	10,003	24,142	48,132	90,985	183,473	294,330	...
Widowed .....	210,483	21	184	743	2,006	7,845	34,399	165,285	...
Divorced .....	122,833	236	3,672	13,486	23,188	27,340	30,230	24,681	...
Not stated .....	6,575	81	310	805	1,108	1,202	1,519	1,550	...
All races <sup>3</sup> , female .....	1,132,523	8,130	15,077	31,729	53,458	92,555	204,721	726,853	...
Never married .....	92,133	6,955	6,788	7,900	6,719	6,648	11,326	45,797	...
Ever married .....	1,037,969	1,152	8,203	23,656	46,542	85,650	192,957	679,809	...
Married .....	289,092	952	5,749	15,511	29,388	49,121	84,724	103,647	...
Widowed .....	650,640	27	306	1,195	4,406	19,164	84,706	540,836	...
Divorced .....	98,237	173	2,148	6,950	12,748	17,365	23,527	35,326	...
Not stated .....	2,421	23	86	173	197	257	438	1,247	...
White, both sexes .....	1,963,735	22,943	35,846	68,898	110,879	190,141	408,874	1,126,154	...
Never married .....	178,936	20,300	18,120	20,299	15,089	14,378	24,791	65,959	...
Ever married .....	1,778,581	2,569	17,466	47,987	94,953	174,760	382,720	1,058,126	...
Married .....	833,014	2,155	12,298	30,611	62,476	118,829	239,193	367,452	...
Widowed .....	761,463	41	352	1,165	4,198	19,886	98,135	637,686	...
Divorced .....	184,104	373	4,816	16,211	28,279	36,045	45,392	52,988	...
Not stated .....	6,218	74	260	612	837	1,003	1,363	2,069	...
White, male .....	975,190	16,989	25,671	47,062	70,359	115,688	234,310	465,111	...
Never married .....	106,346	15,320	14,389	16,317	11,050	9,818	15,686	23,766	...
Ever married .....	864,274	1,609	11,067	30,224	58,594	105,030	217,561	440,189	...
Married .....	578,313	1,370	7,849	18,700	38,664	76,991	163,609	271,130	...
Widowed .....	183,906	17	128	488	1,315	5,763	28,420	147,775	...
Divorced .....	102,055	222	3,090	11,036	18,615	22,276	25,532	21,284	...
Not stated .....	4,570	60	215	521	715	840	1,063	1,156	...
White, female .....	988,545	5,954	10,175	21,836	40,520	74,453	174,564	661,043	...
Never married .....	72,590	4,980	3,731	3,982	4,039	4,560	9,105	42,193	...
Ever married .....	914,307	960	6,399	17,763	36,359	69,730	165,159	617,937	...
Married .....	254,701	785	4,449	11,911	23,812	41,838	75,584	96,322	...
Widowed .....	577,557	24	224	677	2,883	14,123	69,715	489,911	...
Divorced .....	82,049	151	1,726	5,175	9,664	13,769	19,860	31,704	...
Not stated .....	1,648	14	45	91	122	163	300	913	...
Black, both sexes .....	269,691	8,252	13,638	24,590	29,771	38,459	56,749	98,232	...
Never married .....	54,608	7,801	9,642	11,978	7,585	5,675	5,608	6,319	...
Ever married .....	212,459	422	3,870	12,256	21,742	32,351	50,592	91,226	...
Married .....	89,967	391	2,888	7,688	12,702	17,855	23,969	24,474	...
Widowed .....	88,529	7	120	730	2,010	6,507	18,844	60,311	...
Divorced .....	33,963	24	862	3,838	7,030	7,989	7,779	6,441	...
Not stated .....	2,624	29	126	356	444	433	549	687	...
Black, male .....	142,525	6,422	9,259	15,635	18,397	22,438	30,241	40,133	...
Never married .....	36,410	6,120	6,806	8,238	5,066	3,718	3,524	2,938	...
Ever married .....	104,235	282	2,366	7,123	12,958	18,377	26,299	36,830	...
Married .....	61,487	267	1,823	4,659	8,087	11,775	16,482	18,394	...
Widowed .....	23,692	4	48	239	644	1,933	5,438	15,386	...
Divorced .....	19,056	11	495	2,225	4,227	4,669	4,379	3,050	...
Not stated .....	1,880	20	87	274	373	343	418	365	...
Black, female .....	127,166	1,830	4,379	8,955	11,374	16,021	26,508	58,099	...
Never married .....	18,198	1,681	2,836	3,740	2,519	1,957	2,084	3,381	...
Ever married .....	108,224	140	1,504	5,133	8,784	13,974	24,293	54,396	...
Married .....	28,480	124	1,065	3,029	4,615	6,080	7,487	6,080	...
Widowed .....	64,837	3	72	491	1,366	4,574	13,406	44,925	...
Divorced .....	14,907	13	367	1,613	2,803	3,320	3,400	3,391	...
Not stated .....	744	9	39	82	71	90	131	322	...

See footnotes at end of table.



**Table 21. Number of deaths, death rates, and age-adjusted death rates for ages 15 years and over, by race, sex, and marital status: United States, 1996-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>
All races <sup>3</sup> , both sexes	1,094.3	89.6	126.7	221.3	445.9	1,094.1	2,538.4	8,161.3	842.5
Never married	422.3	93.1	206.6	523.5	968.9	1,938.0	4,010.1	11,545.0	1,412.3
Ever married	1,339.3	64.1	83.3	167.3	399.8	1,043.1	2,464.1	7,995.3	787.9
Married	801.2	59.7	67.3	128.0	320.0	877.6	2,200.5	6,251.0	649.6
Widowed	5,822.3	*	406.4	567.3	780.7	1,542.7	2,824.5	9,394.7	1,208.0
Divorced	1,177.6	105.9	198.1	355.2	728.2	1,725.9	3,597.4	8,862.1	1,158.7
All races <sup>3</sup> , male	1,135.9	130.6	178.6	298.1	573.8	1,388.7	3,233.4	9,232.5	1,041.5
Never married	469.3	132.5	268.8	663.7	1,256.3	2,587.9	5,380.7	13,786.4	1,812.1
Ever married	1,427.1	108.2	115.1	215.8	504.7	1,309.8	3,116.4	9,036.3	960.8
Married	1,117.7	101.7	93.4	159.2	393.7	1,097.2	2,793.8	7,744.4	814.5
Widowed	7,826.3	*	*	*	1,471.7	2,518.8	4,290.5	12,389.9	1,883.8
Divorced	1,534.6	171.7	282.7	527.7	1,070.3	2,657.3	5,102.7	10,976.5	1,630.9
All races <sup>3</sup> , female	1,055.3	46.2	74.7	145.4	323.3	826.7	1,979.0	7,543.6	676.3
Never married	364.3	47.7	118.3	313.2	621.2	1,274.0	2,785.3	10,530.7	1,029.3
Ever married	1,265.4	38.1	56.8	122.6	301.2	802.4	1,941.6	7,388.9	648.9
Married	488.7	34.6	45.2	98.0	244.9	640.2	1,507.3	4,039.2	449.5
Widowed	5,377.0	*	376.7	430.2	643.2	1,331.5	2,480.3	8,748.4	1,055.4
Divorced	912.2	69.6	131.1	217.4	460.4	1,112.2	2,608.6	7,810.9	842.0
White, both sexes	1,128.4	79.5	109.2	191.0	401.8	1,032.5	2,476.3	8,187.5	807.9
Never married	418.2	82.5	180.7	457.3	862.8	1,849.1	3,936.5	11,906.7	1,360.6
Ever married	1,355.3	60.7	76.6	151.7	367.4	990.8	2,409.8	8,015.8	764.2
Married	809.2	55.6	60.7	115.0	295.7	842.9	2,156.6	6,261.7	631.3
Widowed	6,035.9	*	426.4	428.5	685.4	1,473.0	2,774.5	9,447.2	1,147.7
Divorced	1,174.9	109.3	196.8	341.5	688.2	1,646.4	3,620.3	9,098.8	1,145.7
White, male	1,152.8	113.9	154.8	259.6	515.5	1,305.2	3,158.3	9,237.7	995.1
Never married	440.2	114.8	234.3	584.0	1,103.4	2,399.4	5,162.3	14,037.0	1,714.5
Ever married	1,430.2	102.6	105.9	197.1	463.3	1,242.3	3,057.8	9,047.0	930.8
Married	1,125.1	94.4	84.1	142.5	361.2	1,050.2	2,737.1	7,786.5	791.0
Widowed	8,070.7	*	*	*	1,204.8	2,292.4	4,415.0	12,403.5	1,743.2
Divorced	1,512.0	194.6	284.2	511.8	1,015.0	2,553.9	5,170.1	11,075.3	1,610.6
White, female	1,105.4	42.7	62.7	121.6	290.5	779.5	1,919.8	7,581.1	649.8
Never married	389.6	44.2	96.0	242.1	540.5	1,237.9	2,793.7	10,969.0	999.8
Ever married	1,291.4	36.1	51.8	108.9	275.5	759.4	1,883.9	7,413.8	628.7
Married	494.2	32.4	40.7	88.2	228.5	618.3	1,478.1	4,036.6	436.8
Widowed	5,587.4	*	*	309.9	572.8	1,285.5	2,409.5	8,813.6	1,010.8
Divorced	919.8	66.5	126.9	199.8	424.8	1,045.5	2,613.2	8,125.4	831.2
Black, both sexes	1,098.2	150.1	252.0	462.6	873.1	1,782.0	3,474.0	8,674.8	1,221.3
Never married	513.8	153.4	326.9	746.9	1,349.1	2,385.8	4,710.5	*	1,615.9
Ever married	1,525.3	102.8	157.2	330.2	763.6	1,684.6	3,340.6	8,584.2	1,110.7
Married	934.8	106.2	140.9	272.7	637.2	1,422.0	3,057.7	6,902.3	945.0
Widowed	5,162.9	*	*	*	1,312.4	2,012.2	3,546.1	9,778.0	1,641.9
Divorced	1,311.4	*	221.5	462.1	1,003.2	2,340.6	3,905.8	*	1,297.8
Black, male	1,254.2	233.0	361.0	629.2	1,190.6	2,395.1	4,431.5	10,177.1	1,580.5
Never married	685.1	237.4	464.2	991.0	1,913.5	3,711.7	*	*	2,322.9
Ever married	1,723.0	158.2	215.4	430.7	1,011.9	2,196.5	4,161.8	9,947.7	1,394.0
Married	1,312.1	171.1	196.8	350.7	823.2	1,827.0	3,912.1	8,103.1	1,191.2
Widowed	7,170.0	*	*	*	*	*	4,124.4	13,916.6	2,936.5
Divorced	1,844.8	*	298.5	705.0	1,509.2	3,365.1	*	*	1,851.0
Black, female	963.9	66.8	153.8	316.4	610.1	1,311.7	2,787.0	7,872.2	949.4
Never married	342.5	67.0	191.2	484.2	846.7	1,421.2	*	*	1,071.5
Ever married	1,373.5	60.2	110.3	249.4	560.6	1,289.5	2,752.5	7,855.2	903.6
Married	576.7	58.5	94.8	203.2	456.4	994.8	2,064.9	4,765.6	656.7
Widowed	4,683.7	*	*	*	1,011.1	1,694.3	3,355.2	8,874.2	1,400.3
Divorced	957.5	*	164.3	313.3	666.4	1,638.9	2,823.5	*	938.7

\* 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 22. Number of deaths, death rates, and age-adjusted death rates for ages 25–64 years, by educational attainment and sex: Total of 45 reporting States and the District of Columbia, 1996**

[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 .....	489,251	47,730	89,784	134,408	217,329	...
Under 12 years .....	116,191	11,124	18,092	27,512	59,463	...
12 years .....	209,969	21,524	39,683	56,077	92,685	...
13 or more years .....	142,648	13,307	28,279	45,042	56,020	...
Not stated .....	20,443	1,775	3,730	5,777	9,161	...
Male .....	309,576	33,672	60,187	84,632	131,085	...
Under 12 years .....	75,455	8,040	12,467	18,010	36,938	...
12 years .....	129,304	15,522	26,916	34,449	52,417	...
13 or more years .....	91,008	8,836	18,165	28,228	35,779	...
Not stated .....	13,809	1,274	2,639	3,945	5,951	...
Female .....	179,675	14,058	29,597	49,776	86,244	...
Under 12 years .....	40,736	3,084	5,625	9,502	22,525	...
12 years .....	80,665	6,002	12,767	21,628	40,268	...
13 or more years .....	51,640	4,471	10,114	16,814	20,241	...
Not stated .....	6,634	501	1,091	1,832	3,210	...
Rate <sup>3</sup>						
Both sexes .....	379.0	125.6	220.7	443.3	1,082.2	380.9
Under 12 years .....	637.7	224.3	371.9	692.0	1,345.0	556.0
12 years .....	486.5	179.1	287.1	567.0	1,247.0	472.4
13 or more years .....	210.7	63.3	128.5	273.7	680.8	230.4
Male .....	486.1	176.7	297.6	570.6	1,370.3	495.2
Under 12 years .....	808.1	297.9	477.7	933.5	1,759.5	733.0
12 years .....	626.5	249.8	390.0	789.6	1,657.5	642.6
13 or more years .....	270.0	87.1	169.6	330.5	831.2	287.2
Female .....	274.7	74.2	144.6	321.4	820.1	272.1
Under 12 years .....	458.6	136.5	249.5	464.3	970.2	379.4
12 years .....	358.1	103.4	184.5	391.3	943.0	328.9
13 or more years .....	151.9	41.1	89.6	212.5	515.8	171.4

... 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 23. 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, 1996**

[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 .....	5,778	545	1,246	1,444	1,146	792	605	...
All races <sup>3</sup> , male .....	5,280	503	1,139	1,337	1,047	738	516	...
All races <sup>3</sup> , female .....	498	42	107	107	99	54	89	...
White, both sexes .....	4,940	468	1,022	1,212	987	703	548	...
White, male .....	4,535	432	946	1,135	901	654	467	...
White, female .....	405	36	76	77	86	49	81	...
Black, both sexes .....	649	62	171	176	116	72	52	...
Black, male .....	582	59	148	154	107	67	47	...
Black, female .....	67	3	23	22	9	5	5	...
	Rate							
All races <sup>3</sup> , both sexes .....	2.8	1.5	3.1	3.3	3.5	3.7	1.8	2.8
All races <sup>3</sup> , male .....	5.3	2.7	5.6	6.2	6.6	7.3	3.7	5.2
All races <sup>3</sup> , female .....	0.5	0.2	0.5	0.5	0.6	0.5	0.4	0.4
White, both sexes .....	2.8	1.6	3.1	3.4	3.6	3.8	1.8	2.8
White, male .....	5.4	2.9	5.7	6.3	6.6	7.4	3.7	5.3
White, female .....	0.5	0.3	0.5	0.4	0.6	0.5	0.5	0.4
Black, both sexes .....	2.6	1.1	3.2	3.3	3.4	3.3	1.9	2.6
Black, male .....	5.1	2.1	5.8	6.2	6.9	7.2	4.4	5.2
Black, female .....	0.5	*	0.8	0.8	*	*	*	0.5

... 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 24. 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, and Guam, and by race and sex for the United States, 1996-Con.**

[Rates per 100,000 population in each race-sex group and 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]

Race, sex, and area	Chronic obstructive pulmonary diseases and allied conditions (490-496)			Chronic liver disease and cirrhosis (571)			Accidents and adverse effects (E800-E949)			Motor vehicle accidents (E810-E825)		
	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 .....	106,027	40.0	21.0	25,047	9.4	7.5	94,948	35.8	30.4	43,649	16.5	16.2
Male .....	54,485	42.0	25.9	16,311	12.6	10.7	61,589	47.4	43.3	29,123	22.4	22.3
Female .....	51,542	38.0	17.6	8,736	6.4	4.5	33,359	24.6	17.9	14,526	10.7	10.2
White .....	97,889	44.5	21.5	21,422	9.7	7.3	79,405	36.1	29.9	36,452	16.6	16.3
Male .....	49,822	46.1	26.3	13,992	12.9	10.5	51,061	47.3	42.4	24,214	22.4	22.2
Female .....	48,067	43.0	18.3	7,430	6.7	4.4	28,344	25.4	17.6	12,238	11.0	10.4
All other .....	8,138	17.9	15.6	3,625	8.0	8.3	15,543	34.1	33.2	7,197	15.8	16.0
Male .....	4,663	21.4	21.7	2,319	10.7	12.0	10,528	48.4	49.2	4,909	22.6	23.1
Female .....	3,475	14.6	11.4	1,306	5.5	5.3	5,015	21.1	19.2	2,288	9.6	9.5
Black .....	6,924	20.7	17.8	2,950	8.8	9.2	12,655	37.8	36.7	5,528	16.5	16.7
Male .....	3,928	24.7	24.8	1,923	12.1	13.8	8,642	54.3	55.7	3,862	24.3	24.9
Female .....	2,996	17.0	13.1	1,027	5.8	5.7	4,013	22.8	20.5	1,666	9.5	9.4
New England .....	5,459	40.9	18.6	1,240	9.3	6.9	3,407	25.5	19.1	1,257	9.4	9.2
Maine .....	659	53.0	24.6	123	9.9	7.0	395	31.8	24.7	177	14.2	14.0
New Hampshire .....	493	42.4	21.8	107	9.2	7.2	285	24.5	20.0	134	11.5	11.5
Vermont .....	243	41.3	22.2	31	5.3	4.2	194	33.0	26.2	84	14.3	13.9
Massachusetts .....	2,442	40.1	18.1	574	9.4	7.0	1,279	21.0	14.7	458	7.5	7.2
Rhode Island .....	410	41.4	16.1	102	10.3	7.7	208	21.0	14.3	78	7.9	7.5
Connecticut .....	1,212	37.0	16.4	303	9.3	6.7	1,046	31.9	25.1	326	10.0	10.1
Middle Atlantic .....	14,335	37.5	17.5	3,607	9.4	6.9	11,463	30.0	24.1	4,189	11.0	10.5
New York .....	6,112	33.6	16.6	1,712	9.4	7.3	4,738	26.1	21.4	1,761	9.7	9.3
New Jersey .....	2,809	35.2	16.8	792	9.9	7.4	2,289	28.7	23.0	834	10.4	9.8
Pennsylvania .....	5,414	44.9	19.0	1,103	9.1	6.2	4,436	36.8	28.8	1,594	13.2	12.7
East North Central .....	17,775	40.8	21.4	3,816	8.7	6.8	14,108	32.3	26.7	6,375	14.6	14.4
Ohio .....	5,123	45.9	23.1	922	8.3	6.1	3,407	30.5	24.7	1,429	12.8	12.6
Indiana .....	2,607	44.6	24.0	439	7.5	5.9	2,092	35.8	29.6	969	16.6	16.4
Illinois .....	4,361	36.8	19.9	1,129	9.5	7.6	3,683	31.1	26.3	1,600	13.5	13.5
Michigan .....	3,682	38.4	21.1	968	10.1	8.0	3,081	32.1	27.1	1,579	16.5	16.1
Wisconsin .....	2,002	38.8	18.4	358	6.9	5.3	1,845	35.8	27.8	798	15.5	15.2
West North Central .....	8,019	43.4	20.9	1,250	6.8	5.1	7,433	40.2	31.6	3,353	18.2	17.9
Minnesota .....	1,681	36.1	18.3	293	6.3	5.0	1,642	35.3	26.3	634	13.6	13.5
Iowa .....	1,346	47.2	21.0	177	6.2	4.2	1,091	38.3	29.1	490	17.2	16.8
Missouri .....	2,504	46.7	22.8	419	7.8	5.8	2,392	44.6	36.7	1,127	21.0	20.9
North Dakota .....	279	43.4	18.8	52	8.1	5.7	243	37.8	29.9	108	16.8	16.5
South Dakota .....	294	40.1	17.4	64	8.7	7.2	342	46.7	38.2	172	23.5	22.1
Nebraska .....	783	47.4	22.4	81	4.9	3.7	648	39.2	29.5	301	18.2	17.5
Kansas .....	1,132	44.0	22.0	164	6.4	5.0	1,075	41.8	33.9	521	20.3	20.2
South Atlantic .....	20,274	42.6	21.4	4,739	10.0	7.5	18,091	38.0	32.2	8,848	18.6	18.2
Delaware .....	279	38.5	20.9	81	11.2	9.1	241	33.2	28.5	105	14.5	14.5
Maryland .....	1,762	34.7	20.1	426	8.4	6.9	1,420	28.0	23.4	652	12.9	12.8
District of Columbia .....	162	29.8	15.8	96	17.7	14.3	179	33.0	26.7	59	10.9	10.5
Virginia .....	2,263	33.9	20.0	480	7.2	5.8	2,237	33.5	27.7	886	13.3	12.8
West Virginia .....	1,100	60.2	27.0	194	10.6	7.4	763	41.8	34.8	337	18.5	18.6
North Carolina .....	3,009	41.1	22.9	688	9.4	7.4	3,132	42.8	36.3	1,511	20.6	20.4
South Carolina .....	1,459	39.4	23.3	347	9.4	7.6	1,717	46.4	41.6	901	24.4	24.1
Georgia .....	2,533	34.4	23.8	596	8.1	7.0	2,995	40.7	37.1	1,588	21.6	21.7
Florida .....	7,707	53.5	20.1	1,831	12.7	8.5	5,407	37.5	31.5	2,809	19.5	18.8
East South Central .....	6,994	43.2	24.0	1,524	9.4	7.4	8,081	49.9	43.5	4,159	25.7	25.3
Kentucky .....	1,946	50.1	27.9	345	8.9	6.9	1,737	44.7	38.2	808	20.8	20.5
Tennessee .....	2,300	43.2	24.3	516	9.7	7.6	2,637	49.6	42.9	1,308	24.6	24.2
Alabama .....	1,741	40.7	21.5	408	9.5	7.3	2,198	51.4	45.0	1,176	27.5	27.2
Mississippi .....	1,007	37.1	21.9	255	9.4	8.0	1,509	55.6	50.2	867	31.9	31.6
West South Central .....	10,500	35.8	21.6	2,800	9.6	8.0	11,926	40.7	36.4	6,312	21.6	21.4
Arkansas .....	1,117	44.5	21.8	196	7.8	5.8	1,262	50.3	43.9	636	25.3	25.7
Louisiana .....	1,439	33.1	19.9	369	8.5	7.1	1,815	41.7	37.7	911	20.9	20.9
Oklahoma .....	1,566	47.4	24.7	290	8.8	6.8	1,580	47.9	41.1	809	24.5	24.0
Texas .....	6,378	33.3	21.5	1,945	10.2	8.9	7,269	38.0	34.3	3,956	20.7	20.5
Mountain .....	7,052	43.8	25.3	1,629	10.1	8.5	6,965	43.2	38.2	3,369	20.9	20.7
Montana .....	544	61.9	30.5	84	9.6	7.1	398	45.3	38.2	191	21.7	21.5
Idaho .....	477	40.1	22.7	71	6.0	4.9	562	47.3	41.5	282	23.7	23.0
Wyoming .....	245	50.9	29.4	37	7.7	5.7	245	50.9	46.4	118	24.5	25.2
Colorado .....	1,654	43.3	27.1	342	8.9	7.3	1,431	37.4	32.5	669	17.5	17.6
New Mexico .....	653	38.1	22.5	249	14.5	12.8	958	55.9	51.2	443	25.9	26.3
Arizona .....	2,130	48.1	24.5	546	12.3	10.0	2,123	47.9	41.6	996	22.5	22.1
Utah .....	460	23.0	17.0	88	4.4	4.3	644	32.2	29.6	342	17.1	16.9
Nevada .....	889	55.5	33.7	212	13.2	11.0	604	37.7	34.9	328	20.5	19.9
Pacific .....	15,619	36.8	21.3	4,442	10.5	9.1	13,474	31.8	28.3	5,787	13.6	13.4
Washington .....	2,211	40.0	21.8	461	8.3	6.8	1,949	35.2	29.7	793	14.3	14.2
Oregon .....	1,640	51.2	25.5	315	9.8	7.6	1,353	42.2	35.5	533	16.6	16.7
California .....	11,416	35.8	21.1	3,534	11.1	9.9	9,487	29.8	27.1	4,224	13.3	13.0
Alaska .....	113	18.6	22.9	54	8.9	8.8	317	52.2	53.1	98	16.1	16.5
Hawaii .....	239	20.2	10.6	78	6.6	4.9	368	31.1	25.6	139	11.7	11.5
Puerto Rico <sup>2</sup> .....	1,216	32.1	20.4	836	22.1	20.0	1,422	37.6	34.7	641	16.9	16.4
Virgin Islands <sup>2</sup> .....	9	*	*	12	*	*	33	29.1	30.3	15	*	*
Guam <sup>2</sup> .....	18	*	*	13	*	*	46	31.8	34.5	16	*	*

See footnotes at end of table.

**Table 24. 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, and Guam, and by race and sex for the United States, 1996-Con.**

[Rates per 100,000 population in each race-sex group and 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]

Race, sex, and area	Suicide (E950-E959)			Homicide (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>
United States .....	30,903	11.6	10.8	20,971	7.9	8.5	34,040	12.8	12.9
Male .....	24,998	19.3	18.0	16,269	12.5	13.3	29,183	22.5	22.4
Female .....	5,905	4.4	4.0	4,702	3.5	3.6	4,857	3.6	3.6
White .....	27,856	12.7	11.6	10,317	4.7	4.9	24,114	11.0	10.5
Male .....	22,547	20.9	19.1	7,570	7.0	7.3	20,511	19.0	18.0
Female .....	5,309	4.8	4.4	2,747	2.5	2.5	3,603	3.2	3.1
All other .....	3,047	6.7	6.8	10,654	23.4	24.0	9,926	21.8	22.6
Male .....	2,451	11.3	11.5	8,699	40.0	40.7	8,672	39.9	40.8
Female .....	596	2.5	2.5	1,955	8.2	8.2	1,254	5.3	5.4
Black .....	2,164	6.5	6.6	9,983	29.8	30.6	9,175	27.4	28.5
Male .....	1,820	11.4	11.8	8,183	51.5	52.6	8,050	50.6	52.0
Female .....	344	2.0	2.0	1,800	10.2	10.2	1,125	6.4	6.5
New England .....	1,239	9.3	8.6	452	3.4	3.7	809	6.1	6.0
Maine .....	171	13.8	11.8	29	2.3	2.3	123	9.9	8.4
New Hampshire .....	137	11.8	11.1	22	1.9	1.8	97	8.3	8.0
Vermont .....	66	11.2	10.3	9	*	*	56	9.5	9.1
Massachusetts .....	490	8.0	7.5	191	3.1	3.6	234	3.8	4.0
Rhode Island .....	83	8.4	7.8	28	2.8	3.1	52	5.3	5.0
Connecticut .....	292	8.9	8.6	173	5.3	6.0	247	7.5	8.2
Middle Atlantic .....	3,341	8.7	8.1	2,472	6.5	7.2	3,154	8.3	8.7
New York .....	1,327	7.3	6.7	1,369	7.5	8.3	1,428	7.9	8.5
New Jersey .....	586	7.3	6.7	388	4.9	5.5	395	4.9	5.4
Pennsylvania .....	1,428	11.8	11.0	715	5.9	6.8	1,331	11.0	11.3
East North Central .....	4,568	10.5	9.7	3,191	7.3	8.0	4,972	11.4	11.6
Ohio .....	1,054	9.4	8.6	502	4.5	4.8	1,008	9.0	8.8
Indiana .....	738	12.6	11.7	400	6.8	7.4	805	13.8	13.6
Illinois .....	1,061	9.0	8.4	1,267	10.7	12.0	1,418	12.0	12.9
Michigan .....	1,114	11.6	10.8	808	8.4	9.0	1,241	12.9	13.1
Wisconsin .....	601	11.6	10.9	214	4.1	4.5	500	9.7	9.6
West North Central .....	2,296	12.4	11.7	937	5.1	5.4	2,084	11.3	11.1
Minnesota .....	491	10.5	10.1	177	3.8	4.0	377	8.1	8.1
Iowa .....	321	11.3	10.6	71	2.5	2.8	225	7.9	7.4
Missouri .....	760	14.2	13.2	467	8.7	9.3	858	16.0	15.7
North Dakota .....	77	12.0	11.8	12	*	*	55	8.5	8.4
South Dakota .....	124	16.9	16.4	16	*	*	83	11.3	10.9
Nebraska .....	189	11.4	11.1	50	3.0	3.4	160	9.7	9.8
Kansas .....	334	13.0	12.1	144	5.6	6.1	326	12.7	12.5
South Atlantic .....	6,166	12.9	11.8	4,585	9.6	10.3	7,491	15.7	15.6
Delaware .....	97	13.4	11.9	57	7.9	7.5	85	11.7	10.8
Maryland .....	501	9.9	9.2	605	11.9	13.4	764	15.1	16.0
District of Columbia .....	35	6.4	5.7	325	59.8	72.9	267	49.2	60.7
Virginia .....	829	12.4	11.4	531	8.0	8.1	970	14.5	14.1
West Virginia .....	279	15.3	13.7	88	4.8	5.1	276	15.1	13.7
North Carolina .....	908	12.4	11.5	675	9.2	9.7	1,176	16.1	15.9
South Carolina .....	497	13.4	12.6	379	10.2	10.4	630	17.0	16.7
Georgia .....	867	11.8	11.2	736	10.0	10.2	1,249	17.0	16.9
Florida .....	2,153	15.0	13.1	1,189	8.3	9.2	2,074	14.4	14.1
East South Central .....	2,002	12.4	11.4	1,674	10.3	10.7	2,937	18.1	17.8
Kentucky .....	488	12.6	11.4	233	6.0	6.0	543	14.0	13.1
Tennessee .....	691	13.0	12.0	536	10.1	10.5	963	18.1	17.9
Alabama .....	513	12.0	11.0	529	12.4	13.0	870	20.4	20.0
Mississippi .....	310	11.4	11.2	376	13.8	14.1	561	20.7	20.8
West South Central .....	3,544	12.1	11.6	2,890	9.9	10.3	4,619	15.8	15.9
Arkansas .....	323	12.9	12.6	239	9.5	9.9	430	17.1	17.2
Louisiana .....	531	12.2	11.9	798	18.3	19.5	1,052	24.2	25.2
Oklahoma .....	467	14.1	13.6	269	8.1	8.6	521	15.8	15.6
Texas .....	2,223	11.6	11.1	1,584	8.3	8.5	2,616	13.7	13.6
Mountain .....	2,799	17.4	16.4	1,221	7.6	7.9	2,672	16.6	16.2
Montana .....	174	19.8	18.6	37	4.2	4.4	156	17.7	16.8
Idaho .....	177	14.9	13.8	50	4.2	4.3	166	14.0	13.1
Wyoming .....	88	18.3	16.1	15	*	*	85	17.7	16.4
Colorado .....	694	18.2	16.8	214	5.6	5.9	536	14.0	13.6
New Mexico .....	318	18.6	17.9	187	10.9	11.6	324	18.9	18.9
Arizona .....	726	16.4	15.3	446	10.1	10.9	833	18.8	18.7
Utah .....	287	14.3	14.7	66	3.3	3.3	213	10.6	10.8
Nevada .....	335	20.9	19.8	206	12.8	13.5	359	22.4	22.3
Pacific .....	4,948	11.7	10.9	3,549	8.4	9.0	5,302	12.5	12.7
Washington .....	773	14.0	12.9	260	4.7	4.9	616	11.1	10.6
Oregon .....	520	16.2	14.7	150	4.7	5.0	427	13.3	12.5
California .....	3,408	10.7	10.0	3,056	9.6	10.3	4,088	12.8	13.2
Alaska .....	120	19.8	20.5	42	6.9	7.0	123	20.3	21.0
Hawaii .....	127	10.7	10.4	41	3.5	3.7	48	4.1	3.9
Puerto Rico <sup>2</sup> .....	325	8.6	8.3	914	24.2	24.9	887	23.4	24.2
Virgin Islands <sup>2</sup> .....	9	*	*	23	20.3	23.4	20	17.7	19.4
Guam <sup>2</sup> .....	31	21.4	22.8	15	*	*	18	*	*

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

<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, and Guam are calculated using different age groups in the weighting procedure; see Technical notes.

**Table 25. Infant, neonatal, and postneonatal mortality rates by race and sex: United States, 1940, 1950, 1960, 1970, and 1975-96**

[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>												
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>												
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 25. Infant, neonatal, and postneonatal mortality rates by race and sex: United States, 1940, 1950, 1960, 1970, and 1975-96-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			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
Postneonatal mortality rate												
Race of mother <sup>1</sup>												
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 26. Number of infant, neonatal, and postneonatal deaths and mortality rates, by specified Hispanic origin and race for non-Hispanic: Total of 49 States and the District of Columbia, 1996**

[Rates per 1,000 live births in specified group. Live births based on race and Hispanic origin of mother; see Technical notes. 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]

Age	All origins	Hispanic <sup>1</sup>					Non-Hispanic			Not stated <sup>4</sup>
		Total	Mexican	Puerto Rican	Cuban	Other Hispanic <sup>2</sup>	Total <sup>3</sup>	White	Black	
Number										
Under 1 year .....	28,093	4,102	2,858	426	64	754	23,549	14,239	8,404	442
Under 28 days .....	18,342	2,640	1,817	280	49	494	15,327	9,337	5,446	375
28 days-11 months .....	9,751	1,462	1,041	146	15	260	8,222	4,902	2,958	67
Rate										
Under 1 year <sup>5</sup> .....	7.3	5.9	5.9	7.8	5.1	5.3	7.6	6.1	14.7	...
Under 28 days <sup>5</sup> .....	4.8	3.8	3.7	5.1	3.9	3.4	5.0	4.0	9.5	...
28 days-11 months <sup>5</sup> .....	2.5	2.1	2.1	2.7	*	1.8	2.7	2.1	5.2	...

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

... Category not applicable.

<sup>1</sup> Hispanic origin data exclude Oklahoma; see Technical notes.

<sup>2</sup> Includes Central and South American and other and unknown Hispanic.

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

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

<sup>5</sup> Figures for origin not stated included in "All origins" but not distributed among origin groups.

**Table 27. Number of infant, neonatal, and postneonatal deaths, percent of total deaths, mortality rates, and percent change in mortality rates from 1995 to 1996 and 1979 to 1996 for the 10 leading causes of infant death in 1996: United States**

[Rates per 100,000 live births]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	Number	Percent of total deaths	Rate	Percent change <sup>2</sup> from--	
					1995 to 1996	1979 to 1996
Infant mortality						
...	All causes .....	28,487	100.0	732.0	-3.5	-44.0
1	Congenital anomalies (740-759) .....	6,381	22.4	164.0	-2.4	-35.8
2	Disorders relating to short gestation and unspecified low birthweight (765) .....	3,902	13.7	100.3	-0.6	0.3
3	Sudden infant death syndrome (798.0) .....	3,050	10.7	78.4	-10.0	-48.1
4	Respiratory distress syndrome (769) .....	1,362	4.8	35.0	-6.2	-77.6
5	Newborn affected by maternal complications of pregnancy (761) .....	1,249	4.4	32.1	-4.5	-30.8
6	Newborn affected by complications of placenta, cord, and membranes (762) .....	949	3.3	24.4	-1.2	-12.2
7	Accidents and adverse effects (E800-E949) .....	804	2.8	20.7	2.5	-33.0
8	Infections specific to the perinatal period (771) .....	756	2.7	19.4	-4.0	-31.0
9	Pneumonia and influenza (480-487) .....	496	1.7	12.7	0.8	-60.7
10	Intrauterine hypoxia and birth asphyxia (768) .....	428	1.5	11.0	-9.8	-72.4
Neonatal mortality						
...	All causes .....	18,572	100.0	477.2	-2.9	-46.2
1	Congenital anomalies (740-759) .....	4,575	24.6	117.6	-3.1	-35.7
2	Disorders relating to short gestation and unspecified low birthweight (765) .....	3,845	20.7	98.8	-0.6	-0.5
3	Respiratory distress syndrome (769) .....	1,255	6.8	32.2	-7.2	-78.3
4	Newborn affected by maternal complications of pregnancy (761) .....	1,239	6.7	31.8	-5.1	-30.9
5	Newborn affected by complications of placenta, cord, and membranes (762) .....	934	5.0	24.0	-0.8	-12.7
6	Infections specific to the perinatal period (771) .....	694	3.7	17.8	-6.3	-34.3
7	Intrauterine hypoxia and birth asphyxia (768) .....	392	2.1	10.1	-9.8	-73.6
8	Neonatal hemorrhage (772) .....	300	1.6	7.7	4.1	-70.8
9	Sudden infant death syndrome (798.0) .....	213	1.1	5.5	-1.8	-53.8
10	Birth trauma (767) .....	164	0.9	4.2	-14.3	-86.8
Postneonatal mortality						
...	All causes .....	9,915	100.0	254.8	-4.7	-39.4
1	Sudden infant death syndrome (798.0) .....	2,837	28.6	72.9	-10.6	-47.6
2	Congenital anomalies (740-759) .....	1,806	18.2	46.4	-0.4	-36.1
3	Accidents and adverse effects (E800-E949) .....	711	7.2	18.3	-1.1	-35.6
4	Pneumonia and influenza (480-487) .....	398	4.0	10.2	2.0	-58.2
5	Homicide and legal intervention (E960-E969) .....	285	2.9	7.3	9.0	92.1
6	Septicemia (038) .....	199	2.0	5.1	-10.5	-32.0
7	Respiratory distress syndrome (769) .....	107	1.1	2.7	3.8	-66.2
8	Bronchitis and bronchiolitis (466,490-491) .....	89	0.9	2.3	-4.2	-43.9
9	Meningitis (320-322) .....	81	0.8	2.1	-12.5	-75.3
10	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) ..	72	0.7	1.9	26.7	-34.5

... 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.

**Table 28. Number of infant deaths and infant mortality rates for the 10 leading causes of infant death, by race: United States, 1996**

[Rates per 100,000 live births]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	Number	Rate
All races <sup>2</sup>			
...	All causes .....	28,487	732.0
1	Congenital anomalies (740-759) .....	6,381	164.0
2	Disorders relating to short gestation and unspecified low birthweight (765) .....	3,902	100.3
3	Sudden infant death syndrome (798.0) .....	3,050	78.4
4	Respiratory distress syndrome (769) .....	1,362	35.0
5	Newborn affected by maternal complications of pregnancy (761) .....	1,249	32.1
6	Newborn affected by complications of placenta, cord, and membranes (762) .....	949	24.4
7	Accidents and adverse effects (E800-E949) .....	804	20.7
8	Infections specific to the perinatal period (771) .....	756	19.4
9	Pneumonia and influenza (480-487) .....	496	12.7
10	Intrauterine hypoxia and birth asphyxia (768) .....	428	11.0
...	All other causes (Residual) .....	9,110	234.1
White			
...	All causes .....	18,761	606.6
1	Congenital anomalies (740-759) .....	4,951	160.1
2	Disorders relating to short gestation and unspecified low birthweight (765) .....	2,120	68.5
3	Sudden infant death syndrome (798.0) .....	1,955	63.2
4	Respiratory distress syndrome (769) .....	845	27.3
5	Newborn affected by maternal complications of pregnancy (761) .....	805	26.0
6	Newborn affected by complications of placenta, cord, and membranes (762) .....	631	20.4
7	Accidents and adverse effects (E800-E949) .....	545	17.6
8	Infections specific to the perinatal period (771) .....	475	15.4
9	Intrauterine hypoxia and birth asphyxia (768) .....	313	10.1
10	Pneumonia and influenza (480-487) .....	310	10.0
...	All other causes (Residual) .....	5,811	187.9
Black			
...	All causes .....	8,730	1,467.8
1	Disorders relating to short gestation and unspecified low birthweight (765) .....	1,671	280.9
2	Congenital anomalies (740-759) .....	1,189	199.9
3	Sudden infant death syndrome (798.0) .....	980	164.8
4	Respiratory distress syndrome (769) .....	473	79.5
5	Newborn affected by maternal complications of pregnancy (761) .....	422	71.0
6	Newborn affected by complications of placenta, cord, and membranes (762) .....	285	47.9
7	Infections specific to the perinatal period (771) .....	256	43.0
8	Accidents and adverse effects (E800-E949) .....	223	37.5
9	Pneumonia and influenza (480-487) .....	159	26.7
10	Homicide (E960-E969) .....	121	20.3
...	All other causes (Residual) .....	2,951	496.1

... 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 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: Total of 49 reporting States and the District of Columbia, 1996**

[Rates per 100,000 live births. 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]

Rank <sup>1</sup>	Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975)	Number	Rate
Hispanic origin <sup>2</sup>			
...	All causes .....	4,102	587.3
1	Congenital anomalies (740-759) .....	1,110	158.9
2	Disorders relating to short gestation and unspecified low birthweight (765) .....	498	71.3
3	Sudden infant death syndrome (798.0) .....	346	49.5
4	Respiratory distress syndrome (769) .....	194	27.8
5	Newborn affected by maternal complications of pregnancy (761) .....	131	18.8
6	Accidents and adverse effects (E800-E949) .....	110	15.7
7	Newborn affected by complications of placenta, cord, and membranes (762) .....	109	15.6
8	Pneumonia and influenza (480-487) .....	104	14.9
9	Infections specific to the perinatal period (771) .....	98	14.0
10	Intrauterine hypoxia and birth asphyxia (768) .....	54	7.7
...	All other causes (Residual) .....	1,348	193.0
Total non-Hispanic origin <sup>3</sup>			
...	All causes .....	23,549	762.0
1	Congenital anomalies (740-759) .....	5,096	164.9
2	Disorders relating to short gestation and unspecified low birthweight (765) .....	3,276	106.0
3	Sudden infant death syndrome (798.0) .....	2,636	85.3
4	Respiratory distress syndrome (769) .....	1,117	36.1
5	Newborn affected by maternal complications of pregnancy (761) .....	1,088	35.2
6	Newborn affected by complications of placenta, cord, and membranes (762) .....	809	26.2
7	Accidents and adverse effects (E800-E949) .....	674	21.8
8	Infections specific to the perinatal period (771) .....	641	20.7
9	Pneumonia and influenza (480-487) .....	382	12.4
10	Intrauterine hypoxia and birth asphyxia (768) .....	367	11.9
...	All other causes (Residual) .....	7,463	241.5
White non-Hispanic origin			
...	All causes .....	14,239	612.4
1	Congenital anomalies (740-759) .....	3,729	160.4
2	Disorders relating to short gestation and unspecified low birthweight (765) .....	1,581	68.0
3	Sudden infant death syndrome (798.0) .....	1,577	67.8
4	Newborn affected by maternal complications of pregnancy (761) .....	660	28.4
5	Respiratory distress syndrome (769) .....	633	27.2
6	Newborn affected by complications of placenta, cord, and membranes (762) .....	500	21.5
7	Accidents and adverse effects (E800-E949) .....	427	18.4
8	Infections specific to the perinatal period (771) .....	370	15.9
9	Intrauterine hypoxia and birth asphyxia (768) .....	255	11.0
10	Pneumonia and influenza (480-487) .....	202	8.7
...	All other causes (Residual) .....	4,305	185.1
Black non-Hispanic origin			
...	All causes .....	8,404	1,465.0
1	Disorders relating to short gestation and unspecified low birthweight (765) .....	1,597	278.4
2	Congenital anomalies (740-759) .....	1,145	199.6
3	Sudden infant death syndrome (798.0) .....	964	168.0
4	Respiratory distress syndrome (769) .....	445	77.6
5	Newborn affected by maternal complications of pregnancy (761) .....	406	70.8
6	Newborn affected by complications of placenta, cord, and membranes (762) .....	276	48.1
7	Infections specific to the perinatal period (771) .....	251	43.8
8	Accidents and adverse effects (E800-E949) .....	215	37.5
9	Pneumonia and influenza (480-487) .....	157	27.4
10	Homicide (E960-E969) .....	117	20.4
...	All other causes (Residual) .....	2,831	493.5

... Category not applicable.

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

<sup>2</sup> Hispanic origin data exclude Oklahoma; see Technical notes.

<sup>3</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, 1996**

[Rates per 100,000 live births 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)	Number			Rate		
	All races <sup>1</sup>	White	Black	All races <sup>1</sup>	White	Black
All causes .....	28,487	18,761	8,730	732.0	606.6	1,467.8
Certain intestinal infections (008-009) .....	207	102	100	5.3	3.3	16.8
Whooping cough (033) .....	4	4	-	*	*	*
Meningococcal infection (036) .....	39	31	5	1.0	1.0	*
Septicemia (038) .....	199	116	74	5.1	3.8	12.4
Viral diseases (045-079) .....	91	59	26	2.3	1.9	4.4
Congenital syphilis (090) .....	6	3	3	*	*	*
Remainder of infectious and parasitic diseases (001,007,010-032,034-035,037,039-041,*042-*044,080-088,091-139) .....	162	85	72	4.2	2.7	12.1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) .....	87	76	8	2.2	2.5	*
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) .....	60	51	6	1.5	1.6	*
Diseases of thymus gland (254) .....	2	-	2	*	*	*
Cystic fibrosis (277.0) .....	8	7	1	*	*	*
Diseases of blood and blood-forming organs (280-289) .....	79	51	19	2.0	1.6	*
Meningitis (320-322) .....	103	57	44	2.6	1.8	7.4
Other diseases of nervous system and sense organs (323-389) .....	371	282	75	9.5	9.1	12.6
Acute upper respiratory infections (460-465) .....	18	14	4	*	*	*
Bronchitis and bronchiolitis (466,490-491) .....	92	54	32	2.4	1.7	5.4
Pneumonia and influenza (480-487) .....	496	310	159	12.7	10.0	26.7
Pneumonia (480-486) .....	481	300	156	12.4	9.7	26.2
Influenza (487) .....	15	10	3	*	*	*
Remainder of diseases of respiratory system (470-478,492-519) .....	263	162	92	6.8	5.2	15.5
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) .....	69	44	21	1.8	1.4	3.5
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558) .....	82	52	28	2.1	1.7	4.7
Remainder of diseases of digestive system (520-534,536-543,562-579) .....	202	142	52	5.2	4.6	8.7
Congenital anomalies (740-759) .....	6,381	4,951	1,189	164.0	160.1	199.9
Anencephalus and similar anomalies (740) .....	352	299	43	9.0	9.7	7.2
Spina bifida (741) .....	63	54	8	1.6	1.7	*
Congenital hydrocephalus (742.3) .....	145	100	31	3.7	3.2	5.2
Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743) .....	300	227	56	7.7	7.3	9.4
Congenital anomalies of heart (745-746) .....	1,921	1,505	348	49.4	48.7	58.5
Other congenital anomalies of circulatory system (747) .....	350	264	68	9.0	8.5	11.4
Congenital anomalies of respiratory system (748) .....	951	724	200	24.4	23.4	33.6
Congenital anomalies of digestive system (749-751) .....	83	66	14	2.1	2.1	*
Congenital anomalies of genitourinary system (752-753) .....	341	260	71	8.8	8.4	11.9
Congenital anomalies of musculoskeletal system (754-756) .....	464	368	87	11.9	11.9	14.6
Down's syndrome (758.0) .....	106	77	26	2.7	2.5	4.4
Other chromosomal anomalies (758.1-758.9) .....	749	578	136	19.2	18.7	22.9
All other and unspecified congenital anomalies (744,757,759) .....	556	429	101	14.3	13.9	17.0
Certain conditions originating in the perinatal period (760-779) .....	12,955	7,890	4,679	332.9	255.1	786.7
Newborn affected by maternal conditions which may be unrelated to present pregnancy (760) .....	161	87	65	4.1	2.8	10.9
Newborn affected by maternal complications of pregnancy (761) .....	1,249	805	422	32.1	26.0	71.0
Newborn affected by complications of placenta, cord, and membranes (762) .....	949	631	285	24.4	20.4	47.9
Newborn affected by other complications of labor and delivery (763) .....	82	55	25	2.1	1.8	4.2
Slow fetal growth and fetal malnutrition (764) .....	45	28	15	1.2	0.9	*
Disorders relating to short gestation and unspecified low birthweight (765) .....	3,902	2,120	1,671	100.3	68.5	280.9
Disorders relating to long gestation and high birthweight (766) .....	-	-	-	*	*	*
Birth trauma (767) .....	166	122	41	4.3	3.9	6.9
Intrauterine hypoxia and birth asphyxia (768) .....	428	313	98	11.0	10.1	16.5
Fetal distress in liveborn infant (768.2-768.4) .....	111	85	20	2.9	2.7	3.4
Birth asphyxia (768.5-768.9) .....	317	228	78	8.1	7.4	13.1
Respiratory distress syndrome (769) .....	1,362	845	473	35.0	27.3	79.5
Other respiratory conditions of newborn (770) .....	1,817	1,129	639	46.7	36.5	107.4
Infections specific to the perinatal period (771) .....	756	475	256	19.4	15.4	43.0
Neonatal hemorrhage (772) .....	301	198	95	7.7	6.4	16.0
Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774) .....	23	18	5	0.6	*	*
Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1) .....	10	4	6	*	*	*
Hemorrhagic disease of newborn (776.0) .....	2	1	1	*	*	*
All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779) .....	1,702	1,059	582	43.7	34.2	97.9
Symptoms, signs, and ill-defined conditions (780-799) .....	3,883	2,466	1,267	99.8	79.7	213.0
Sudden infant death syndrome (798.0) .....	3,050	1,955	980	78.4	63.2	164.8
Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799) .....	833	511	287	21.4	16.5	48.3
Accidents and adverse effects (E800-E949) .....	804	545	223	20.7	17.6	37.5
Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912) .....	73	42	28	1.9	1.4	4.7
Accidental mechanical suffocation (E913) .....	285	186	88	7.3	6.0	14.8
Other accidental causes and adverse effects (E800-E910,E914-E949) .....	446	317	107	11.5	10.2	18.0
Homicide (E960-E969) .....	332	201	121	8.5	6.5	20.3
Child battering and other maltreatment (E967) .....	112	73	33	2.9	2.4	5.5
Other homicide (E960-E966,E968-E969) .....	220	128	88	5.7	4.1	14.8
All other causes (Residual) .....	1,492	1,006	428	38.3	32.5	72.0
Human immunodeficiency virus infection <sup>2</sup> (*042-*044) .....	40	14	26	1.0	*	4.4

- 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 31. Number of infant and neonatal deaths and mortality rates, by race for the United States, each division, each State, Puerto Rico, Virgin Islands, and Guam, and by sex for the United States, 1996**

[Rates per 1,000 live births in specified group. Live births based on race of mother; see Technical notes]

Race, 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 .....	28,487	7.3	18,761	6.1	8,730	14.7	18,572	4.8	12,293	4.0	5,688	9.6
Male .....	15,965	8.0	10,561	6.7	4,837	16.0	10,313	5.2	6,826	4.3	3,150	10.4
Female .....	12,522	6.6	8,200	5.4	3,893	13.3	8,259	4.3	5,467	3.6	2,538	8.7
New England .....	935	5.4	763	5.0	151	11.0	674	3.9	566	3.7	96	7.0
Maine .....	61	4.4	59	4.4	2	*	47	3.4	46	3.4	1	*
New Hampshire .....	72	5.0	71	5.0	-	*	51	3.5	51	3.6	-	*
Vermont .....	48	7.1	46	6.9	-	*	31	4.6	30	4.5	-	*
Massachusetts .....	402	5.0	329	4.8	65	8.8	291	3.6	251	3.6	35	4.7
Rhode Island .....	66	5.2	57	5.1	6	*	50	4.0	44	3.9	4	*
Connecticut .....	286	6.4	201	5.3	78	14.9	204	4.6	144	3.8	56	10.7
Middle Atlantic .....	3,783	7.2	2,348	5.8	1,341	13.9	2,613	5.0	1,676	4.2	877	9.1
New York .....	1,837	7.0	1,093	5.7	687	12.4	1,260	4.8	776	4.0	447	8.1
New Jersey .....	785	6.9	456	5.3	306	14.9	547	4.8	337	3.9	197	9.6
Pennsylvania .....	1,161	7.8	799	6.4	348	16.9	806	5.4	563	4.5	233	11.3
East North Central .....	5,047	8.2	3,239	6.4	1,726	17.7	3,293	5.3	2,152	4.3	1,089	11.1
Ohio .....	1,168	7.7	801	6.3	358	16.2	769	5.1	525	4.1	238	10.8
Indiana .....	726	8.7	555	7.5	162	18.4	466	5.6	368	5.0	94	10.6
Illinois .....	1,582	8.6	899	6.4	659	18.2	1,036	5.7	615	4.4	403	11.1
Michigan .....	1,078	8.1	628	5.9	426	17.6	709	5.3	413	3.9	281	11.6
Wisconsin .....	493	7.3	356	6.1	121	18.8	313	4.7	231	4.0	73	11.4
West North Central .....	1,809	7.1	1,396	6.2	326	16.8	1,172	4.6	914	4.1	211	10.9
Minnesota .....	376	5.9	291	5.1	45	14.5	231	3.6	182	3.2	30	9.6
Iowa .....	260	7.0	230	6.5	24	22.9	182	4.9	164	4.7	12	*
Missouri .....	560	7.6	383	6.2	175	15.7	358	4.8	243	4.0	114	10.3
North Dakota .....	44	5.3	37	5.0	-	*	31	3.7	27	3.6	-	*
South Dakota .....	60	5.7	39	4.5	1	*	31	3.0	20	2.3	-	*
Nebraska .....	203	8.7	180	8.4	17	*	136	5.8	123	5.8	11	*
Kansas .....	306	8.3	236	7.2	64	23.1	203	5.5	155	4.7	44	15.9
South Atlantic .....	5,522	8.3	2,861	6.2	2,575	14.4	3,675	5.5	1,836	4.0	1,787	10.0
Delaware .....	77	7.6	45	6.0	30	12.7	52	5.1	29	3.8	22	9.3
Maryland .....	606	8.5	260	5.7	332	14.5	418	5.8	162	3.5	246	10.7
District of Columbia .....	125	14.9	15	*	109	17.6	84	10.0	9	*	74	12.0
Virginia .....	712	7.7	409	6.1	289	13.8	489	5.3	270	4.0	209	10.0
West Virginia .....	154	7.4	137	6.9	16	*	101	4.9	89	4.5	11	*
North Carolina .....	957	9.2	521	7.1	416	15.3	637	6.1	348	4.7	280	10.3
South Carolina .....	430	8.4	182	5.6	247	13.7	292	5.7	114	3.5	178	9.9
Georgia .....	1,050	9.2	460	6.3	572	14.9	705	6.2	292	4.0	405	10.5
Florida .....	1,411	7.5	832	5.8	564	13.3	897	4.7	523	3.7	362	8.6
East South Central .....	2,109	9.3	1,206	7.3	893	15.0	1,351	5.9	759	4.6	587	9.9
Kentucky .....	395	7.5	326	6.9	66	13.6	256	4.9	212	4.5	42	8.6
Tennessee .....	627	8.5	379	6.7	247	15.4	386	5.2	237	4.2	149	9.3
Alabama .....	635	10.5	330	8.2	303	15.5	415	6.9	205	5.1	208	10.6
Mississippi .....	452	11.0	171	8.0	277	14.6	294	7.2	105	4.9	188	9.9
West South Central .....	3,409	7.1	2,348	6.1	982	12.6	2,060	4.3	1,414	3.7	604	7.8
Arkansas .....	337	9.3	225	8.1	111	14.0	204	5.6	139	5.0	64	8.1
Louisiana .....	589	9.0	242	6.5	339	12.8	367	5.6	148	4.0	213	8.0
Oklahoma .....	394	8.5	282	7.7	79	17.6	230	5.0	168	4.6	50	11.2
Texas .....	2,089	6.3	1,599	5.7	453	11.7	1,259	3.8	959	3.4	277	7.1
Mountain .....	1,782	6.8	1,529	6.5	124	15.8	1,145	4.4	993	4.2	80	10.2
Montana .....	76	7.0	65	6.8	-	*	48	4.4	40	4.2	-	*
Idaho .....	137	7.4	133	7.4	-	*	82	4.4	79	4.4	-	*
Wyoming .....	40	6.4	37	6.2	-	*	25	4.0	24	4.0	-	*
Colorado .....	369	6.6	326	6.4	38	14.7	245	4.4	216	4.2	25	9.7
New Mexico .....	170	6.2	141	6.1	6	*	107	3.9	93	4.0	5	*
Arizona .....	575	7.6	472	7.1	48	20.5	383	5.1	323	4.9	30	12.8
Utah .....	254	6.0	235	5.9	5	*	167	4.0	157	3.9	4	*
Nevada .....	161	6.2	120	5.4	27	13.7	88	3.4	61	2.7	16	*
Pacific .....	4,091	5.9	3,071	5.5	612	14.1	2,589	3.8	1,983	3.5	357	8.2
Washington .....	466	6.0	381	5.6	49	15.7	291	3.7	245	3.6	28	9.0
Oregon .....	243	5.6	215	5.3	14	*	144	3.3	126	3.1	8	*
California .....	3,203	5.9	2,415	5.5	535	13.9	2,053	3.8	1,576	3.6	314	8.2
Alaska .....	72	7.2	39	5.8	7	*	35	3.5	22	3.2	3	*
Hawaii .....	107	5.8	21	4.4	7	*	66	3.6	14	*	4	*
Puerto Rico .....	659	10.4	649	11.2	10	*	497	7.9	491	8.5	6	*
Virgin Islands .....	25	13.1	4	*	21	14.0	19	*	4	*	15	*
Guam .....	36	8.5	2	*	1	*	23	5.4	1	*	1	*

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

- Quantity zero.

<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, 1996**

[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) ....	294	159	135	121	7.6	5.1	16.9	20.3
Pregnancy with abortive outcome (630-638) .....	39	24	15	14	1.0	0.8	*	*
Ectopic pregnancy (633) .....	24	12	12	11	0.6	*	*	*
Spontaneous abortion (634) .....	1	1	-	-	*	*	*	*
Legally induced abortion (635) .....	5	4	1	1	*	*	*	*
Illegally induced abortion (636) .....	-	-	-	-	*	*	*	*
Other pregnancy with abortive outcome (630-632,637-638) .....	9	7	2	2	*	*	*	*
Direct obstetric causes (640-646,651-676) .....	255	135	120	107	6.6	4.4	15.0	18.0
Hemorrhage of pregnancy and childbirth (640-641,666) .....	38	22	16	14	1.0	0.7	*	*
Toxemia of pregnancy (642.4-642.9,643) .....	40	25	15	13	1.0	0.8	*	*
Obstructed labor (660) .....	-	-	-	-	*	*	*	*
Complications of the puerperium (670-676) .....	103	50	53	48	2.6	1.6	6.6	8.1
Major puerperal infections (670) .....	6	6	-	-	*	*	*	*
Venous complications in pregnancy and the puerperium (671) .....	10	6	4	4	*	*	*	*
Obstetrical pulmonary embolism (673) .....	43	20	23	19	1.1	0.6	2.9	*
Other and unspecified complications of the puerperium, not elsewhere classified (674) .....	44	18	26	25	1.1	*	3.3	4.2
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) .....	56	29	27	23	1.4	0.9	3.4	3.9
Indirect obstetric causes (647-648) .....	18	9	9	9	*	*	*	*
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 was revised in 1989; for additional details see the 1989 revision of the U.S. standard certificates and reports (16) and Technical Appendix of *Vital Statistics of the United States, 1989*, Volume II, Mortality, part A (17).

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 1996 all the States and the District of Columbia participated in this program and submitted part or all of the mortality data for 1996 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, North Dakota, and Wyoming 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 1996 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 and Virgin Islands exclude deaths of nonresidents of Puerto Rico and Virgin Islands, 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 (18–20) 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.

*Other races and race not stated*—Beginning in 1992 all records coded as “Other races” (0.02 percent of the total deaths in 1996) 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 1989–96, 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 (21,22). 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 (17,22).

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 linked files of infant deaths and live births (15). The linked data set computes infant mortality rates using the race of the mother from the birth certificate in 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 (17).

### 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* (23). Causes of death for 1979–96 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; 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 (24–26).

Besides specifying the classification, WHO regulations outline the form of medical certification and 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* (27–29).

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) (30), the 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) (31,32) 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. Then, beginning with data year 1993, SuperMICAR, an enhancement of the MICAR system, was introduced. SuperMICAR allows for total literal entry of the multiple cause-of-death text as reported by the certifier. This information is then automatically coded 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 1996 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. 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. Generally, more medical information is reported on death certificates than is directly reflected in the underlying cause of death.

### 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 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 disease 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 (33).

### 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. Injury by firearm causes exclude explosives and other causes indirectly related to firearms.

### 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 the Ninth Revision; 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 1996, 1.13 percent of all reported deaths in the United States were assigned to Symptoms, signs, and ill-defined conditions compared with 1.18 percent in 1995. The percent of deaths from this cause for all ages combined generally has remained stable since 1990.

## 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 27, 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).

## Hispanic origin

For 1996 mortality data for the Hispanic-origin population are based on deaths to residents of 49 States and the District of Columbia. Oklahoma was excluded because its death certificates did not include an item to identify Hispanic or ethnic origin.

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 same 49 States and the District of Columbia. 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 1.6 and the percent of live births of unknown origin was 1.5 for the 49 States and the District of Columbia for 1996.

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).

In 1990 the 49 States and the District of Columbia accounted for 99.6 percent of the Hispanic population in the United States, including

about 99.5 percent of the Mexican population, 99.8 percent of the Puerto Rican population, 99.9 percent of the Cuban population, and 99.7 percent of the Other Hispanic population (34).

*Quality of Hispanic origin data*—A study (19) examined the reliability of Hispanic origin reported on 43,520 death certificates with that reported on a total of 12 CPS's conducted by the U.S. Bureau of the Census for the years 1979-85. In this study, agreement 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 under-reporting 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.

## Marital status

Age-specific and age-adjusted death rates by marital status are shown in [table 21](#). 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 (20). 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 because of 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 1996 are based on deaths to residents of the 45 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, Oklahoma, Rhode Island, and South Dakota were excluded because the item was not on their certificates.

For the first time, age-specific and age-adjusted death rates by educational attainment are shown in this report ([table 22](#)). 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 (35).

Rates by educational attainment are affected by differences in measuring 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 (36).

## 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 by injury at work are shown for the first time in this report ([table 23](#)). Deaths and age-specific death rates by

injury at work are shown for ages 15 years and over. Age-adjusted death rates by injury at work were computed using age-specific death rates and the standard population for ages 15 years and over.

### Life tables

U.S. abridged life tables are constructed by reference to a standard life table (37). 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 specific mortality rates of a particular time, usually a given year.

### 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 (4,5).

### 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 1996, shown in [table I](#), are based on population estimates as of July 1, 1996 (38). 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 (39). The population estimates for Mexicans, Puerto Ricans, Cubans, and Other Hispanics, shown in [table II](#), are based on the CPS adjusted to resident population control totals (40) for 49 States (excluding Oklahoma) and the District of Columbia and, as such, are subject to sampling variation. Population estimates by marital status, shown in [table III](#), are also based on the CPS (40) adjusted to resident population control totals for all 50 States and the District of Columbia and are also subject to sampling variation (see "Random variation").

Population estimates by educational attainment, shown in [table IV](#), are also based on the CPS (40) adjusted to resident population control totals for 45 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, and Guam, shown in [table V](#), are based on demographic analysis and, therefore, are not subject to sampling variation (41-44).

### 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 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.

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 (45). The age-adjusted rates presented in this report excluding those by marital status 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 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 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 year-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 education 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 (35). The standard population and corresponding weights used for computing age-adjusted rates and relative standard errors by education are shown in [table VIII](#).

Age-adjusted rates for Puerto Rico, Virgin Islands, and Guam were computed by applying the age-specific death rates to the U.S. standard



**Table III. Estimated population for ages 15 years and over by marital status, 10-year age groups, race, and sex: United States, 1996**

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>	207,575,541	36,221,883	40,368,212	43,393,314	32,369,780	21,361,460	18,669,335	15,191,557
Never married	56,453,074	31,410,706	13,887,191	6,308,494	2,389,971	1,055,010	770,009	631,693
Ever married	151,122,467	4,811,177	26,481,021	37,084,820	29,979,809	20,306,450	17,899,326	14,559,864
Married	117,559,054	4,402,445	23,422,987	30,990,178	24,223,315	15,965,435	12,188,121	6,366,573
Widowed	14,789,957	22,551	120,585	341,645	821,346	1,750,781	4,216,875	7,516,174
Divorced	18,773,456	386,181	2,937,449	5,752,997	4,935,148	2,590,234	1,494,330	677,117
All races <sup>1</sup> , male	100,261,181	18,617,874	20,191,260	21,568,623	15,836,543	10,165,977	8,324,667	5,556,237
Never married	31,165,925	16,830,557	8,147,843	3,785,790	1,308,381	533,178	363,373	196,803
Ever married	69,095,256	1,787,317	12,043,417	17,782,833	14,528,162	9,632,799	7,961,294	5,359,434
Married	58,401,525	1,647,194	10,705,281	15,163,479	12,225,432	8,292,481	6,567,110	3,800,548
Widowed	2,689,440	2,665	39,344	63,896	136,302	311,453	801,747	1,334,033
Divorced	8,004,291	137,458	1,298,792	2,555,458	2,166,428	1,028,865	592,437	224,853
All races <sup>1</sup> , female	107,314,360	17,604,009	20,176,952	21,824,691	16,533,237	11,195,483	10,344,668	9,635,320
Never married	25,287,149	14,580,149	5,739,348	2,522,704	1,081,590	521,832	406,636	434,890
Ever married	82,027,211	3,023,860	14,437,604	19,301,987	15,451,647	10,673,651	9,938,032	9,200,430
Married	59,157,529	2,755,251	12,717,706	15,826,699	11,997,883	7,672,954	5,621,011	2,566,025
Widowed	12,100,517	19,886	81,241	277,749	685,044	1,439,328	3,415,128	6,182,141
Divorced	10,769,165	248,723	1,638,657	3,197,539	2,768,720	1,561,369	901,893	452,264
White	174,021,504	28,847,537	32,816,857	36,080,563	27,595,177	18,415,015	16,511,802	13,754,553
Never married	42,792,141	24,617,669	10,025,670	4,438,769	1,748,752	777,548	629,766	553,967
Ever married	131,229,363	4,229,868	22,791,187	31,641,794	25,846,425	17,637,467	15,882,036	13,200,586
Married	102,944,067	3,877,069	20,261,031	26,623,422	21,124,943	14,098,172	11,091,172	5,868,258
Widowed	12,615,519	11,622	82,551	271,858	612,456	1,350,025	3,537,040	6,749,967
Divorced	15,669,777	341,177	2,447,605	4,746,514	4,109,026	2,189,270	1,253,824	582,361
White male	84,590,951	14,910,362	16,586,514	18,127,623	13,648,762	8,863,946	7,418,831	5,034,913
Never married	24,161,304	13,342,808	6,140,608	2,794,053	1,001,488	409,182	303,855	169,310
Ever married	60,429,647	1,567,554	10,445,906	15,333,570	12,647,274	8,454,764	7,114,976	4,865,603
Married	51,401,281	1,451,888	9,330,760	13,123,915	10,704,143	7,331,123	5,977,417	3,482,035
Widowed	2,278,674	1,571	28,024	53,432	109,143	251,396	643,715	1,191,393
Divorced	6,749,692	114,095	1,087,122	2,156,223	1,833,988	872,245	493,844	192,175
White female	89,430,553	13,937,175	16,230,343	17,952,940	13,946,415	9,551,069	9,092,971	8,719,640
Never married	18,630,837	11,274,861	3,885,062	1,644,716	747,264	368,366	325,911	384,657
Ever married	70,799,716	2,662,314	12,345,281	16,308,224	13,199,151	9,182,703	8,767,060	8,334,983
Married	51,542,786	2,425,181	10,930,271	13,499,507	10,420,800	6,767,049	5,113,755	2,386,223
Widowed	10,336,845	10,051	54,527	18,426	503,313	1,098,629	2,893,325	5,558,574
Divorced	8,920,085	227,082	1,360,483	2,590,291	2,275,038	1,317,025	759,980	390,186
Black	24,557,098	5,496,665	5,411,585	5,315,067	3,409,652	2,158,221	1,633,529	1,132,379
Never married	10,628,174	5,085,972	2,949,700	1,603,680	562,243	237,870	119,052	69,657
Ever married	13,928,924	410,693	2,461,885	3,711,387	2,847,409	1,920,351	1,514,477	1,062,722
Married	9,624,419	368,093	2,049,471	2,819,192	1,993,531	1,255,650	783,902	354,580
Widowed	1,714,729	5,000	23,265	61,724	153,150	323,381	531,408	616,801
Divorced	2,589,776	37,600	389,149	830,471	700,728	341,320	199,167	91,341
Black male	11,364,197	2,755,968	2,564,519	2,484,882	1,545,251	936,823	682,407	394,347
Never married	5,314,607	2,577,765	1,466,067	831,252	264,745	100,169	50,499	24,110
Ever married	6,049,590	178,203	1,098,452	1,653,630	1,280,506	836,654	631,908	370,237
Married	4,686,215	156,067	926,325	1,328,653	982,369	644,491	421,310	227,000
Widowed	330,431	848	6,321	9,383	18,053	53,417	131,850	110,559
Divorced	1,032,944	21,288	165,806	315,594	280,084	138,746	78,748	32,678
Black female	13,192,901	2,740,697	2,847,066	2,830,185	1,864,401	1,221,398	951,122	738,032
Never married	5,313,567	2,508,207	1,483,633	772,428	297,498	137,701	68,553	45,547
Ever married	7,879,334	232,490	1,363,433	2,057,757	1,566,903	1,083,697	882,569	692,485
Married	4,938,204	212,026	1,123,146	1,490,539	1,011,162	611,159	362,592	127,580
Widowed	1,384,298	4,152	16,944	52,341	135,097	269,964	399,558	506,242
Divorced	1,556,832	16,312	223,343	514,877	420,644	202,574	120,419	58,663

<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.

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 are shown in [table IX](#).

By using the same standard population, the 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 IV. Estimated population for ages 25–64 years by educational attainment and sex: Total of 45 reporting States and the District of Columbia, 1996**

Years of school completed and sex	25–64 years	25–34 years	35–44 years	45–54 years	55–64 years
Both sexes . . . . .	129,096,237	38,003,327	40,688,383	30,322,071	20,082,456
Under 12 years . . . . .	18,220,381	4,958,911	4,864,570	3,975,882	4,421,018
12 years . . . . .	43,163,272	12,018,250	13,821,835	9,890,583	7,432,604
13 years or more . . . . .	67,712,584	21,026,166	22,001,978	16,455,606	8,228,834
Male . . . . .	63,684,636	19,061,159	20,223,766	14,833,330	9,566,381
Under 12 years . . . . .	9,337,388	2,698,916	2,609,924	1,929,220	2,099,328
12 years . . . . .	20,639,210	6,212,981	6,901,179	4,362,662	3,162,388
13 years or more . . . . .	33,708,038	10,149,262	10,712,663	8,541,448	4,304,665
Female . . . . .	65,411,601	18,942,168	20,464,617	15,488,741	10,516,075
Under 12 years . . . . .	8,882,993	2,259,995	2,254,646	2,046,662	2,321,690
12 years . . . . .	22,524,062	5,805,269	6,920,656	5,527,921	4,270,216
13 years or more . . . . .	34,004,546	10,876,904	11,289,315	7,914,158	3,924,169

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

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, 21, and 22 (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, 21, and 22 (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 home page for NCHS, Mortality Data from the National Vital Statistics System: <http://www.cdc.gov/nchswww/about/major/dvs/mortdata.htm> and refer to "Technical Appendix from *Vital Statistics of United States: Mortality, 1994.*"

For tables showing a crude death rate ( $R$ ) or an age-specific death rate (based on 100 deaths or more) for the  $l$ th age group ( $R_l$ ), except the rates in tables 3, 21, and 22, 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 NCHS web site previously mentioned.

For testing the difference between two rates ( $R_1$  and  $R_2$ , each based on 100 deaths or more), 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  $|z| \geq 1.96$ , 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 previously mentioned.

For tables showing an age-adjusted death rate ( $R'$ ), except the rates in tables 3, 21, and 22, the RSE's in formulas 3 and 4 would be substituted by this formula:

$$5. \quad RSE(R') = 100 \frac{\sqrt{\sum \left\{ w_l^2 R_l^2 \left( \frac{1}{D_l} \right) \right\}}}{R'}$$

where

- $R_l$  = age-specific rate for the  $l$ th age group
- $w_l$  =  $l$ th age-specific U.S. standard population such that  $\sum(w_l) = 1.000000$  (see table IV and age-adjusted death rate under "Definition of terms")
- $D_l$  = number of deaths for the  $l$ 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:





**Table IX. U. S. standard population: Numbers and proportions (weights)**

Age	Number	Weights ( $w_i$ )
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

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

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, 21, and 22**—Rates for Mexicans, Puerto Ricans, Cubans, and Other Hispanics in **table 3**, rates by marital status in **table 21**, and rates by educational attainment in **table 22** are based on population estimates derived from the CPS 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, 21, and 22** 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,  $R_i$ ,

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

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

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

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 21**; and see **table IV** for population estimates used for computing rates in **table 22**)  
 $D_i$  = number of deaths for the  $i^{\text{th}}$  age group  
 $P_i$  = population estimate used for computing for the  $i^{\text{th}}$  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 21**; and see **table IV** for population estimates used for computing rates in **table 22**)

$w_i$  = 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 21**; and see **table VIII** for weights used for computing age-adjusted rates in **table 22**)

$w_i^2$  = 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,

$$a = -0.000263 \text{ and } b = 7,486$$

In **table 21**, 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,

$$a = -0.000221 \text{ and } b = 7,486$$

In **table 22**, for all education groups combined,

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

and for each education group,

$$a = -0.000017 \text{ and } b = 2,757$$

The  $a$  and  $b$  factors are CPS standard error parameters (46).

To compute 95-percent confidence intervals and z-tests for the death rates (based on 100 deaths or more) shown in **tables 3, 21, and 22**, 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 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 *Monthly Vital Statistics Reports* and supplements through NCHS. Additional unpublished tabulations are available from NCHS or through the NCHS home page.

### 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 (45).

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