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Deaths: Final Data for 2001

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Abstract

Objectives—This report presents final 2001 data on U.S. deaths and death rates according to demographic and medical characteristics such as age, sex, Hispanic origin, race, marital status, educational attainment, injury at work, State of residence, and cause of death. Trends and patterns in general mortality, life expectancy, and infant and maternal mortality are also described. A previous report presented preliminary mortality data for 2001.

Methods—In 2001 a total of 2,416,425 deaths were reported in the United States. This report presents descriptive tabulations of information reported on the death certificates. Funeral directors, attending physicians, medical examiners, and coroners complete death certificates. Original records are filed in the State registration offices. Statistical information is compiled into a national database through the Vital Statistics Cooperative Program of the National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention. Causes of death are processed in accordance with the *International Classification of Diseases Tenth Revision* (ICD–10).

Results—The age-adjusted death rate for the United States in 2001 was 854.5 deaths per 100,000 standard population, representing a decrease of 1.7 percent from the 2000 rate and a record low historical figure. Life expectancy at birth rose by 0.2 years to a record high of 77.2 years. Considering all deaths, age-specific death rates rose only for those 25–44 years, and declined for a number of age groups including those under 1 year, 5–14 years, 55–64 years, 65–74 years, 75–84 years, and 85 years and over. The 15 leading causes of death in 2001 remained the same as in 2000. Heart disease and cancer continued to be the leading and second leading causes of death, together accounting for over half of all deaths. Homicide became the 13th leading cause in 2001, rising from the 14th leading cause in 2000 as a result of the September 11, 2001, terrorist attacks. The infant mortality rate remained at a record low level, declining slightly but insignificantly from 6.9 in 2000 to 6.8 in 2001.

Conclusions—Generally, mortality patterns in 2001 were consistent with long-term trends. Life expectancy in 2001 increased again to a new record level. The age-adjusted death rate declined to a record low historical figure. Although statistically unchanged from 2000, the trend in infant mortality has shown a steady, although slowing, decline. The declining trend in the homicide death rate was reversed primarily as a result of the September 11, 2001, terrorist attacks.

Keywords: deaths • mortality • cause of death • life expectancy • vital statistics • ICD–10

Highlights

Mortality experience in 2001

- In 2001 a total of 2,416,425 deaths occurred in the United States.
- The age-adjusted death rate, which eliminates the effects of the aging of the population, was 854.5 deaths per 100,000 U.S. standard population.
- Life expectancy at birth was 77.2 years.

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NATIONAL VITAL STATISTICS SYSTEM

- The 15 leading causes of death in 2001 were as follows:
  - Diseases of heart (heart disease)
  - Malignant neoplasms (cancer)
  - Cerebrovascular diseases (stroke)
  - Chronic lower respiratory diseases
  - Accidents (unintentional injuries)
  - Diabetes mellitus (diabetes)
  - Influenza and pneumonia
  - Alzheimer's disease
  - Nephritis, nephrotic syndrome and nephrosis (kidney disease)
  - Septicemia
  - Intentional self-harm (suicide)
  - Chronic liver disease and cirrhosis
  - Assault (homicide)
  - Essential (primary) hypertension and hypertensive renal disease (hypertension)
  - Pneumonitis due to solids and liquids
- In 2001 the infant mortality rate was 6.8 infant deaths per 1,000 live births.
- The 10 leading causes of infant death were as follows:
  - Congenital malformations, deformations, and chromosomal abnormalities (congenital malformations)
  - Disorders relating to short gestation and low birth weight, not elsewhere classified (low birth weight)
  - Sudden infant death syndrome (SIDS)
  - Newborn affected by maternal complications of pregnancy (maternal complications)
  - Newborn affected by complications of placenta, cord, and membranes (cord and placental complications)
  - Respiratory distress of newborn
  - Accidents (unintentional injuries)
  - Bacterial sepsis of newborn
  - Diseases of the circulatory system (circulatory diseases)
  - Intrauterine hypoxia and birth asphyxia

Trends

- The age-adjusted death rate in 2001 for the United States reached a record low.
- Life expectancy was 77.2 years, a record high that surpassed the previous highest value, recorded in 2000. Record high life expectancy was attained by the total population, as well as by each of the black and white populations. Both males and females in each of the two major race groups attained record high levels.
- Age-adjusted death rates decreased from 2000 to 2001 for 5 of the 15 leading causes of death and increased for 7 of the 15 leading causes of death. Decreasing trends for heart disease, cancer, and stroke, the three leading causes, continued. Increasing trends for Alzheimer's disease and hypertension persisted.
- Differences in mortality between men and women continued to narrow. The age-adjusted death rate for men was 43 percent greater than that for women (down from 44 percent greater in 2000), and life expectancy for men was shorter than that for women by 5.4 years, unchanged from 2000 but still at the lowest level recorded.
- Differences in mortality between the black and white populations persisted even though there was a trend toward convergence. The age-adjusted death rate was 1.3 times greater, the infant mortality rate 2.5 times greater, and maternal mortality rate 3.4 times greater for the black population than that for the white population. Life expectancy for the white population exceeded that for the black population by 5.5 years.
- Infant mortality rate remained at a record low level in 2001.

Introduction

This report represents the release of final national mortality statistics for 2001 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, Hispanic origin, race, marital status, educational attainment, injury at work, State of residence, and cause of death. Information on these mortality patterns is important for understanding changes in the health and well-being of the U.S. population (1). Preliminary data for 2001 were presented in the report "Deaths: Preliminary Data for 2001" using a 98-percent (demographic file) sample of U.S. deaths weighted to independent control totals (2). The findings in this report, based on the final mortality file, are generally consistent with those based on preliminary data; the final mortality file incorporates some modifications to the preliminary file as described in the "Technical Notes." Separate companion reports present additional details on leading causes of death, injury-related deaths, and life expectancy in the United States (3–5).

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

Methods

Data in this report are based on information from all resident 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 (6). Tables showing data by State also provide information for Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands (Northern Marianas). Cause-of-death statistics presented in this report are classified in accordance with the *International Classification of Diseases Tenth Revision* (ICD–10) (7). (A discussion of the cause-of-death classification is provided in the "Technical Notes.")

Mortality data on specific demographic and medical characteristics except educational attainment cover all 50 States and the District of Columbia. Educational attainment data are provided for 47 States and the District of Columbia. Details on reporting areas for educational attainment are provided in the "Technical Notes."

Measures of mortality in this report include the number of deaths; crude, age-specific and age-adjusted death rates; infant, neonatal, postneonatal, and maternal mortality rates; life expectancy; and rate

ratios. Changes in death rates from 2000 to 2001 and differences in death rates across demographic groups in 2001 are tested for statistical significance. Unless otherwise specified, reported differences are statistically significant. 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."

The populations used to calculate death rates for 2000, 2001, and the intercensal period 1991–99 shown in this report were produced under a collaborative arrangement with the U.S. Census Bureau and are based on counts from the 2000 census. Reflecting the new guidelines issued in 1997 by the Office of Management and Budget (OMB), the 2000 census included an option for individuals to report more than one race as appropriate for themselves and household members (8). The 1997 OMB guidelines also provided for the reporting of Asian persons separately from Native Hawaiians or other Pacific Islanders. Under the prior OMB standards (issued in 1977), data for Asian or Pacific Islander persons were collected as a single group (9). Death certificates currently collect only one race for the decedent in the same categories as specified in the 1977 OMB guidelines (death certificate data do not report Asians separately from Native Hawaiians or other Pacific Islanders). Death certificate data by race (the numerators for death rates) are thus currently incompatible with the population data collected in the 2000 census (the denominators for the rates). To produce death rates for 2000, 2001, and revised intercensal rates for the 1991–99 period, it was necessary to "bridge" the reported population data for multiple-race persons back to single-race categories. In addition, the 2000 census counts were modified to be consistent with the 1977 OMB race categories, that is, to report the data for Asian persons and Native Hawaiians or other Pacific Islanders as a combined category, Asian or Pacific Islanders, and to reflect age as of the census reference data (10). The procedures used to produce the "bridged" populations are described in separate publications (11,12). It is anticipated that "bridged" population data will be used over the next few years for computing population-based rates. Beginning with deaths occurring in 2003, some States will use multiple-race reporting. As States gradually begin to collect data on race according to the 1997 OMB guidelines, it is expected that use of the bridged populations will be discontinued.

Readers should keep in mind that the population data used to compile death rates by race shown in this report are based on special estimation procedures. They are not true counts. This is the case even for the 2000 populations that are based on the 2000 census. The estimation procedures used to develop these populations contain some error. Smaller population groups are affected much more than larger populations (11). Over the next several years, additional information will be incorporated in the estimation procedures, possibly resulting in further revisions of the population estimates (see "Technical Notes").

Data in this report are based in part on unpublished work tables. These and other data are available on the NCHS Web site, at www.cdc.gov/nchs/about/major/dvs/mortdata.htm, and on the forthcoming CD-ROM titled, *Vital Statistics of the United States, Mortality, 2001*. Availability of mortality microdata is described in the "Technical Notes" of this report.

Results and Discussion

Deaths and death rates

In 2001 a total of 2,416,425 resident deaths were registered in the United States, 13,074 more than in 2000. The crude death rate for 2001, 848.5 deaths per 100,000 population, was 0.6 percent lower than the 2000 rate (854.0) (tables 1 and A).

The age-adjusted death rate in 2001 was 854.5 deaths per 100,000 U.S. standard population, a record low value that was 1.7 percent lower than the 2000 rate of 869.0 (tables 1 and A). 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, the age-adjusted death rates are better indicators than unadjusted (crude) death rates for examining changes in the risk of death over a period of time when the age distribution of the population is changing. Also, age-adjusted death rates are better indicators of relative risk when comparing mortality across geographic areas or between sex or race subgroups of the population that have different age compositions. Since 1980 the age-adjusted death rate has decreased every year except 1983, 1985, 1988, 1993, and 1999. These were years when influenza outbreaks contributed to increased mortality in the United States (13–15). Between 1980 and 2001 the age-adjusted death rate declined 17.8 percent (figure 1 and table 1).

Race—In 2001 age-adjusted death rates for the major race groups were as follows: the rate for the white population was 836.5 deaths per 100,000 U.S. standard population; black population, 1,101.2; American Indian population, 686.7; and Asian or Pacific Islander population, 492.1 (table 1). Rates for the American Indian and Asian or Pacific Islander populations should be interpreted with caution because of reporting problems on both the death certificate and in population censuses and surveys. The net effect of the reporting problems is for the American Indian rate to be approximately 21 percent understated and the Asian or Pacific Islander rate to be approximately 11 percent understated (16).

In 2001 the age-adjusted death rate for the black population was 1.3 times that for the white population (table C); that is, the average risk of death for the black population was about 33 percent higher than for the white population. This ratio was the same in 2000. Between 1960 and 1982, rates for the black and white populations declined by similar percentages (22.6 and 26.5 percent, respectively). For the period ranging from 1982 to 1988 rates diverged (17), increasing 5.2 percent for the black population and decreasing 1.7 percent for the white population. The disparity in age-adjusted death rates between the black and white populations reached its highest point in 1989. Since then, rates for the black and white populations have tended toward convergence, declining by 13.7 percent for the black population and by 9.1 percent for the white population.

Between 2000 and 2001 decreases in age-adjusted death rates were observed for both white males and females, and for both black males and females. In order of relative magnitude of decrease from 2000, the reductions were 2.3 percent for white males, 2.0 percent for black males, 1.6 percent for black females, and 1.2 percent for white females (tables A and 1).

Age-adjusted death rates have generally declined between 1980 and 2001 for white males and females. However, increases were observed for both white males and white females in 1983, 1985, 1988,

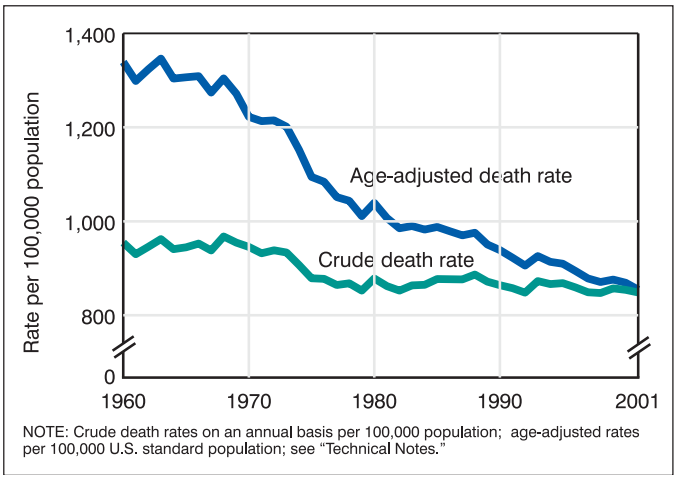
Table A. Percent change in death rates and age-adjusted death rates between 2000 and 2001 by age, race, and sex: United States

[Age-adjusted death rates per 100,000 U.S. standard population; see "Technical Notes"]

Age	All races[1]			White			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	Percent change								
All ages:									
Crude	–0.6	–0.8	–0.5	–0.6	–0.7	–0.5	–1.0	–1.2	–0.7
Age adjusted	–1.7	–2.3	–1.3	–1.6	–2.3	–1.2	–1.8	–2.0	–1.6
Under 1 year[2]	–7.2	–7.0	–7.5	–6.5	–6.0	–7.1	–8.5	–9.0	–8.1
1–4 years	2.8	3.1	2.8	5.1	4.9	6.3	–4.8	–2.4	–7.9
5–14 years	–3.9	–5.3	–2.7	–4.7	–7.1	–1.4	–3.7	–1.8	–6.5
15–24 years	1.0	1.8	–1.2	1.3	2.1	–0.7	–1.4	–0.4	–5.8
25–34 years	3.7	3.7	3.9	5.5	5.0	6.4	–1.5	–0.7	–3.2
35–44 years	2.4	1.7	3.5	3.2	2.6	4.2	–0.1	–1.8	2.2
45–54 years	0.8	0.4	1.4	1.3	0.9	1.9	–1.9	–2.1	–1.6
55–64 years	–2.8	–3.1	–2.4	–2.8	–3.1	–2.6	–1.9	–2.6	–1.0
65–74 years	–1.9	–2.3	–1.6	–1.8	–2.2	–1.5	–2.3	–2.0	–2.7
75–84 years	–1.5	–2.0	–1.1	–1.4	–1.9	–1.0	–1.7	–1.5	–1.8
85 years and over	–2.7	–4.3	–2.0	–2.7	–4.4	–2.0	–1.1	–2.1	–0.7

[1]Includes races other than white and black.

[2]Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births).



NOTE: Crude death rates on an annual basis per 100,000 population; age-adjusted rates per 100,000 U.S. standard population; see "Technical Notes."

Figure 1. Crude and age-adjusted death rates: United States, 1960–2001

and 1993. In addition, the age-adjusted death rate for white females increased in 1995 and 1999. For black males, age-adjusted death rates tended to decrease except for a period of increase between 1983 and 1988; rates for black females decreased between 1980 and 2001, although with considerable variability in direction of change from year to year (table 1).

Hispanic origin—Problems of race and Hispanic-origin classification affect Hispanic death rates and the comparison of rates for the Hispanic and the non-Hispanic population (see "Technical Notes"). Mortality for Hispanics is somewhat understated because of net underreporting of Hispanic origin on the death certificate. Hispanic origin on the death certificate is underreported by an estimated 7 percent (16) (see "Technical Notes"). Mitigating this somewhat is undercoverage of the Hispanic population in the census and in annual population estimates based on the census (16). The age-adjusted death rate for the Hispanic population in 2001 was 658.7, decreasing by 1.1 percent from the rate of 665.7 observed in 2000 (tables B and 2). Total non-Hispanic and non-Hispanic white populations experienced significant decreases, ranging from 1.6 to 1.5 percent, respectively. The non-Hispanic black population also experienced significant decline in the age-adjusted death rate from the previous year.

Among Hispanic males the age-adjusted death rate declined by 1.9 percent between 2000 and 2001. The difference in the rates between the 2 years for Hispanic females was not statistically significant. Non-Hispanic white males and non-Hispanic black males experienced declines in the age-adjusted death rate of 2.2 and 2.0 percent, respectively. Similarly, non-Hispanic white and non-Hispanic black females experienced declines of 1.1 and 1.7 percent, respectively (tables B and 2).

In 2001 the age-adjusted death rate (table 2) was 24 percent lower for the Hispanic population than for the non-Hispanic population. It was similarly 21.8 percent lower than the rate for the non-Hispanic white population and considerably lower (41 percent) than the rate for the non-Hispanic black population. The large differences in mortality between the Hispanic and non-Hispanic populations are partly a function of the Hispanic population's lower age-specific death rates at older ages (table 4). Part of the difference is attributable to underreporting of Hispanic origin on the death certificate. In addition, there are various hypotheses that have been proposed to explain Hispanic's favorable mortality outcomes. The most prevalent hypotheses include the healthy migrant effect, which argues that Hispanic immigrants are selected for their good health and robustness; and, the salmon bias effect, which posits that U.S. residents of Hispanic origin may return to their country of origin to die or when ill (18).

Within the Hispanic population, the age-adjusted death rate for males was 1.5 times that for females (table 2). The male-to-female ratio of age-specific rates differed substantially by age, with Hispanic males experiencing rates more than 2 times those for Hispanic females for three age groups in the range 15–44 years. The ratio ranged between 1.2 and 1.3 for defined age groups under 15 years and between 2.0 and 1.1 for ages 45 years and over (table 5).

Table B. Percent change in death rates and age-adjusted death rates between 2000 and 2001 by age, Hispanic origin, race for non-Hispanic population, and sex: United States

[Age-adjusted death rates per 100,000 U.S. standard population. 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 on censuses and surveys; see "Technical Notes"]

Age	All origins[1]			Hispanic			Non-Hispanic[2]			White non-Hispanic			Black non-Hispanic		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	Percent change														
All ages:															
Crude	–0.6	–0.8	–0.5	0.7	0.5	1.6	–0.4	–0.5	–0.3	–0.2	–0.3	–0.1	–0.9	–1.1	–0.7
Age adjusted	–1.7	–2.3	–1.3	–1.1	–1.9	–0.6	–1.6	–2.3	–1.2	–1.5	–2.2	–1.1	–1.8	–2.0	–1.7
Under 1 year[3]	–7.2	–7.0	–7.5	–4.0	–2.0	–6.3	–7.5	–7.6	–7.3	–6.9	–7.2	–6.5	–8.4	–8.6	–8.3
1–4 years	2.8	3.1	2.8	3.4	7.3	–1.1	2.7	2.2	3.8	5.6	4.3	7.8	–4.3	–1.8	–7.4
5–14 years	–3.9	–5.3	–2.7	–6.4	–7.3	–5.2	–3.8	–5.1	–2.0	–4.7	–7.0	0.0	–4.0	–1.7	–6.8
15–24 years	1.0	1.8	–1.2	3.8	3.5	6.3	0.6	1.4	–2.0	0.7	1.5	–1.6	–1.5	–0.5	–5.5
25–34 years	3.7	3.7	3.9	–0.1	–1.8	4.1	4.6	4.9	4.2	7.0	6.9	7.2	–1.6	–0.9	–3.2
35–44 years	2.4	1.7	3.5	–1.8	–1.2	–3.5	3.1	2.3	4.5	4.0	3.3	5.3	0.2	–1.4	2.5
45–54 years	0.8	0.4	1.4	1.3	1.1	–3.0	0.9	0.5	1.5	1.4	1.0	2.1	–1.9	–2.1	–1.6
55–64 years	–2.8	–3.1	–2.4	–3.0	–4.3	–1.0	–2.7	–3.0	–2.3	–2.8	–3.0	–2.5	–1.9	–2.7	–0.9
65–74 years	–1.9	–2.3	–1.6	–1.5	–2.0	–1.1	–1.8	–2.2	–1.5	–1.7	–2.1	–1.4	–2.3	–2.0	–2.7
75–84 years	–1.5	–2.0	–1.1	–1.7	–2.5	–1.0	–1.4	–1.9	–1.0	–1.3	–1.8	–0.9	–1.8	–1.5	–2.0
85 years and over	–2.7	–4.3	–2.0	0.0	–1.5	0.9	–2.7	–4.4	–2.0	–2.7	–4.5	–2.0	–1.2	–2.2	–0.7

[1]Figures for origin not stated are included in "All origins" but not distributed among specified origins.
[2]Includes races other than white and black.
[3]Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births).

The age-adjusted death rates in 2001 for selected Hispanic subgroups, in order of relative magnitude, were as follows: 821.1 for the Puerto Rican population; 677.2 for the Other Hispanic population combined; 645.9 for the population of Mexican origin; and 590.9 for the population of Cuban origin (table 5). The only statistically significant difference between the various Hispanic subgroups was that between the Puerto Rican and Cuban populations. Puerto Ricans had a significantly higher age-adjusted death rate than the Cuban origin population. The lack of statistical significance for all other possible combinations of subgroup differentials, especially between the remaining subgroups and the Puerto Rican population, is likely a function of large statistical variation in age-specific death rates for some of the Hispanic subgroups, reflecting their relatively small population sizes. Studies that aggregate data over several years do confirm differences among most Hispanic subgroups in mortality (19).

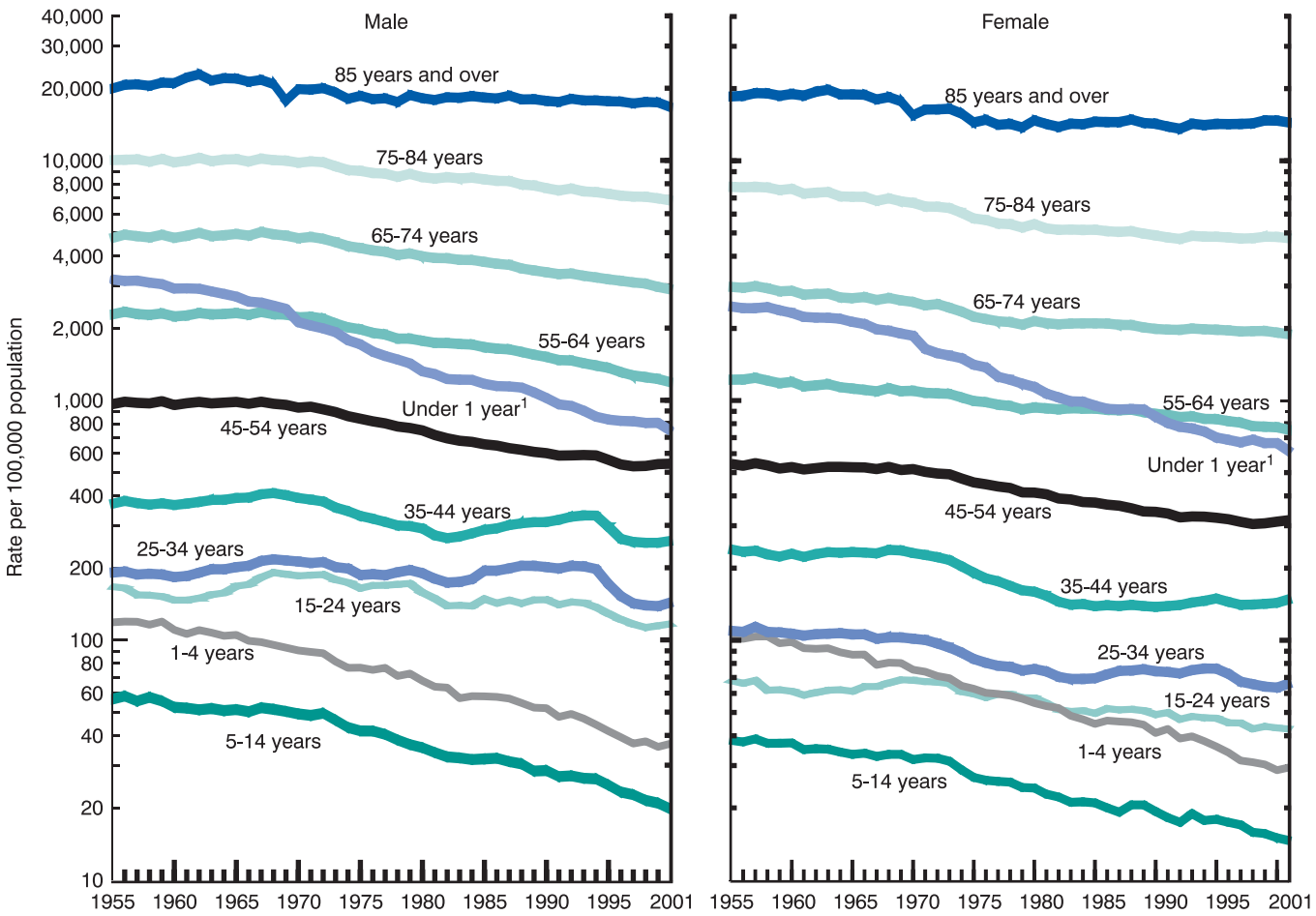
Death rates by age and sex

Between 2000 and 2001 age-specific death rates for the total population decreased for age groups under 1 year, 5–14 years, 55–64 years, 65–74 years, 75–84 years, and 85 years and over, but increased for age groups 25–34 years, 35–44 years, and 45–54 years (table A and figure 2). The largest drop in age-specific death rates in 2001 occurred among infants (under 1 year) (7.2 percent). The largest increase was for the age group 25–34 years (3.7 percent).

The death rates for males declined between 2000 and 2001 for age groups under 1 year, 5–14 years, 55–64 years, 65–74 years, 75–84 years, and 85 years and over. Age-specific rates increased for males in the age groups 15–24 years, 25–34 years, and 35–44 years. The largest decrease for males occurred for infants (under 1 year) (7.0 percent). The largest increase for males was observed for ages 25–34 (3.7 percent). For females death rates declined for age groups under 1 year, 55–64 years, 65–74 years, 75–84 years, and 85 years and over. Significant increases were observed for females in the age groups 25–34 years, 35–44 years, and 45–54 years. The largest drop in the age-specific rates occurred for females under 1 year of age (7.5 percent). The largest increase for females occurred for age group 25–34 years (3.9 percent).

Race—Age-specific death rates declined for white males for the following age groups in 2001: under 1 year, 5–14 years, 55–64 years, 65–74 years, 75–84 years, and 85 years and over. Increases in the age-specific death rate for the white male population occurred in age groups 25–34 years and 35–44 years. The largest decrease was for age group 5–14 years (7.1 percent). The largest increase was for the age group 25–34 years (5.0 percent). The black male population in 2001 showed mostly decreasing trends in mortality when considering age. Significant declines were noted for the following age groups: under 1 year, 45–54 years, 55–64 years, and 65–74 years. The largest decrease was for the age group under 1 year (9.0 percent). For white females, the death rate decreased in 2001 for those aged under 1 year, 55–64 years, 65–74 years, 75–84 years, and 85 years and over. The largest decrease was observed for age group under 1 year (7.1 percent). Increases were observed for age groups 25–34 years, 35–44 years, and 45–54 years, with the largest increase found for age group 25–34 years (6.4 percent). Age-specific rates for black females decreased for age groups under 1 year, 65–74 years, and 75–84 years. The largest decrease was observed for age group under 1 year (8.1 percent). No significant increase in age-specific rates was found for this population.

Hispanic origin—For the Hispanic origin population, the age-specific death rate declined significantly between 2000 and 2001 only for the age group 55–64 years (3.0 percent) (table B). The same age group also showed a decline when considering only Hispanic males (4.3 percent). For Hispanic females, only those in the age group under 1 year experienced a decline in age-specific death rates between 2000



[1]Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see figure 6 for infant mortality rates and "Technical Notes" for further discussion of the difference.

Figure 2. Death rates by age and sex: United States, 1955–2001

and 2001 (6.3 percent). No statistically significant increase was observed for the total Hispanic population or for Hispanic males or females, for any age group.

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. The life table methodology used to calculate the life expectancies shown in this report was revised beginning with the 1997 data year (see "Technical Notes"). The revised methodology provides values similar to the method used before 1997 but is more comparable to decennial life table methods, provides more accurate estimates, and provides more age detail. In 2001 life expectancy at birth reached a record high of 77.2 years (tables 6–8), rising above the previous high of 77.0 years in 2000. The trend in the U.S. life expectancy since 1900 is one of gradual improvement.

In 2001 life expectancy for females was 79.8 years, a 0.1-year increase from 2000, and for males it was 74.4 years, also a 0.1-year increase from the previous year. Both attained record high life expectancy levels. From 1900 to the late 1970s, the sex gap in life expectancy widened (figure 3) from 2.0 years to 7.8 years. Since its peak in the 1970s, the sex gap has been narrowing (figure 3). The difference in life expectancy between the sexes was 5.4 years in 2000 and 2001, declining from 5.5 years in 1999.

Between 2000 and 2001 life expectancy increased 0.3 year for the black population to a record high of 72.2 years. Life expectancy increased 0.1 year for the white population during the same period reaching a record high value of 77.7 years. The difference in life expectancy between the white and black populations in 2001 was 5.5 years, a 0.2-year decrease from the 2000 gap between the two races and the smallest gap ever recorded. The white-black difference in life expectancy reversed a long-term decline beginning in 1982 when the gap was 5.7 years. Between 1982 and 1989 the gap widened, reaching a peak difference of 7.1 years. Since 1989 the gap narrowed gradually to the current record low (figure 3).

Among the four major race-sex groups (tables 7, 8, and figure 4), white females continued to have the highest life expectancy at birth (80.2 years), followed by black females (75.5 years), white males (75.0 years), and black males (68.6 years). Record high life expectancies were reached by all four race-sex groups. Life expectancy for black males declined every year from 1984 to 1989, then resumed the long-term trend of increase from 1990 to 1992 and 1994 to 2001 (table 8). For white females life expectancy increased most years from

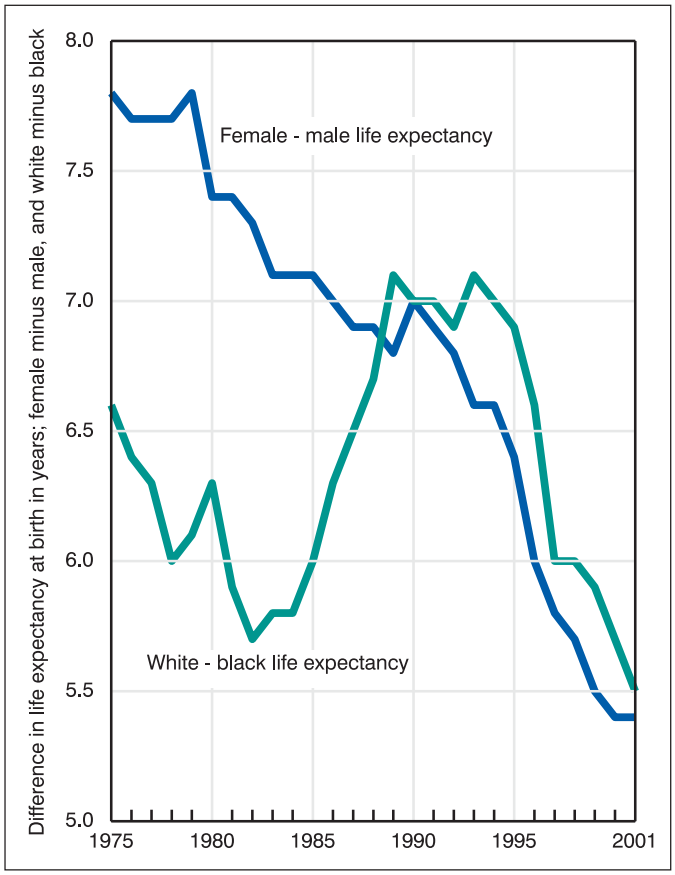


Figure 3. Difference in life expectancy between males and females, and between black and white: United States, 1975–2001

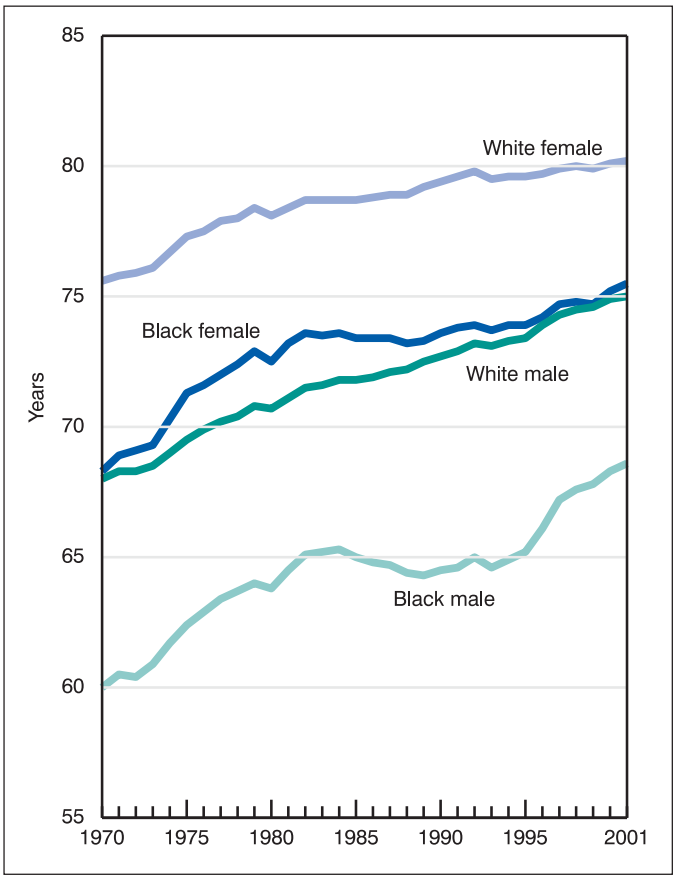


Figure 4. Life expectancy by race and sex: United States, 1970–2001

1970 to 1998. In 1999 life expectancy for white females fell below 1998's record high level, but in 2000 life expectancy for this population again began to rise. Between 1988 and 1992, 1993 and 1994, and 1995 and 1998, life expectancy for black females increased. In 1999 life expectancy for black females declined as it did for white females, only to climb back up in 2000 to a record high number. Between 2000 and 2001 the largest gains were for black males and females (0.3 years).

Life tables shown in this report may be used to compare life expectancies at selected ages from birth to 100 years. For example, a person who has reached 65 years may hypothetically 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 2001, a person aged 50 years could expect to live an average of 30.3 more years for a total of 80.3 years. A person aged 65 years could expect to live an average of 18.1 more years for a total of 83.1 years, and a person aged 85 years could expect to live an average of 6.5 more years for a total of 91.5 years (tables 6 and 7).

Leading causes of death

The 15 leading causes of death in 2001 accounted for 83.4 percent of all deaths in the United States (table C). Causes of death are ranked according to number of deaths. For ranking procedures, see "Technical Notes." In order the 15 leading causes in 2001 were: 1) Diseases of heart (heart disease), 2) Malignant neoplasms (cancer), 3) Cerebrovascular diseases (stroke), 4) Chronic lower respiratory diseases, 5) Accidents (unintentional injuries), 6) Diabetes mellitus (diabetes), 7) Influenza and pneumonia, 8) Alzheimer's disease, 9) Nephritis, nephrotic syndrome and nephrosis (kidney disease), 10) Septicemia, 11) Intentional self-harm (suicide), 12) Chronic liver disease and cirrhosis, 13) Assault (homicide), 14) Essential (primary) hypertension and hypertensive renal disease (hypertension), and 15) Pneumonitis due to solids and liquids.

The 15 leading causes of death in 2001 remained what they were in 2000, although homicide changed places with hypertension, becoming the 13th leading cause of death in 2001 from the 14th in 2000. The increase in the rank of homicide was due to the addition of deaths that resulted from the September 11, 2001, terrorist attacks.

Individuals and agencies tracking ranking and trend data of leading causes of deaths need to note the recent introduction of a new cause-of-death classification system starting with 1999 data. The changes in the classification of diseases between ICD–9 and ICD–10 and the new coding rules for selecting the underlying cause of death (see section on Tabulation lists and cause-of-death ranking in "Technical Notes") have had substantial impact on differences between trends from 1979–1998 and trends from 1999 on. Implementation of ICD–10 did not affect the ranking of the first five leading causes of death (20) but affected the ranking for diabetes, Influenza and pneumonia, Alzheimer's disease, suicide, and Chronic liver disease and cirrhosis. Detailed information on the effects of the transition from ICD–9 to ICD–10 can be found in previous reports and documents issued by NCHS (20,21).

Table C. Percent of total deaths, death rates, age-adjusted death rates for 2001, percent change in age-adjusted death rates from 2000 to 2001, and ratio of age-adjusted death rates by race and sex for the 15 leading causes of death for the total population in 2001: United States

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

Rank[1]	Cause of death (Based on the *Tenth Revision International Classification of Diseases, 1992*)	Number	Percent of total deaths	2001 crude death rate	Age-adjusted death rate: 2001	Age-adjusted death rate: Percent change 2000 to 2001	Age-adjusted death rate: Ratio: Male to female	Age-adjusted death rate: Ratio: Black to white	Age-adjusted death rate: Ratio: Hispanic to white non-Hispanic
. . .	All causes	2,416,425	100.0	848.5	854.5	–1.7	1.4	1.3	0.8
1	Diseases of heart . . . I00–I09,I11,I13,I20–I51	700,142	29.0	245.8	247.8	–3.8	1.5	1.3	0.8
2	Malignant neoplasms . . . C00–C97	553,768	22.9	194.4	196.0	–1.8	1.5	1.3	0.7
3	Cerebrovascular diseases . . . I60–I69	163,538	6.8	57.4	57.9	–4.9	1.0	1.4	0.8
4	Chronic lower respiratory diseases . . . J40–J47	123,013	5.1	43.2	43.7	–1.1	1.4	0.7	0.4
5	Accidents (unintentional injuries) . . . V01–X59,Y85–Y86	101,537	4.2	35.7	35.7	2.3	2.2	1.0	0.8
6	Diabetes mellitus . . . E10–E14	71,372	3.0	25.1	25.3	1.2	1.2	2.1	1.7
7	Influenza and pneumonia . . . J10–J18	62,034	2.6	21.8	22.0	–7.2	1.4	1.1	0.9
8	Alzheimer's disease . . . G30	53,852	2.2	18.9	19.1	5.5	0.8	0.7	0.5
9	Nephritis, nephrotic syndrome and nephrosis . . N00–N07,N17–N19,N25–N27	39,480	1.6	13.9	14.0	3.7	1.5	2.4	1.0
10	Septicemia . . . A40–A41	32,238	1.3	11.3	11.4	0.9	1.2	2.3	0.8
11	Intentional self-harm (suicide) . . . *U03,X60–X84,Y87.0	30,622	1.3	10.8	10.7	2.9	4.6	0.5	0.5
12	Chronic liver disease and cirrhosis . . . K70,K73–K74	27,035	1.1	9.5	9.5	0	2.1	1.0	1.8
13	Assault (homicide) . . . *U01–U02,X85–Y09,Y87.1	20,308	0.8	7.1	7.1	20.3	3.3	4.3	2.1
14	Essential (primary) hypertension and hypertensive disease . . . I10,I12	19,250	0.8	6.8	6.8	4.6	1.0	2.9	1.1
15	Pneumonitis due to solids and liquids . . . J69	17,301	0.7	6.1	6.1	0	1.8	1.1	0.7
. . .	All other causes . . . Residual	400,935	16.6	140.8	. . .	. . .	. . .	. . .	. . .

. . . Category not applicable.

[1]Rank based on number of deaths; see "Technical Notes."

The age pattern of mortality can vary greatly by cause of death and as a result changes in crude death rates over time can be significantly influenced by the changing composition of the population. In contrast, age-adjusted death rates eliminate the influence of such shifts in the population age structure. Therefore, age-adjusted death rates are better indicators than crude rates for showing changes in mortality risk over time and among causes of death. Consequently, age-adjusted rates are used to depict trends for leading causes of death (figure 5).

Between 2000 and 2001 the age-adjusted death rate for all causes in the United States decreased by 1.7 percent. The actual number of deaths increased by 0.5 percent from 2000 (13,704 more deaths). This reduction in the risk of dying has been driven mostly by net decreases in such large-number causes as heart disease, cancer, and Chronic lower respiratory diseases.

Among the leading causes of death, age-adjusted death rates decreased for 5 of the 15 leading causes between 2000 and 2001 (table C). The age-adjusted death rate for heart disease (the leading cause of death) declined by 3.8 percent. Except for a relatively small increase in 1993, mortality from heart disease has steadily declined since 1980. From 2000 to 2001 cancer mortality declined by 1.8 percent. The age-adjusted death rate for cancer, the second leading cause of death, has shown a gradual but consistent downward trend since 1993. The rate for stroke, the third leading cause of death, declined 4.9 percent between 2000 and 2001. Stroke has generally declined since 1958, with one exception, an increase of 2.6 percent between the years 1992 and 1995. For the second year in a row since 1994, Chronic lower respiratory diseases (fourth leading cause) showed a significant decline in the age-adjusted death rate, decreasing by 1.1 percent from 2000. Despite this recent trend, mortality from Chronic lower respiratory diseases has followed a persistent upward trajectory for the latter one-half of the past century, climbing by about 64 percent between 1979 and 1998. The age-adjusted death rate for Influenza and pneumonia (seventh leading cause) declined by 7.2 percent.

Age-adjusted death rates increased significantly for 7 of the 15 leading causes of death between 2000 and 2001. The age-adjusted death rate for unintentional injuries (the fifth leading cause of death) increased by 2.3 percent. Death rates for unintentional injuries decreased 28.6 percent during the period 1979–92, reaching its lowest point of 33.2 deaths per 100,000 standard population in 1992. Since then, however, the mortality trend for unintentional injuries has been one of gradual increase, rising by 3.9 percent between 1992 and 1998. The age-adjusted death rate for diabetes (sixth leading cause of death) increased by 1.2 percent between 2000 and 2001. Death rates for diabetes have been gradually increasing since 1986. The rate for the eighth leading cause of death (Alzheimer's disease) increased by 5.5 percent between 2000 and 2001. The trend for mortality due to Alzheimer's disease has been one of rapid increase. From 1979 until 1998, the rate for Alzheimer's disease increased dramatically due to improvements in diagnosis, awareness of the condition within the medical community, and other unidentified factors (22). The transition from ICD–9 to ICD–10 brought substantial changes to the coding and selection rules of this condition. This created a major disruption in the time series' trend for Alzheimer's disease between 1998 and 1999. The large increase between 1998 and 1999 may partly be a function of the ICD transition, and evaluating the observed change poses a problem because the comparability ratio (that represents the net effect of the new revision on cause-of-death statistics) for Alzheimer's disease may

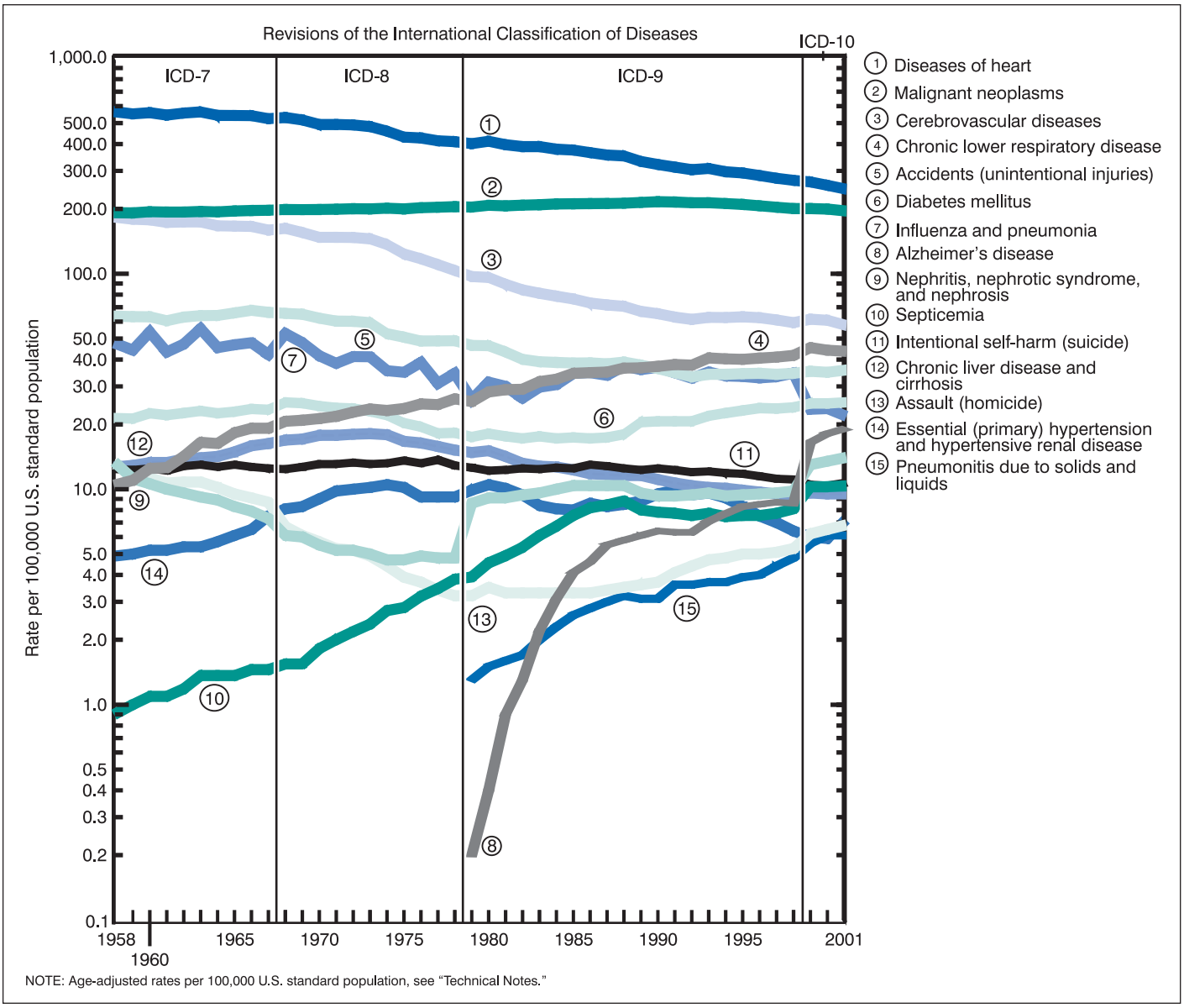


Figure 5. Age-adjusted death rates for the 15 leading causes of death: United States, 1958–2001

be understated (20,21). The death rate for kidney disease, the ninth leading cause of death, increased 3.7 percent in 2001. Kidney disease is another condition substantially affected by the transition from ICD–9 to ICD–10. Thus, evaluating the observed change in the death rate for kidney disease between 1998 and 1999 is also complicated by a comparability ratio that may be understated (20,21). Reversing a 7-year downward trend, the age-adjusted death rate for suicide (11th leading cause of death) increased by 2.9 percent between 2000 and 2001. Steadily rising since 1987, the age-adjusted death rate for hypertension (the 14th leading cause) increased 4.6 percent from 2000 to 2001. Interrupting a downward trend that began in 1991, the age-adjusted death rate for homicide (the 13th leading cause of death) increased by 20.3 percent between 2000 and 2001. The dramatic rise in the homicide rate was primarily a result of the September 11, 2001, terrorist attacks that added 2,926 certified resident deaths to this category. Without the additional deaths resulting from the terrorist attacks, the homicide rate would have increased by 3.4 percent.

An estimated 3,028 deaths resulted from the September 11, 2001, terrorist attacks in New York City, Pennsylvania, and Virginia (table D). As of October 24, 2001, a total of 2,957 death certificates have been issued for those who died as a result of the attacks. Of these, 2,927 were issued for U.S. residents and 4 for terrorists, which are classified as suicides. In 2001 an estimated 2,792 deaths occurred in New York City, 189 in Virginia, 44 in Pennsylvania, and 1 each in Massachusetts and Missouri. One death occurred in New Jersey in 2002 as a consequence of the attacks. Data in this report, with the exception of table D, are presented by place of residence and include only those deaths for which certificates were filed. Data in table D includes nonresidents of the United States and estimated total deaths to provide a more comprehensive accounting for the deaths that resulted from the terrorist attacks (see "Technical Notes").

Even though mortality from Human immunodeficiency virus disease (HIV disease) has not been on the list of 15 leading causes of death since 1997 (23), it is still considered a major public health

Table D. Deaths from terrorism on September 11, 2001

State of occurrence	Estimated total deaths	Death certificates issued (as of October 24, 2002)	
		Total	U.S. residents
All States	3,028	2,957	2,927
New York City	2,792	2,732	2,705
Virginia	189	178	177
Pennsylvania	44	44	42
Massachussetts	1	1	1
Missouri	1	1	1
New Jersey[1]	1	1	1

[1]Death occurred in 2002.

problem. In 2001 a total of 14,175 persons died from HIV disease. The age-adjusted death rate (5.0 per 100,000 standard population) declined for the sixth consecutive year, decreasing 3.8 percent from the rate in 2000. The rate of decline in mortality from this cause has slowed considerably and the death rate appears to be stabilizing.

Changes in mortality levels by age and cause of death have an important effect on changes in life expectancy. Life expectancy at birth increased between 2000 and 2001 by 0.2 years due to decreases in mortality from heart disease, cancer, stroke, Influenza and pneumonia, and Chronic lower respiratory diseases. The increase in life expectancy could have been greater than 0.2 years if it were not for the increase in mortality from homicide, unintentional injuries, Alzheimer's disease, suicide, and kidney disease. (For discussion of contributions to the change in life expectancy, see "Technical Notes.")

For males life expectancy improved by 0.1 year from 74.3 years in 2000 to 74.4 years in 2001 primarily because of decreases in mortality from heart disease, cancer, stroke, Influenza and pneumonia, and Chronic lower respiratory diseases. The increase in life expectancy for males could have been greater than 0.1 year were it not for the offsetting increases in mortality from homicide, unintentional injuries, suicide, Septicemia, and Alzheimer's disease. For females, life expectancy increased by 0.1 year from 79.7 years in 2000 to 79.8 years in 2001 due to decreases in mortality from heart disease, cancer, stroke, Influenza and pneumonia, and congenital malformations. The increase in life expectancy for females could have been greater were it not for the offsetting effect of increases in mortality from homicide, Alzheimer's disease, kidney disease, unintentional injuries, and hypertension.

The relative risk of death in one population group compared with another can be expressed as a ratio. Ratios based on age-adjusted death rates show that males have higher rates than females for 12 of the 15 leading causes of death (table C), with 8 rates for males being at least 1.5 times those for females. The largest ratio (4.6) was for suicide. Other large ratios were evident for homicide (3.3), unintentional injuries (2.2), Chronic liver disease and cirrhosis (2.1), Pneumonitis due to solids and liquids (1.8), cancer, and heart disease (1.5 each).

The difference in life expectancy between males and females did not change between 2000 and 2001, remaining at 5.4 years. The absence of change in the difference between male and female life expectancy was a result of offsetting improvements in mortality from specific causes for males and females. For example, males experienced greater improvements in mortality from heart disease, Chronic lower respiratory diseases, Alzheimer's disease, Chronic liver disease and cirrhosis, and cancer than females; while females experienced greater improvements in mortality from homicide, suicide, stroke, unintentional injuries, and diabetes.

Rates for the black population were at least 1.5 times greater compared with the white population for five of the leading causes of death (table C). The largest ratio was for homicide (4.3). Other causes for which the ratio was large include hypertension (2.9), kidney disease (2.4), Septicemia (2.3), and diabetes (2.1). For three of the leading causes, age-adjusted rates were lower for the black than the white population: the smallest black-to-white ratio was for suicide (0.5); that is, the risk of dying from suicide is double for the white population relative to the black population. Other such conditions were Alzheimer's disease and Chronic lower respiratory diseases, with a black-to-white ratio of 0.7 each.

The difference in life expectancy between blacks and whites narrowed from 5.7 years in 2000 to 5.5 years in 2001. The narrowing in the black-white life expectancy gap was due primarily to greater improvements in mortality for the black population for cancer, homicide, unintentional injuries, suicide, and Certain conditions originating in the perinatal period.

Age-adjusted death rates were lower for the Hispanic population for 10 of the 15 leading causes of death relative to the non-Hispanic white population. The smallest ratio was for Chronic lower respiratory diseases (0.4). Other causes for which the ratio was considerably small include Alzheimer's disease and suicide (0.5 each). Rates for the Hispanic population were greater than for the non-Hispanic white population for three of the leading causes of death: homicide (2.1), Chronic liver disease and cirrhosis (1.3), and diabetes (1.7).

Leading causes of death for the total population and for specific subpopulations are examined in more detail in a separate report on leading causes by age, race, Hispanic origin, and sex (3).

Injury mortality by mechanism and intent

In 2001 a total of 157,078 deaths were classified as injury-related (table 18). Injury data are presented using the external cause of injury mortality matrix for ICD–10. The matrix was jointly conceived by the International Collaborative Effort (ICE) on Injury Statistics and the Injury Control and Emergency Health Services (ICEHS) section of the American Public Health Association (24,25). The two essential dimensions of the ICD codes for injuries form the basis for this framework: the mechanism of the injury and the manner or intent of the injury. The mechanism involves the circumstances of the injury (e.g., fall, motor vehicle accident, and poisoning). The manner/intent of the injury involves whether the injury was inflicted purposefully or not (in some cases, intent cannot be determined) and when intentional, whether the injury was self-inflicted (suicide) or inflicted upon another person (assault). The matrix shifts the focus from manner or intent with subcategories showing the mechanism (in the list of 113 selected causes of death) to an emphasis on mechanism with subcategories showing manner or intent. Four major mechanisms of injury in 2001—motor-vehicle traffic, firearm, poisoning and falls—accounted for 70 percent of all injury deaths.

Motor-vehicle traffic—In 2001 motor-vehicle traffic-related injuries resulted in 42,443 deaths, accounting for 27.0 percent of all injury deaths (table 18). The age-adjusted death rate for motor-vehicle traffic-related injuries remained unchanged from 2000 to 2001 at 14.9 per 100,000 U.S. standard population.

Firearm—In 2001, 29,573 persons died from firearm injuries in the United States (tables 18, 19, and 20), accounting for 18.8 percent of all injury deaths in 2001. Firearm suicide and homicide, the two major component causes, accounted for 57 and 38.4 percent, respectively, of all firearm injury deaths in 2001. In 2001 the age-adjusted death rate for firearm injuries was 10.3 deaths per 100,000 U.S. standard population. Males had an age-adjusted rate that was 6.6 times that for females, the black population had a rate that was 2 times that of the white population, and the non-Hispanic population had a rate that was 1.3 times that of the Hispanic population (tables 19 and 20). Between 2000 and 2001 the age-adjusted death rate for firearm injuries increased slightly from 10.2 to 10.3, although the increase was not statistically significant.

Poisoning—In 2001, 22,242 deaths occurred as the result of poisonings, 14.2 percent of all injury deaths (table 18). The majority of poisoning deaths were either unintentional (63.3 percent) or suicides (23.3 percent). However, a substantial proportion (13.1 percent) of poisonings were of undetermined intent. From 2000 to 2001 the age-adjusted death rate due to poisonings increased by 8.3 percent from 7.2 per 100,000 U.S. standard population to 7.8.

Falls—In 2001, 15,764 persons died as the result of falls, 10.0 percent of all injury deaths. The overwhelming majority (95.3 percent) of fall-related deaths were unintentional. From 2000 to 2001 the age-adjusted death rate for falls increased by 9.8 percent from 5.1 per 100,000 U.S. standard population to 5.6.

More detailed information on injury deaths, including data by age, race, Hispanic origin, sex, and State are presented in a separate report (4). Also presented in this separate report are data describing type of injury and poisoning.

Drug-induced mortality

In 2001 a total of 21,683 persons died of drug-induced causes in the United States (tables 21 and 22). 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 unintentional injuries, homicides, and other causes indirectly related to drug use. Also excluded are newborn deaths due to mother's drug use. (For a list of drug-induced causes, see "Technical Notes.") In 2001 the age-adjusted death rate for drug-induced causes for males was 2 times the rate for females. The age-adjusted rate for the black population was 1.2 times the rate for the white population (table 21). The rate for the non-Hispanic white population was 1.5 times that of the Hispanic population, and the rate for the non-Hispanic black population was 1.8 times that of the Hispanic population (table 22). Between 2000 and 2001 the age-adjusted death rate for drug-induced causes increased 8.6 percent from 7.0 deaths per 100,000 U.S. standard population to 7.6. For the major ethnic-race-sex groups, between 2000 and 2001, the age-adjusted death rate for drug-induced causes increased by 8.5 percent for white males and by 12.8 percent for white females. The rate did not change significantly for either black males or females, or for Hispanic males or females.

Alcohol-induced mortality

In 2001 a total of 19,817 persons died of alcohol-induced causes in the United States (tables 23 and 24). The category "alcohol-induced causes" includes not only deaths from dependent and nondependent use of alcohol but also accidental poisoning by alcohol. It excludes unintentional injuries, homicides, and other causes indirectly related to alcohol use as well as deaths due to fetal alcohol syndrome. (For a list of alcohol-induced causes, see "Technical Notes.") In 2001 the age-adjusted death rate for alcohol-induced causes for males was 3.3 times the rate for females, and the rate for the Hispanic population was 1.6 times the rate for the non-Hispanic white population (tables 23 and 24). Between 2000 and 2001 the age-adjusted death rate for alcohol-induced causes for the total population remained unchanged (6.9 per 100,000 U.S. standard population). For the major ethnic-race-sex groups, the rate increased significantly only for white females, from 3.0 to 3.2.

Marital status

For those aged 15 years and over, the number of deaths in 2001 of persons who were married was 942,458; widowed, 918,655; never married, 242,936; and divorced, 262,695 (table 25) (see "Technical Notes"). Those never married had the highest age-adjusted death rate, followed by divorced, widowed, and married persons, respectively. The never-married group had an age-adjusted death rate 62.9 percent higher than the ever married and 2.1 times the rate for the currently married. Age-adjusted death rates for widowed and divorced persons were 74.9 percent and 81.7 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 years, widowed persons had the highest death rates; but beginning at age 35, those who never married had the highest death rates.

For each marital status group, males had higher age-adjusted death rates than females, ranging from 32.3 percent greater for the never married to 76.7 percent greater for the currently married in 2001. Never married, married, and widowed black persons had significantly higher age-adjusted death rates than white persons, with rates 31.2 percent, 26.2 percent, and 14.8 percent higher, respectively. The difference between black and white divorced persons was not statistically significant. Hispanic persons exhibited the same patterns of mortality by marital status as the non-Hispanic population, but had significantly lower death rates in comparison in each of the marital statuses (table 26).

Educational attainment

Age-specific and age-adjusted death rates are shown by educational attainment for age groups in the range 25–64 years (table 27). In the 47 reporting States and the District of Columbia, a total of 228,103 decedents aged 25–64 years completed 12 years of education, compared with 165,251 who had completed 13 years or more and 112,654 who 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 576.6 per 100,000 U.S. standard population—20 percent higher than the rate of 480.9 for those with 12 years of education and 2.7 times the rate for those with 13 years of education

or more. Rates are shown only for ages 25–64 years because persons under age 25 may not have completed their education. Rates are not shown for the older ages because of misreporting of educational attainment on the death certificate (see "Technical Notes"). Data on educational attainment must be interpreted with caution because of misreporting on the death certificate and biases that result from differences between the classification of educational attainment on the death certificate and in census surveys (see "Technical Notes").

Injury at work

For persons aged 15 years and over, a total of 8,303 deaths were reported on the death certificates to be due to injuries at work (table 28). Rates were lowest for age groups 15–24 years and 65 years and over. The risk of work-related death was much greater for males than for females; the age-adjusted death rate for males was 6.6 deaths per 100,000 U.S. standard population compared with 1.0 for females, resulting in a mortality ratio of 6.6:1. The age-adjusted rate for the white population (3.8) was somewhat higher than the rate for the black population (3.1). The male-to-female ratios for the white and black populations were 7.6 and 5.0, respectively.

The number of deaths due to injury at work increased by 2,873 from 2000 to 2001. Of this increase in deaths, 2,826 (98.4 percent) died as the result of the September 11, 2001, terrorist attacks. As a result the age-adjusted death rate increased by 48 percent (table 29) from 2000 to 2001. The increase was substantial for males (43.5 percent) and more particularly for females (150 percent). The age-adjusted death rate for injury at work also increased for both the white (52.0 percent) and for the black (34.8 percent) populations.

State of residence

Mortality patterns vary considerably by State (table 30). The State with the highest age-adjusted death rate in 2001 was Mississippi with a rate 19.7 percent above the national average (1,023.2 per 100,000 standard population). The State with the lowest age-adjusted death rate was Hawaii (652.6 per 100,000 standard population), with a rate almost 24 percent below the national average. The rate for the District of Columbia was 1,038.2 deaths per 100,000 standard population, 21.5 percent above the national average; however, the District of Columbia, as a city, is not comparable with the States. Variations in mortality by State are associated with differences in socioeconomic status, race, and ethnic composition as well as differences in risk for specific causes of death (26).

Infant mortality

In 2001 a total of 27,568 deaths occurred to children under 1 year (table E), 467 fewer deaths than in 2000. The infant mortality rate in 2001 was 6.8 infant deaths per 1,000 live births, the lowest rate ever recorded for the United States. The infant mortality rate decreased slightly from 2000 to 2001, although this decrease was not statistically significant (table 31 and figure 6). In contrast, the decrease in the infant death rate mentioned under "Death rates by age and sex" was statistically significant (down 7.2 percent from 2000) (for a discussion of the differences between infant death rates and infant mortality rates, see the section on Infant mortality in "Technical Notes"). The mortality rate for white infants did not change between 2000 and 2001, remaining at 5.7 deaths per 1,000 live births. The infant mortality rate for black infants was 14.0 deaths per 1,000 live births, and although it declined slightly between 2000 and 2001, the decline was not statistically significant. Race cited on the death certificate is considered to be relatively accurate for white and black infants (16). However, for other race groups, race may be misreported on the death certificate; consequently, infant mortality by race for these population groups is better measured using data from the linked file of live births and infant deaths (27).

The ratio of the black-to-white infant mortality rates was 2.5 in 2001, unchanged from 2000. During 1960–71 infant mortality rates converged as a result of the rates decreasing at a faster rate for the black population compared with the white population (31.6 and 25.3 percent, respectively). From 1971 to 1990 rates diverged as rates for the black population declined at a slower rate than those for the white population (43.9 and 55.0 percent, respectively). Since 1990 rates for the white population have declined by 25.0 percent and for the black population by 22.2 percent.

The neonatal mortality rate (deaths to infants aged 0–27 days per 1,000 live births) decreased by 2.2 percent for all races combined between 2000 and 2001 (from 4.6 to 4.5 per 1,000 live births). The neonatal mortality rate did not change significantly for either the white or black populations. The postneonatal mortality rate (deaths to infants age 28 days–1 year per 1,000 live births) remained constant at 2.3 for all races combined. The rate also remained constant for white postneonates (1.9 deaths per 1,000 live births), and increased slightly but nonsignificantly (2.1 percent) for black postneonates (from 4.7 to 4.8 deaths per 1,000 live births).

The 10 leading causes of infant death in 2001 accounted for 67.2 percent of all infant deaths in the United States (table F). In rank order, the 10 leading causes were: 1) Congenital malformations, deformations and chromosomal abnormalities (congenital malformations), 2) Disorders related to short gestation and low birthweight, not elsewhere classified (low birthweight), 3) Sudden infant death syndrome (SIDS), 4) Newborn affected by maternal complications of pregnancy (maternal complications), 5) Newborn affected by complications of placenta, cord and membranes (cord and placental complications), 6) Respiratory distress of newborn, 7) Accidents (unintentional injuries), 8) Bacterial sepsis of newborn, 9) Diseases of the circulatory system (circulatory diseases), and 10) Intrauterine hypoxia and birth asphyxia. The list of the 10 leading causes of infant deaths did not change from 2000 to 2001.

The introduction of ICD–10 for 1999 data affected trends in many of the leading causes of infant death. For a description of changes affecting infant causes of death, the reader is directed to review the 1999 final report on mortality (21) and the preliminary report on comparability of cause of death between ICD–9 and ICD–10 (20).

Changes in rates by cause of death among the 10 leading causes were statistically significant for 3 conditions: mortality for SIDS decreased by 10.8 percent, Intrauterine hypoxia and birth asphyxia dropped 14.2 percent, and unintentional injuries increased by 11.5 percent in 2001.

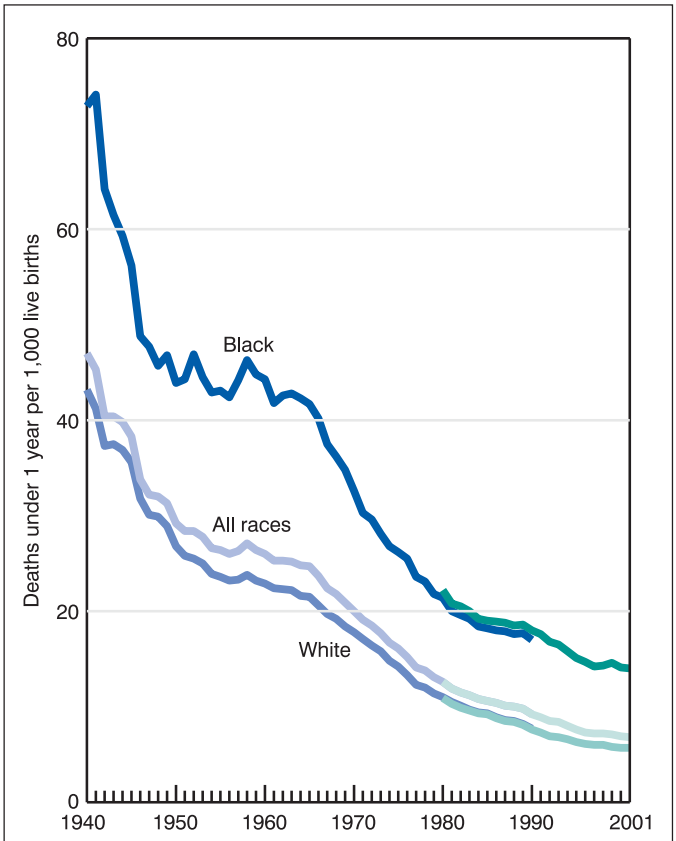
Hispanic infant mortality—The infant mortality rate for Hispanic infants was 5.5 deaths per 1,000 live births in 2000, down slightly, but not significantly, from 2000 to 2001 (data not shown). Infant mortality rates for Mexican, Puerto Rican, and Cuban infants were 5.4, 8.1, and 3.3 deaths per 1,000 live births, respectively. The infant mortality rate

Table E. Number of infant, neonatal, and postneonatal deaths and mortality rates, by race and sex: United States, 2001

[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. For infant mortality rates by Hispanic origin or by detailed race, refer to data from the linked file of live births and infant deaths; see "Technical Notes"]

Race and sex	Infant		Neonatal		Postneonatal	
	Number	Rate	Number	Rate	Number	Rate
All races[1]	27,568	6.8	18,265	4.5	9,303	2.3
Male	15,477	7.5	10,237	5.0	5,240	2.5
Female	12,091	6.1	8,028	4.1	4,063	2.1
White	17,955	5.7	12,013	3.8	5,942	1.9
Male	10,099	6.2	6,750	4.2	3,349	2.1
Female	7,856	5.1	5,263	3.4	2,593	1.7
Black	8,498	14.0	5,585	9.2	2,913	4.8
Male	4,764	15.5	3,125	10.2	1,639	5.3
Female	3,734	12.5	2,460	8.2	1,274	4.3

[1]Includes races other than white and black.



NOTES: Infant deaths are classified by race of decedent. For 1940-90, live births are classified by race of parents and for 1980-2001, by race of mother. See "Technical Notes."

Figure 6. Infant mortality rates by race: United States, 1940–2001

for non-Hispanic white infants in 2001 was 5.7 deaths per 1,000 live births. The infant mortality rate dropped significantly only for the Mexican population (by 5.3 percent). 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 (16,27) (see "Technical Notes").

Maternal mortality

In 2001 a total of 399 women were reported to have died of maternal causes (tables 34 and 35), up 3 deaths from the 2000 total. As in previous years, the number of maternal deaths does not include all deaths occurring to pregnant women, but only those deaths reported on the death certificate that were assigned to causes related to or aggravated by pregnancy or pregnancy management (ICD–10 codes A34, O00–O95, and O98–O99). Further, the number excludes deaths occurring more than 42 days after the termination of pregnancy and deaths of pregnant women due to external causes (unintentional injuries, homicides, and suicides) (7).

The maternal mortality rate for 2001 was 9.9 deaths per 100,000 live births. Black women have a substantially higher risk of maternal death than white women. The maternal mortality rate for black women was 24.7, 3.4 times the rate for white women (7.2 deaths per 100,000 live births).

Hispanic maternal mortality—The maternal mortality rate for Hispanic women was 9.5 deaths per 100,000 live births. As with other statistics involving Hispanic origin, these should be interpreted with caution because of inconsistencies between reporting Hispanic origin on death certificates and on censuses and surveys (see "Technical Notes").

Table F. Number of infant deaths, percent of total infant deaths, and infant mortality rates for 2001, and percent change in infant mortality rates from 2000 to 2001 for the 10 leading causes of infant death in 2001: United States

[Rates are infant deaths per 100,000 live births; see "Technical Notes"]

Rank[1]	Cause of death (Based on the *Tenth Revision International Classification of Diseases, 1992*)		Number	Percent of total deaths	Rate	Percent change[2] from 2000 to 2001
. . .	All causes		27,568	100.0	684.8	–0.9
1	Congenital malformations, deformations and chromosomal abnormalities	Q00–Q99	5,513	20.0	136.9	–3.3
2	Disorders related to short gestation and low birth weight, not elsewhere classified	P07	4,410	16.0	109.5	1.1
3	Sudden infant death syndrome	R95	2,234	8.1	55.5	–10.8
4	Newborn affected by maternal complications of pregnancy	P01	1,499	5.4	37.2	7.5
5	Newborn affected by complications of placenta, cord and membranes	P02	1,018	3.7	25.3	–3.4
6	Respiratory distress of newborn	P22	1,011	3.7	25.1	2.0
7	Accidents (unintentional injuries)	V01–X59	976	3.5	24.2	11.5
8	Bacterial sepsis of newborn	P36	696	2.5	17.3	–8.5
9	Diseases of the circulatory system	I00–I99	622	2.3	15.4	–5.5
10	Intrauterine hypoxia and birth asphyxia	P20–P21	534	1.9	13.3	–14.2
. . .	All other causes	Residual	9,055	32.8	224.9	. . .

. . . Category not applicable.

[1]Rank based on number of deaths; see "Technical Notes."

[2]Percent change based on a comparison of the 2001 infant mortality rate with the 2000 infant mortality rate.

References

1. Hoyert DL, Singh GK, Rosenberg HM. Sources of data on socioeconomic differential mortality in the United States. Journal of Official Statistics. 11(3):233–60. 1995.
2. Arias E, Smith BL. Deaths: Preliminary data for 2001. National vital statistics reports; vol 51 no 5. Hyattsville, Maryland: National Center for Health Statistics. 2003.
3. Anderson RN, Smith BL. Deaths: Leading causes for 2001. National vital statistics reports. Hyattsville, Maryland: National Center for Health Statistics. Forthcoming.
4. Anderson RN, Fingerhut LA, Warner M, Heinen MA, Miniño AM. Deaths: Injuries, 2001. National vital statistics reports. Hyattsville, Maryland: National Center for Health Statistics. Forthcoming.
5. Arias E. United States Life Tables, 2001. National vital statistics reports. Hyattsville, Maryland: National Center for Health Statistics. Forthcoming.
6. National Center for Health Statistics. Technical Appendix. Vital statistics of the United States: Mortality, 1995. Available on the NCHS Web site at www.cdc.gov/nchs and to be included on the CD-ROM titled Vital Statistics of the United States, Mortality, 1995.
7. World Health Organization. International Statistical Classification of Diseases and Related Health Problems, Tenth Revision. Geneva: World Health Organization. 1992.
8. Office of Management and Budget. Revisions to the standards for the classification of Federal data on race and ethnicity. Federal Register 62FR58782–58790. October 30, 1997. Available at: http://www.whitehouse.gov/omb/fedreg/ombdir15.html.
9. Office of Management and Budget. Race and ethnic standards for Federal statistics and administrative reporting. Statistical policy directive 15. 1977.
10. U.S. Census Bureau. Age, sex, race, and Hispanic origin information from the 1990 census: A comparison of census results with results where age and race have been modified, 1990. CPH-L-74. Washington, DC: U.S. Department of Commerce. 1991.
11. Ingram DD, Weed JA, Parker JD, Hamilton B, Schenker N, Arias E, Madans JH. U.S. Census 2000 with bridged race categories. Vital Health Stat 2. Forthcoming.
12. Schenker N, Parker JD. From single-race reporting to multiple-race reporting: Using imputation methods to bridge the transition. Stat Med 22:1571–87. 2003.
13. Centers for Disease Control and Prevention. Update: Influenza activity—United States, 1998–99 season. Morbidity and mortality weekly report; vol 48 no 9. Washington DC: Public Health Service. 1999.
14. Centers for Disease Control and Prevention. Influenza activity—United States, 1999–2000 season. Morbidity and mortality weekly report; vol 48 no 45. Washington, DC: Public Health Service. 2000.
15. Centers for Disease Control and Prevention. Update: Influenza activity—United States, 1999–2000 season. Morbidity and mortality weekly report; vol 49 no 3. Washington, DC: Public Health Service. 2000.
16. Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999.
17. Kochanek KD, Maurer JD, Rosenberg HM. Causes of death contributing to changes in life expectancy: United States, 1984–89. National Center for Health Statistics. Vital Health Stat 20(23). 1994.
18. Abraida-Lanza AF, Dohrenwend BP, Ng-Mak DS, Turner JB. The Latino Mortality Paradox: A Test of the "Salmon Bias" and Healthy Migrant Hypotheses. American Journal of Public Health 89(10). 1999.
19. Maurer JD, Rosenberg HM, Keemer JB. Deaths of Hispanic origin, 15 reporting States, 1979–81. National Center for Health Statistics. Vital Health Stat 20(18). 1990.
20. Anderson RN, Miniño AM, Hoyert DL, Rosenberg HM. Comparability of cause of death between ICD–9 and ICD–10: Preliminary estimates. National vital statistics reports; vol 49 no 2. Hyattsville, Maryland: National Center for Health Statistics. 2001.
21. Hoyert DL, Arias E, Smith BL, Murphy SL, Kochanek KD. Deaths: Final data for 1999. National vital statistics reports; vol 49 no 8. Hyattsville, Maryland: National Center for Health Statistics. 2001.
22. Hoyert DL. Mortality trends for Alzheimer's disease, 1979–91. Vital and Health Statistics series 20(28). Hyattsville, Maryland: National Center for Health Statistics. 1996.

23. Hoyert DL, Kochanek KD, Murphy SL. Deaths: Final Data for 1997. National vital statistics reports; vol 47 no 19. Hyattsville, Maryland: National Center for Health Statistics. 1999.
24. National Center for Health Statistics. Proceedings of the international collaborative effort on injury statistics: vol I. Hyattsville, Maryland: Public Health Service. 1995.
25. Fingerhut LA, Cox CS, Warner M, et al. International comparative analysis of injury mortality: Findings from the ICE on injury statistics. Advance data from vital and health statistics; no 303. Hyattsville, Maryland: National Center for Health Statistics. 1998.
26. Pamuk E, Makuc D, Heck K, Reuben C, Lochner K. Socioeconomic status and health chartbook. Health, United States, 1998. Hyattsville, Maryland: National Center for Health Statistics. 1998.
27. Mathews TJ, Menacker F, MacDorman MF. Infant mortality statistics from the 2001 period linked birth/infant death data set. National vital statistics reports; vol 52, no 2. Hyattsville, Maryland: National Center for Health Statistics. 2003.
28. Tolson GC, Barnes JM, Gay GA, Kowaleski JL. The 1989 revision of the U.S. standard certificates and reports. National Center for Health Statistics. Vital Health Stat 4(28). 1991.
29. National Center for Health Statistics. Technical appendix. Vital statistics of the United States, 1989, vol II, mortality. Washington, DC: Public Health Service. 1992.
30. Klebba AJ, Scott JH. Estimates of selected comparability ratios based on dual coding of 1976 death certificates by the Eighth and Ninth Revisions of the International Classification of Diseases. Monthly vital statistics report; vol 28 no 11, supp. Hyattsville, Maryland: Public Health Service. 1980.
31. Klebba AJ, Dolman AB. Comparability of mortality statistics for the Seventh and Eighth Revisions of the International Classification of Diseases, United States. National Center for Health Statistics. Vital Health Stat 2(66). 1975.
32. National Center for Health Statistics. Comparability of mortality statistics for the Sixth and Seventh Revisions, United States, 1958. Vital Statistics—Special reports; vol 51 no 4. Washington, D.C. Public Health Service. 1965.
33. National Center for Health Statistics. Vital statistics, instructions for classifying the underlying cause of death. NCHS instruction manual; part 2a. Hyattsville, Maryland: Public Health Service. Published annually.
34. National Center for Health Statistics. Vital statistics, instructions for classifying multiple causes of death. NCHS instruction manual; part 2b. Hyattsville, Maryland: Public Health Service. Published annually.
35. National Center for Health Statistics. Vital statistics, ICD–9 ACME decision tables for classifying underlying causes of death. NCHS instruction manual; part 2c. Hyattsville, Maryland: Public Health Service. Published annually.
36. National Center for Health Statistics. Vital statistics, data entry instructions for the mortality medical indexing, classification, and retrieval system (MICAR). NCHS instruction manual; part 2g. Hyattsville, Maryland: Public Health Service. Published annually.
37. National Center for Health Statistics. Vital statistics, dictionary of valid terms for the mortality medical indexing, classification, and retrieval system (MICAR). NCHS instruction manual; part 2h. Hyattsville, Maryland: Public Health Service. Published annually.
38. Chamblee RF, Evans MC. TRANSAX, the NCHS system for producing multiple cause-of-death statistics, 1968–78. National Center for Health Statistics. Vital Health Stat 1(20). 1986.
39. Israel RA, Rosenberg HM, Curtin LR. Analytical potential for multiple cause-of-death data. Am J Epidemiol 124(2):161–79. 1986.
40. National Center for Health Statistics. Public-use data set documentation: Mortality data set for ICD–10, 2001. Hyattsville, Maryland: Public Health Service. Forthcoming.
41. National Center for Health Statistics. ICD–10 cause-of-death lists for tabulating mortality statistics (updated October 2002). NCHS instruction manual; part 9. Hyattsville, Maryland: Public Health Service. 2002.
42. Sorlie PD, Rogot E, Johnson NJ. Validity of demographic characteristics on the death certificate. Epidemiology 3(2):181–4. 1992.
43. Poe GS, Powell-Griner E, McLaughlin JK, et al. Comparability of the death certificate and the 1986 national mortality followback survey. National Center for Health Statistics. Vital Health Stat 2(118). 1993.
44. Hogan H. The 1990 post-enumeration survey: Operations and results. J Am Stat Assoc 48(423):1047–60. 1993.
45. Hoyert, DL. Effect on mortality rates of the 1989 changes in tabulating race. National Center for Health Statistics. Vital Health Stat 20(25). 1994.
46. National Center for Health Statistics. Technical appendix. Vital statistics of the United States, 1989, vol I, natality, part A. Washington: Public Health Service. 1993.
47. Sirken MG. Comparison of two methods of constructing abridged life tables by reference to a "standard" table. National Center for Health Statistics. Vital Health Stat 2(4). 1966.
48. Anderson RN. Method for constructing complete annual U.S. life tables. National Center for Health Statistics. Vital and Health Stat 2(129). 1999.
49. National Center for Health Statistics. U.S. decennial life tables for 1989–91, vol 1, no 2, methodology of the national and State life tables. Hyattsville, Maryland. 1998.
50. Kestenbaum B. A description of the extreme aged population based on improved Medicare enrollment data. Demography 29:565–80. 1992.
51. Arriaga EE. Changing trends in mortality decline during the last decades. In: Ruzicka L, Wunsch G, Kane P, eds. Differential mortality: Methodological issues and biosocial factors. Oxford: Clarendon Press. 1989.
52. Sorlie PD, Johnson NJ. Validity of education information on the death certificate. Epidemiology 7(4):437–9. 1996.
53. Kominski R, Adams A. Educational attainment in the United States, March 1993 and 1992. U.S. Bureau of the Census. Current Population reports: series p20–476. Washington, DC: U.S. Government Printing Office. 1994.
54. Martin JA, Hamilton BE, Ventura SJ, Menacker F, Park MM, Sutton PD. Births: Final data for 2001. National vital statistics reports; vol 51 no 2. Hyattsville, Maryland: National Center for Health Statistics. 2002.
55. National Center for Health Statistics. Vital statistics, computer edits for mortality data, effective 2001. NCHS instruction manual; part 11. Hyattsville, Maryland: Public Health Service. 2000.
56. National Center for Health Statistics. Vital statistics, ICD–10 cause-of-death querying, 1999. NCHS instruction manual; part 20. Hyattsville, Maryland: Public Health Service. 1999.
57. National Center for Health Statistics. Estimates of the July 1, 2001, United States resident population by age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. Available on the Internet at: http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. 2003.
58. National Center for Health Statistics. Estimates of the April 1, 2000, United States resident population by age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. Available on the Internet at: http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. 2003.
59. National Center for Health Statistics. Estimates of the July 1, 1999, United States resident population by State and county, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with

the U.S. Census Bureau. Released April 15, 2003. Available on the Internet at: http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. 2003.

60. National Center for Health Statistics. Estimates of the July 1, 1998, United States resident population by State and county, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. Released April 15, 2003. Available on the Internet at: http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. 2003.
61. National Center for Health Statistics. Estimates of the July 1, 1997, United States resident population by State and county, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. Released April 15, 2003. Available on the Internet at: http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. 2003.
62. National Center for Health Statistics. Estimates of the July 1, 1996, United States resident population by State and county, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. Released April 15, 2003. Available on the Internet at: http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. 2003.
63. National Center for Health Statistics. Estimates of the July 1, 1995, United States resident population by State and county, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. Released April 15, 2003. Available on the Internet at: http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. 2003.
64. National Center for Health Statistics. Estimates of the July 1, 1994, United States resident population by State and county, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. Released April 15, 2003. Available on the Internet at: http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. 2003.
65. National Center for Health Statistics. Estimates of the July 1, 1993, United States resident population by State and county, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. Released April 15, 2003. Available on the Internet at: http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. 2003.
66. National Center for Health Statistics. Estimates of the July 1, 1992, United States resident population by State and county, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. Released April 15, 2003. Available on the Internet at: http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. 2003.
67. National Center for Health Statistics. Estimates of the July 1, 1991, United States resident population by State and county, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. Released April 15, 2003. Available on the Internet at: http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. 2003.
68. Miniño AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final data for 2000. National vital statistics reports; vol 50 no 15. Hyattsville, Maryland: National Center for Health Statistics. 2002. Available on the Internet at: http://www.cdc.gov/nchs/data/nvsr/nvsr50/nvsr50_15.pdf.
69. Murphy SL. Deaths: Final data for 1998. National vital statistics reports; vol 48 no 11. Hyattsville, Maryland: National Center for Health Statistics. 2000. Available on the Internet at: http://www.cdc.gov/nchs/data/nvsr/nvsr48/nvs48_11.pdf.
70. Peters KD, Kochanek KD, Murphy SL. Deaths: Final data for 1996. National vital statistics reports; vol 47 no 9. Hyattsville, Maryland: National Center for Health Statistics. 1998. Available on the Internet at: http://www.cdc.gov/nchs/data/nvsr/nvsr47/nvs47_09.pdf.
71. Anderson RN, Kochanek KD, Murphy SL. Report of final mortality statistics, 1995. Monthly vital statistics report; vol 45 no 11, supp 2. Hyattsville, Maryland: National Center for Health Statistics. 1997. Available on the Internet at: http://www.cdc.gov/nchs/data/mvsr/supp/mv45_11s2.pdf.
72. Singh GK, Kochanek KD, MacDorman MF. Advance report of final mortality statistics, 1994. Monthly vital statistics report; vol 45 no 3, supp. Hyattsville, Maryland: National Center for Health Statistics. 1996. Available on the Internet at: http://www.cdc.gov/nchs/data/mvsr/supp/mv45_03s.pdf.
73. Gardner P, Hudson BL. Advance report of final mortality statistics, 1993. Monthly vital statistics report; vol 44 no 7, supp. Hyattsville, Maryland: National Center for Health Statistics. 1996. Available on the Internet at: http://www.cdc.gov/nchs/data/mvsr/supp/mv44_07s.pdf.
74. Kochanek KD, Hudson BL. Advance report of final mortality statistics, 1992. Monthly vital statistics report; vol 43 no 6, supp. Hyattsville, Maryland: National Center for Health Statistics. 1995. Available on the Internet at: http://www.cdc.gov/nchs/data/mvsr/supp/mv43_06s.pdf.
75. National Center for Health Statistics. Advance report of final mortality statistics, 1991. Monthly vital statistics report; vol 42 no 2, supp. Hyattsville, Maryland: National Center for Health Statistics. 1993. Available on the Internet at: http://www.cdc.gov/nchs/data/mvsr/supp/mv42_02saugacc.pdf.
76. U.S. Bureau of the Census. Population estimates for 2001 based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division.
77. U.S. Census Bureau. Unpublished census file. State-Age-Sex 2000–2001_v2002.xls. Estimates of the United States population by age, sex, and State: 2000 and 2001. Washington: U.S. Census Bureau. 2003.
78. U.S. Census Bureau, International Data Base. 2003
79. Anderson RN, Rosenberg HM. Age standardization of death rates: Implementation of the year 2000 standard. National vital statistics reports; vol 47 no 3. Hyattsville, Maryland: National Center for Health Statistics. 1998.
80. Chiang CL. Introduction to Stochastic Processes in Biostatistics. New York: Wiley. 1968.
81. Brillinger DR. The natural variability of vital rates and associated statistics. Biometrics 42:693–734. 1986.
82. DeNavas-Walt C, Cleveland R. Money income in the United States: 2001. Current population reports; P60–218. U.S. Census Bureau. Washington; U.S. Government Printing Office. 2002.
83. Fay MP, Feuer EJ. Confidence intervals for directly standardized rates: a method based on the gamma distribution. Stat Med 16:791–801. 1997.
84. Schenker N, Gentleman JF. On judging the significance of differences by examining the overlap between confidence intervals. Amer Stat 55:182–186. 2001.
85. Arnold SF. Mathematical Statistics. Englewood Cliffs, New Jersey: Prentice Hall. 1990.
86. Feinleib M, Zarate AO, eds. Reconsidering age adjustment procedures: Workshop proceedings. National Center for Health Statistics. Vital Health Stat 4(29). 1992.

List of Detailed Tables

1. Number of deaths, death rates, and age-adjusted death rates, by race and sex: United States, 1940, 1950, 1960, 1970, and 1980–2001 18
2. Number of deaths, death rates, and age-adjusted death rates, by Hispanic origin, race for non-Hispanic population, and sex: United States, 1997–2001 20

3. Number of deaths and death rates, by age, race, and sex: United States, 2001 21
4. Number of deaths and death rates by Hispanic origin, race for non-Hispanic population, age, and sex: United States, 2001 . . 22
5. Number of deaths and death rates by age, and age-adjusted death rates, according to specified Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 24
6. Abridged life table for the total population, 2001 26
7. Life expectancy at selected ages by race and sex: United States, 2001 26
8. Life expectancy at birth by race and sex: United States, 1940, 1950, 1960, 1970, and 1975–2001 27
9. Death rates by age and age-adjusted death rates for the 15 leading causes of death in 2001: United States, 1999–2001 . . 28
10. Number of deaths from 113 selected causes, by age: United States, 2001 30
11. Death rates for 113 selected causes, by age: United States, 2001 34
12. Number of deaths from 113 selected causes by race and sex: United States, 2001 38
13. Number of deaths from 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 42
14. Death rates for 113 selected causes by race and sex: United States, 2001 49
15. Death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 53
16. Age-adjusted death rates for 113 selected causes by race and sex: United States, 2001 60
17. Age-adjusted death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 64
18. Number of deaths, death rates, and age-adjusted death rates for injury deaths according to mechanism and intent of death: United States, 2001 71
19. Number of deaths, death rates, and age-adjusted death rates for injury by firearms, by race and sex: United States, 1999–2001 73
20. Number of deaths, death rates, and age-adjusted death rates by injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 1999–2001 74
21. Number of deaths, death rates, and age-adjusted death rates for drug-induced causes, by race and sex: United States, 1999–2001 75
22. Number of deaths, death rates, and age-adjusted death rates for drug-induced causes, by Hispanic origin, race for non-Hispanic population, and sex: United States, 1999–2001 76
23. Number of deaths, death rates, and age-adjusted death rates for alcohol-induced causes, by race and sex: United States, 1999–2001 77
24. Number of deaths, death rates, and age-adjusted death rates for alcohol-induced causes, by Hispanic origin, race for non-Hispanic population, and sex: United States, 1999–2001 78
25. Number of deaths, death rates, and age-adjusted death rates for ages 15 years and over, by race, sex, and marital status: United States, 2001 79
26. Number of deaths, death rates, and age-adjusted death rates for ages 15 years and over, by Hispanic origin, race for non-Hispanic population, sex, and marital status: United States, 2001 81
27. Number of deaths, death rates, and age-adjusted death rates for ages 25–64 years, by educational attainment and sex: Total 47 reporting States and the District of Columbia, 2001 85
28. 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, 2001 86
29. Number of deaths, death rates, and age-adjusted death rates for injury at work, by race and sex: United States, 1993–2001 . . . 87
30. Number of deaths, death rates, and age-adjusted death rates for major causes of death for the United States, and each State, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2001 88
31. Infant, neonatal, and postneonatal mortality rates by race and sex: United States, 1940, 1950, 1960, 1970, and 1975–2001 . . 92
32. Number of infant deaths and infant mortality rates for 130 selected causes by race: United States, 2001 94
33. Number of infant and neonatal deaths and mortality rates, by race for the United States, each State, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, and by sex for the United States, 2001 97
34. Number of maternal deaths and maternal mortality rates for selected causes by race: United States, 2001 98
35. Number of maternal deaths and maternal mortality rates for selected causes, by Hispanic origin and race for non-Hispanic population: United States, 2001 99

Table 1. Number of deaths, death rates, and age-adjusted death rates, by race and sex: United States, 1940, 1950, 1960, 1970, and 1980-2001

[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; see Technical Notes. 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 on censuses and surveys; see Technical Notes]

Year	All races [1]			White			Black			American Indian [2]			Asian or Pacific Islander [3]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
								Number							
2001	2,416,425	1,183,421	1,233,004	2,079,691	1,011,218	1,068,473	287,709	145,908	141,801	11,977	6,466	5,511	37,048	19,829	17,219
2000	2,403,351	1,177,578	1,225,773	2,071,287	1,007,191	1,064,096	285,826	145,184	140,642	11,363	6,185	5,178	34,875	19,018	15,857
1999	2,391,399	1,175,460	1,215,939	2,061,348	1,005,335	1,056,013	285,064	145,703	139,361	11,312	6,092	5,220	33,675	18,330	15,345
1998	2,337,256	1,157,260	1,179,996	2,015,984	990,190	1,025,794	278,440	143,417	135,023	10,845	5,994	4,851	31,987	17,659	14,328
1997	2,314,245	1,154,039	1,160,206	1,996,393	986,884	1,009,509	276,520	144,110	132,410	10,576	5,985	4,591	30,756	17,060	13,696
1996	2,314,690	1,163,569	1,151,121	1,992,966	991,984	1,000,982	282,089	149,472	132,617	10,127	5,563	4,564	29,508	16,550	12,958
1995	2,312,132	1,172,959	1,139,173	1,987,437	997,277	990,160	286,401	154,175	132,226	9,997	5,574	4,423	28,297	15,933	12,364
1994	2,278,994	1,162,747	1,116,247	1,959,875	988,823	971,052	282,379	153,019	129,360	9,637	5,497	4,140	27,103	15,408	11,695
1993	2,268,553	1,161,797	1,106,756	1,951,437	988,329	963,108	282,151	153,502	128,649	9,579	5,434	4,145	25,386	14,532	10,854
1992	2,175,613	1,122,336	1,053,277	1,873,781	956,957	916,824	269,219	146,630	122,589	8,953	5,181	3,772	23,660	13,568	10,092
1991	2,169,518	1,121,665	1,047,853	1,868,904	956,497	912,407	269,525	147,331	122,194	8,621	4,948	3,673	22,173	12,727	9,446
1990	2,148,463	1,113,417	1,035,046	1,853,254	950,812	902,442	265,498	145,359	120,139	8,316	4,877	3,439	21,127	12,211	8,916
1989	2,150,466	1,114,190	1,036,276	1,853,841	950,852	902,989	267,642	146,393	121,249	8,614	5,066	3,548	20,042	11,688	8,354
1988	2,167,999	1,125,540	1,042,459	1,876,906	965,419	911,487	264,019	144,228	119,791	7,917	4,617	3,300	18,963	11,155	7,808
1987	2,123,323	1,107,958	1,015,365	1,843,067	953,382	889,685	254,814	139,551	115,263	7,602	4,432	3,170	17,689	10,496	7,193
1986	2,105,361	1,104,005	1,001,356	1,831,083	952,554	878,529	250,326	137,214	113,112	7,301	4,365	2,936	16,514	9,795	6,719
1985	2,086,440	1,097,758	988,682	1,819,054	950,455	868,599	244,207	133,610	110,597	7,154	4,181	2,973	15,887	9,441	6,446
1984	2,039,369	1,076,514	962,855	1,781,897	934,529	847,368	235,884	129,147	106,737	6,949	4,117	2,832	14,483	8,627	5,856
1983	2,019,201	1,071,923	947,278	1,765,582	931,779	833,803	233,124	127,911	105,213	6,839	4,064	2,775	13,554	8,126	5,428
1982	1,974,797	1,056,440	918,357	1,729,085	919,239	809,846	226,513	125,610	100,903	6,679	3,974	2,705	12,430	7,564	4,866
1981	1,977,981	1,063,772	914,209	1,731,233	925,490	805,743	228,560	127,296	101,264	6,608	4,016	2,592	11,475	6,908	4,567
1980	1,989,841	1,075,078	914,763	1,738,607	933,878	804,729	233,135	130,138	102,997	6,923	4,193	2,730	11,071	6,809	4,262
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							
2001	848.5	846.4	850.4	895.1	881.9	907.9	773.5	823.9	727.7	392.1	424.2	360.2	303.8	335.0	274.4
2000 [4]	854.0	853.0	855.0	900.2	887.8	912.3	781.1	834.1	733.0	380.8	415.6	346.1	296.6	332.9	262.3
1999 [4]	857.0	859.2	854.9	901.4	892.1	910.4	788.1	847.4	734.3	399.3	431.8	367.1	296.8	333.2	262.5
1998 [4]	847.3	856.4	838.5	889.5	887.3	891.6	782.3	848.2	722.6	397.8	441.9	354.2	293.8	335.4	254.9
1997 [4]	848.8	864.6	833.6	889.1	893.3	885.0	789.9	867.1	720.1	402.7	458.2	347.7	294.1	336.8	253.9
1996 [4]	859.2	882.8	836.7	896.0	907.1	885.3	819.7	915.3	733.3	399.5	441.5	358.0	294.4	340.2	251.1
1995 [4]	868.3	900.8	837.2	901.8	921.0	883.2	846.2	960.2	743.2	409.4	459.4	360.1	294.6	341.4	250.4
1994 [4]	866.1	904.2	829.7	897.8	922.6	873.8	849.0	970.2	739.7	408.2	468.8	348.3	294.6	344.0	247.7
1993 [4]	872.8	915.0	832.5	902.7	931.8	874.6	864.6	992.2	749.6	419.8	479.6	360.7	288.0	338.1	240.3
1992 [4]	848.1	896.1	802.4	875.8	912.2	840.8	841.8	967.6	728.6	406.6	474.1	340.0	282.1	331.1	235.3
1991 [4]	857.6	908.8	808.7	883.2	922.7	845.2	861.4	994.8	741.4	405.3	468.9	342.7	278.7	326.9	232.4
1990	863.8	918.4	812.0	888.0	930.9	846.9	871.0	1,008.0	747.9	402.8	476.4	330.4	283.3	334.3	234.3
1989	871.3	926.3	818.9	893.2	936.5	851.8	887.9	1,026.7	763.2	430.5	510.7	351.3	280.9	334.5	229.4
1988	886.7	945.1	831.2	910.5	957.9	865.3	888.3	1,026.1	764.6	411.7	485.0	339.9	282.0	339.0	227.4
1987	876.4	939.3	816.7	900.1	952.7	849.8	868.9	1,006.2	745.7	410.7	483.8	339.0	278.9	338.3	222.0
1986	876.7	944.7	812.3	900.1	958.6	844.3	864.9	1,002.6	741.5	409.5	494.9	325.9	276.2	335.1	219.9
1985	876.9	948.6	809.1	900.4	963.6	840.1	854.8	989.3	734.2	416.4	492.5	342.5	283.4	344.6	224.9
1984	864.8	938.8	794.7	887.8	954.1	824.6	836.1	968.5	717.4	419.6	502.7	338.4	275.9	336.5	218.1
1983	863.7	943.2	788.4	885.4	957.7	816.4	836.6	971.2	715.9	428.5	515.1	343.9	276.1	339.1	216.1
1982	852.4	938.4	771.2	873.1	951.8	798.2	823.4	966.2	695.5	434.5	522.9	348.1	271.3	338.3	207.4
1981	862.0	954.0	775.0	880.4	965.2	799.8	842.4	992.6	707.7	445.6	547.9	345.6	272.3	336.2	211.5
1980	878.3	976.9	785.3	892.5	983.3	806.1	875.4	1,034.1	733.3	487.4	597.1	380.1	296.9	375.3	222.5
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 1980-2001 - 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; see Technical Notes. 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 on censuses and surveys; see Technical Notes]

Year	All races [1]			White			Black			American Indian [2]			Asian or Pacific Islander [3]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	Age-adjusted death rate [5]														
2001	854.5	1,029.1	721.8	836.5	1,006.1	706.7	1,101.2	1,375.0	912.5	686.7	798.9	594.0	492.1	597.4	412.0
2000 [4]	869.0	1,053.8	731.4	849.8	1,029.4	715.3	1,121.4	1,403.5	927.6	709.3	841.5	604.5	506.4	624.2	416.8
1999 [4]	875.6	1,067.0	734.0	854.6	1,040.0	716.6	1,135.7	1,432.6	933.6	780.9	925.9	668.2	519.7	641.2	427.5
1998 [4]	870.6	1,069.4	724.7	849.3	1,042.0	707.3	1,127.8	1,430.5	921.6	770.4	943.9	640.5	522.4	646.9	426.7
1997 [4]	878.1	1,088.1	725.6	855.7	1,059.1	707.8	1,139.8	1,458.8	922.1	774.0	974.8	625.3	531.8	660.2	432.6
1996 [4]	894.1	1,115.7	733.0	869.0	1,082.9	713.6	1,178.4	1,524.2	940.3	763.6	924.8	641.7	543.2	676.1	439.6
1995 [4]	909.8	1,143.9	739.4	882.3	1,107.5	718.7	1,213.9	1,585.7	955.9	771.2	932.0	643.9	554.8	693.4	446.7
1994 [4]	913.5	1,155.5	738.6	885.6	1,118.7	717.5	1,216.9	1,592.8	954.6	764.8	953.3	618.8	562.7	702.5	452.1
1993 [4]	926.1	1,177.3	745.9	897.0	1,138.9	724.1	1,241.2	1,632.2	969.5	796.4	1,006.3	641.6	565.8	709.9	450.4
1992 [4]	905.6	1,158.3	725.5	877.7	1,122.4	704.1	1,206.7	1,587.8	942.5	759.0	970.4	599.4	558.5	697.3	445.8
1991 [4]	922.3	1,180.5	738.2	893.2	1,143.1	716.1	1,235.4	1,626.1	963.3	763.9	970.6	608.3	566.2	703.4	453.2
1990	938.7	1,202.8	750.9	909.8	1,165.9	728.8	1,250.3	1,644.5	975.1	716.3	916.2	561.8	582.0	716.4	469.3
1989	950.5	1,215.0	761.8	920.2	1,176.6	738.8	1,275.5	1,670.1	998.1	761.6	999.8	586.3	581.3	729.6	458.4
1988	975.7	1,250.7	781.0	947.6	1,215.9	759.1	1,284.3	1,677.6	1,006.8	718.6	917.4	563.6	584.2	732.0	451.0
1987	970.0	1,246.1	774.2	943.4	1,213.4	753.3	1,263.1	1,650.3	989.7	719.8	899.3	583.7	577.3	732.4	448.1
1986	978.6	1,261.7	778.7	952.8	1,230.5	758.1	1,266.7	1,650.1	994.4	720.8	926.7	549.3	576.4	730.5	445.4
1985	988.1	1,278.1	784.5	963.6	1,249.8	764.3	1,261.2	1,634.5	994.4	731.7	926.1	577.2	586.5	755.4	456.7
1984	982.5	1,271.4	779.8	959.7	1,245.9	760.7	1,236.7	1,600.8	976.9	761.7	946.0	567.9	574.4	724.7	443.1
1983	990.0	1,284.5	783.3	967.3	1,259.4	763.9	1,240.5	1,600.7	980.7	757.3	945.0	605.5	565.1	718.8	428.8
1982	985.0	1,279.9	776.6	963.6	1,255.9	758.7	1,221.3	1,580.4	960.1	757.0	940.1	604.4	550.4	738.2	410.3
1981	1,007.1	1,308.2	792.7	984.0	1,282.2	773.6	1,258.4	1,626.6	986.6	784.6	1,030.2	588.0	544.7	710.3	405.3
1980	1,039.1	1,348.1	817.9	1,012.7	1,317.6	796.1	1,314.8	1,697.8	1,033.3	867.0	1,111.5	662.4	589.9	786.5	425.9
1970	1,222.6	1,542.1	971.4	1,193.3	1,513.7	944.0	1,518.1	1,873.9	1,228.7	---	---	---	---	---	---
1960	1,339.2	1,609.0	1,105.3	1,311.3	1,586.0	1,074.4	1,577.5	1,811.1	1,369.7	---	---	---	---	---	---
1950	1,446.0	1,674.2	1,236.0	1,410.8	1,642.5	1,198.0	---	---	---	---	---	---	---	---	---
1940	1,785.0	1,976.0	1,599.4	1,735.3	1,925.2	1,550.4	---	---	---	---	---	---	---	---	---

--- Data not available.
1 For 1940-91 includes deaths among races not shown separately; beginning in 1992 records coded as "other races" and records for which race was unknown, not stated, or not classifiable were assigned to the race of the previous record; see Technical Notes.
2 Includes Aleuts and Eskimos.
3 Includes Chinese, Filipino, Hawaiian, Japanese, and Other Asian or Pacific Islander.
4 Rates are revised and may differ from those previously published; see Technical Notes.
5 For method of computation, see Technical Notes.

Table 2. Number of deaths, death rates, and age-adjusted death rates, by Hispanic origin, race for non-Hispanic population, and sex: United States, 1997-2001

[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 2000 and are estimated as of July 1 for all other years; 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 on censuses and surveys; see Technical Notes]

Year	All origins [1]			Hispanic			Non-Hispanic [2]			Non-Hispanic White			Non-Hispanic Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
							Number								
2001	2,416,425	1,183,421	1,233,004	113,413	63,317	50,096	2,295,244	1,115,683	1,179,561	1,962,810	945,967	1,016,843	284,343	143,971	140,372
2000	2,403,351	1,177,578	1,225,773	107,254	60,172	47,082	2,287,846	1,112,704	1,175,142	1,959,919	944,781	1,015,138	282,676	143,297	139,379
1999	2,391,399	1,175,460	1,215,939	103,740	57,991	45,749	2,279,325	1,112,718	1,166,607	1,953,197	944,913	1,008,284	281,979	143,883	138,096
1998	2,337,256	1,157,260	1,179,996	98,406	55,821	42,585	2,230,127	1,096,677	1,133,450	1,912,802	931,844	980,958	275,264	141,627	133,637
1997	2,314,245	1,154,039	1,160,206	95,460	54,348	41,112	2,209,450	1,094,541	1,114,909	1,895,461	929,703	965,758	273,381	142,241	131,140
							Rate								
2001	848.5	846.4	850.4	306.8	332.9	279.0	926.2	923.6	928.6	991.1	975.6	1,006.1	798.1	849.7	751.2
2000 [3]	854.0	853.0	855.0	303.8	331.3	274.6	929.6	928.1	931.0	993.2	978.5	1,007.3	805.5	859.5	756.7
1999 [3]	857.0	859.2	854.9	305.7	332.6	277.2	929.9	932.2	927.8	990.7	979.6	1,001.3	812.1	872.8	757.3
1998 [3]	847.3	856.4	838.5	303.9	336.0	270.0	916.0	925.3	907.1	972.9	969.2	976.5	805.6	873.7	744.1
1997 [3]	848.8	864.6	833.6	309.0	343.2	272.9	913.9	930.4	898.3	967.4	970.6	964.3	813.5	892.9	741.9
							Age-adjusted death rate [4]								
2001	854.5	1,029.1	721.8	658.7	802.5	544.2	864.0	1,039.8	730.9	842.9	1,012.8	713.5	1,116.5	1,393.7	925.5
2000 [3]	869.0	1,053.8	731.4	665.7	818.1	546.0	877.9	1,063.8	740.0	855.5	1,035.4	721.5	1,137.0	1,422.0	941.2
1999 [3]	875.6	1,067.0	734.0	676.4	830.5	555.9	883.9	1,076.4	741.9	859.8	1,045.5	722.3	1,150.1	1,449.4	946.0
1998 [3]	870.6	1,069.4	724.7	665.4	833.6	536.9	878.4	1,078.2	732.4	854.1	1,046.7	712.8	1,141.8	1,448.2	932.9
1997 [3]	878.1	1,088.1	725.6	669.3	840.5	538.8	885.3	1,096.4	732.6	859.7	1,063.2	712.5	1,154.3	1,476.7	934.2

[1] Figures for origin not stated are included in "All origins" but are not distributed among specified origins.
[2] Includes races other than white and black.
[3] Rates are revised and may differ from rates previously published; see Technical Notes.
[4] For method of computation, see Technical Notes.

Table 3. Number of deaths and death rates, by age, race, and sex: United States, 2001

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; see Technical Notes. Data for specified races other than white and black should be interpreted with caution because of inconsistencies between reporting race on death certificates and on censuses and surveys; see Technical Notes]

Age	All races			White			Black			American Indian [1]			Asian or Pacific Islander [2]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
								Number							
All ages	2,416,425	1,183,421	1,233,004	2,079,691	1,011,218	1,068,473	287,709	145,908	141,801	11,977	6,466	5,511	37,048	19,829	17,219
Under 1 year	27,568	15,477	12,091	17,955	10,099	7,856	8,498	4,764	3,734	373	211	162	742	403	339
1 - 4 years	5,108	2,900	2,208	3,671	2,095	1,576	1,181	672	509	103	52	51	153	81	72
5 - 9 years	3,092	1,726	1,366	2,249	1,231	1,018	700	409	291	44	29	15	99	57	42
10 - 14 years	4,002	2,441	1,561	2,920	1,782	1,138	887	551	336	85	46	39	110	62	48
15 - 19 years	13,555	9,766	3,789	10,235	7,264	2,971	2,710	2,080	630	273	186	87	337	236	101
20 - 24 years	18,697	14,197	4,500	13,513	10,265	3,248	4,437	3,399	1,038	284	214	70	463	319	144
25 - 29 years	18,211	13,006	5,205	12,988	9,381	3,607	4,467	3,117	1,350	265	194	71	491	314	177
30 - 34 years	23,472	15,751	7,721	17,006	11,597	5,409	5,561	3,556	2,005	331	223	108	574	375	199
35 - 39 years	36,895	23,727	13,168	27,238	17,880	9,358	8,385	5,022	3,363	531	355	176	741	470	271
40 - 44 years	54,779	34,437	20,342	40,899	26,363	14,536	12,302	7,113	5,189	601	367	234	977	594	383
45 - 49 years	73,684	46,567	27,117	55,634	35,774	19,860	15,867	9,495	6,372	747	437	310	1,436	861	575
50 - 54 years	94,381	58,281	36,100	73,065	45,629	27,436	18,651	11,099	7,552	812	503	309	1,853	1,050	803
55 - 59 years	109,523	65,801	43,722	87,807	53,120	34,687	18,852	10,984	7,868	821	475	346	2,043	1,222	821
60 - 64 years	134,616	79,157	55,459	110,046	65,233	44,813	21,124	11,921	9,203	947	529	418	2,499	1,474	1,025
65 - 69 years	178,232	102,110	76,122	148,608	86,088	62,520	25,367	13,763	11,604	1,060	546	514	3,197	1,713	1,484
70 - 74 years	252,728	139,471	113,257	218,520	121,705	96,815	29,012	15,012	14,000	1,146	619	527	4,050	2,135	1,915
75 - 79 years	333,677	171,311	162,366	295,048	152,517	142,531	32,590	15,616	16,974	1,148	547	601	4,891	2,631	2,260
80 - 84 years	368,252	169,431	198,821	332,704	153,761	178,943	29,643	12,779	16,864	998	436	562	4,907	2,455	2,452
85 years and over	665,531	217,533	447,998	609,265	199,179	410,086	47,387	14,489	32,898	1,402	492	910	7,477	3,373	4,104
Not stated	422	331	91	320	255	65	88	67	21	6	5	1	8	4	4
								Rate							
All ages [3]	848.5	846.4	850.4	895.1	881.9	907.9	773.5	823.9	727.7	392.1	424.2	360.2	303.8	335.0	274.4
Under 1 year [4]	683.4	749.8	613.9	570.9	627.6	511.5	1,304.5	1,426.4	1,176.3	650.4	720.2	577.5	412.5	438.8	385.0
1 - 4 years	33.3	37.0	29.5	30.7	34.2	27.1	47.5	53.2	41.7	48.0	47.6	48.5	22.3	23.5	21.1
5 - 9 years	15.3	16.7	13.9	14.3	15.3	13.3	20.7	23.8	17.5	15.5	20.2	*	11.6	13.1	10.1
10 - 14 years	19.2	22.8	15.3	17.9	21.3	14.4	25.8	31.6	19.8	28.0	29.8	26.0	12.8	14.0	11.5
15 - 19 years	66.9	93.7	38.5	64.2	88.3	38.5	86.3	130.4	40.8	94.5	125.7	61.7	38.0	52.1	23.3
20 - 24 years	95.0	141.1	46.8	87.1	128.2	43.2	151.3	236.3	69.4	111.7	162.2	57.2	47.6	65.8	29.5
25 - 29 years	96.2	135.6	55.8	87.0	122.4	49.6	168.8	247.0	97.5	117.1	165.9	65.0	43.9	57.3	31.0
30 - 34 years	113.5	151.2	75.2	102.7	137.4	66.6	200.5	271.0	137.3	146.8	194.4	97.5	50.8	67.4	34.7
35 - 39 years	165.9	213.7	118.2	151.2	196.7	104.9	286.0	364.1	216.6	222.9	298.4	147.6	69.9	91.3	49.7
40 - 44 years	240.5	304.8	177.2	218.8	281.4	155.9	428.4	527.8	340.6	260.0	325.0	197.8	99.7	126.9	74.8
45 - 49 years	354.8	455.4	257.2	322.8	417.1	229.4	644.1	830.2	482.8	377.0	454.4	304.1	164.2	211.1	123.3
50 - 54 years	512.4	646.8	383.7	471.4	595.5	350.1	928.5	1,201.4	696.2	500.9	637.3	371.5	247.6	303.7	199.4
55 - 59 years	771.8	958.4	596.9	723.2	896.0	558.4	1,328.9	1,718.2	1,009.5	718.6	859.2	586.7	395.5	503.9	299.6
60 - 64 years	1,210.7	1,496.8	951.3	1,156.1	1,427.9	905.3	1,891.7	2,424.6	1,472.5	1,140.8	1,321.5	972.5	624.1	782.0	483.7
65 - 69 years	1,869.7	2,315.6	1,485.9	1,805.8	2,237.6	1,426.7	2,738.8	3,497.3	2,178.4	1,728.7	1,924.2	1,560.3	1,012.3	1,219.5	846.3
70 - 74 years	2,878.3	3,587.4	2,314.8	2,823.2	3,513.9	2,263.9	3,904.2	5,053.2	3,138.8	2,539.2	3,049.6	2,122.0	1,606.0	1,998.2	1,317.6
75 - 79 years	4,494.0	5,603.2	3,717.6	4,446.8	5,543.5	3,669.9	5,660.2	7,255.7	4,707.8	3,607.9	4,104.4	3,250.1	2,683.3	3,391.3	2,158.7
80 - 84 years	7,151.9	8,781.9	6,175.1	7,149.4	8,771.1	6,169.3	8,028.9	10,256.3	6,894.3	5,237.5	6,007.2	4,763.9	4,579.6	5,527.3	3,908.6
85 years and over	15,112.8	16,744.8	14,429.9	15,287.5	16,935.4	14,597.6	14,550.8	16,439.9	13,849.9	8,897.1	9,758.0	8,492.0	9,714.8	11,308.9	8,706.2

* Figure does not meet standards of reliability or precision; see Technical Notes.
[1] Includes Aleuts and Eskimos.
[2] Includes Chinese, Filipino, Hawaiian, Japanese, and Other Asian or Pacific Islander.
[3] Figures for age not stated are included in "All ages" but not distributed among age groups.
[4] Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see Technical Notes.

Table 4. Number of deaths and death rates by Hispanic origin, race for non-Hispanic population, age, and sex: United States, 2001

[Rates per 100,000 population in specified group; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes]

	All origins[1]			Hispanic			Non-Hispanic[2]			Non-Hispanic White			Non-Hispanic Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
								Number							
All ages	2,416,425	1,183,421	1,233,004	113,413	63,317	50,096	2,295,244	1,115,683	1,179,561	1,962,810	945,967	1,016,843	284,343	143,971	140,372
Under 1 year	27,568	15,477	12,091	4,680	2,601	2,079	22,629	12,739	9,890	13,311	7,508	5,803	8,277	4,651	3,626
1 - 4 years	5,108	2,900	2,208	917	518	399	4,172	2,372	1,800	2,773	1,593	1,180	1,156	655	501
5 - 9 years	3,092	1,726	1,366	480	281	199	2,598	1,437	1,161	1,776	956	820	685	400	285
10 - 14 years	4,002	2,441	1,561	558	319	239	3,434	2,116	1,318	2,374	1,471	903	872	541	331
15 - 19 years	13,555	9,766	3,789	1,998	1,530	468	11,508	8,197	3,311	8,264	5,756	2,508	2,662	2,041	621
20 - 24 years	18,697	14,197	4,500	3,060	2,489	571	15,551	11,639	3,912	10,466	7,786	2,680	4,362	3,336	1,026
25 - 29 years	18,211	13,006	5,205	2,863	2,223	640	15,252	10,715	4,537	10,130	7,168	2,962	4,388	3,056	1,332
30 - 34 years	23,472	15,751	7,721	2,934	2,143	791	20,404	13,510	6,894	14,061	9,445	4,616	5,471	3,492	1,979
35 - 39 years	36,895	23,727	13,168	3,859	2,739	1,120	32,857	20,859	11,998	23,334	15,102	8,232	8,287	4,959	3,328
40 - 44 years	54,779	34,437	20,342	4,582	3,156	1,426	49,906	31,059	18,847	36,212	23,111	13,101	12,149	7,012	5,137
45 - 49 years	73,684	46,567	27,117	5,397	3,655	1,742	67,927	42,656	25,271	50,151	32,045	18,106	15,657	9,354	6,303
50 - 54 years	94,381	58,281	36,100	5,965	3,822	2,143	87,989	54,159	33,830	66,935	41,686	25,249	18,441	10,953	7,488
55 - 59 years	109,523	65,801	43,722	6,114	3,760	2,354	102,952	61,716	41,236	81,505	49,212	32,293	18,646	10,845	7,801
60 - 64 years	134,616	79,157	55,459	7,223	4,266	2,957	126,860	74,498	52,362	102,604	60,781	41,823	20,877	11,755	9,122
65 - 69 years	178,232	102,110	76,122	8,910	5,129	3,781	168,796	96,644	72,152	139,503	80,805	58,698	25,103	13,617	11,486
70 - 74 years	252,728	139,471	113,257	11,262	6,102	5,160	240,704	132,895	107,809	206,886	115,353	91,533	28,700	14,829	13,871
75 - 79 years	333,677	171,311	162,366	12,560	6,535	6,025	320,213	164,283	155,930	282,018	145,725	136,293	32,243	15,429	16,814
80 - 84 years	368,252	169,431	198,821	11,077	5,224	5,853	356,299	163,796	192,503	321,125	148,288	172,837	29,349	12,654	16,695
85 years and over	665,531	217,533	447,998	18,907	6,767	12,140	645,020	210,256	434,764	589,269	192,084	397,185	46,968	14,352	32,616
Not stated	422	331	91	67	58	9	173	137	36	113	92	21	50	40	10
								Rate							
All ages[3]	848.5	846.4	850.4	306.8	332.9	279.0	926.2	923.6	928.6	991.1	975.6	1,006.1	798.1	849.7	751.2
Under 1 year[4]	683.4	749.8	613.9	572.7	624.4	518.9	703.5	773.2	630.4	555.4	611.6	496.4	1,354.4	1,484.2	1,217.8
1 - 4 years	33.3	37.0	29.5	30.6	33.8	27.2	33.8	37.6	29.9	30.1	33.8	26.3	49.5	55.1	43.6
5 - 9 years	15.3	16.7	13.9	13.0	14.9	11.0	15.8	17.0	14.4	14.5	15.2	13.7	21.4	24.6	18.1
10 - 14 years	19.2	22.8	15.3	16.6	18.6	14.5	19.6	23.6	15.4	18.0	21.7	14.1	26.6	32.5	20.5
15 - 19 years	66.9	93.7	38.5	63.1	92.0	31.1	67.3	93.6	39.7	63.4	86.1	39.6	88.7	133.9	42.0
20 - 24 years	95.0	141.1	46.8	86.9	128.2	36.1	96.2	143.3	48.7	85.4	125.6	44.3	156.7	244.7	72.2
25 - 29 years	96.2	135.6	55.8	80.6	115.2	39.4	99.2	139.8	58.8	87.2	122.4	51.4	174.9	255.7	101.4
30 - 34 years	113.5	151.2	75.2	88.7	121.1	51.3	117.5	156.2	79.1	104.4	139.3	69.0	207.1	279.6	142.2
35 - 39 years	165.9	213.7	118.2	129.5	175.5	79.0	170.6	218.5	123.4	153.1	197.9	108.2	294.6	375.1	223.2
40 - 44 years	240.5	304.8	177.2	185.3	249.0	118.3	245.8	309.6	183.5	220.9	282.4	159.7	438.1	538.9	349.0
45 - 49 years	354.8	455.4	257.2	280.9	379.7	181.7	360.4	460.5	263.6	324.7	417.3	233.1	656.8	846.0	493.1

See footnotes at end of table.

Table 4. Number of deaths and death rates by Hispanic origin, race for non-Hispanic population, age, and sex: United States, 2001 - Con.

[Rates per 100,000 population in specified group; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes]

	All origins[1]			Hispanic			Non-Hispanic[2]			Non-Hispanic White			Non-Hispanic Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	Rate														
50 - 54 years	512.4	646.8	383.7	403.9	529.6	283.8	519.3	653.3	391.0	474.0	596.5	353.9	946.1	1,222.7	710.9
55 - 59 years	771.8	958.4	596.9	580.6	751.2	426.0	783.7	969.6	608.9	730.8	901.6	567.1	1,351.9	1,746.2	1,028.9
60 - 64 years	1,210.7	1,496.8	951.3	910.1	1,158.6	695.1	1,228.7	1,514.1	968.9	1,169.7	1,439.8	919.2	1,920.5	2,456.8	1,498.8
65 - 69 years	1,869.7	2,315.6	1,485.9	1,412.8	1,817.5	1,085.0	1,896.2	2,341.5	1,511.2	1,827.4	2,256.8	1,448.1	2,777.9	3,547.9	2,209.4
70 - 74 years	2,878.3	3,587.4	2,314.8	2,229.5	2,791.5	1,800.8	2,908.7	3,621.9	2,340.5	2,849.2	3,543.1	2,285.2	3,951.1	5,105.6	3,182.0
75 - 79 years	4,494.0	5,603.2	3,717.6	3,556.3	4,456.8	2,917.0	4,528.0	5,644.0	3,747.4	4,476.8	5,580.2	3,695.5	5,712.5	7,313.8	4,756.8
80 - 84 years	7,151.9	8,781.9	6,175.1	5,501.5	6,783.5	4,707.4	7,201.4	8,842.8	6,219.1	7,196.1	8,828.0	6,211.0	8,098.0	10,346.7	6,952.7
85 years and over	15,112.8	16,744.8	14,429.9	11,821.8	12,888.3	11,300.5	15,199.0	16,866.3	14,505.6	15,371.2	17,055.3	14,670.6	14,660.8	16,576.2	13,951.4

1 Figures for origin not stated are included in "All origins" but not distributed among specified origins.
2 Includes races other than white and black.
3 Figures for age not stated are included in "All ages" but not distributed among age groups.
4 Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see Technical Notes.

Table 5. Number of deaths and death rates by age, and age-adjusted death rates, according to specified Hispanic origin, race for non-Hispanic population, and sex: United States, 2001

[Rates per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates for all origins, Hispanic, non-Hispanic, non-Hispanic white, and non-Hispanic black are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; populations used for computing death rates for Mexican, Puerto Rican, Cuban, Central and South American, and other and unknown Hispanic are based on the Current Population Survey adjusted to resident population control totals. The control totals are 2000-based population estimates for the United States for July 1, 2001; 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 on censuses and surveys; see Technical Notes]

Hispanic origin, race for non-Hispanic population, and sex	All ages	Under 1 year [1]	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 [2]
							Number							
All origins	2,416,425	27,568	5,108	7,094	32,252	41,683	91,674	168,065	244,139	430,960	701,929	665,531	422	. . .
Male	1,183,421	15,477	2,900	4,167	23,963	28,757	58,164	104,848	144,958	241,581	340,742	217,533	331	. . .
Female	1,233,004	12,091	2,208	2,927	8,289	12,926	33,510	63,217	99,181	189,379	361,187	447,998	91	. . .
Hispanic	113,413	4,680	917	1,038	5,058	5,797	8,441	11,362	13,337	20,172	23,637	18,907	67	. . .
Male	63,317	2,601	518	600	4,019	4,366	5,895	7,477	8,026	11,231	11,759	6,767	58	. . .
Female	50,096	2,079	399	438	1,039	1,431	2,546	3,885	5,311	8,941	11,878	12,140	9	. . .
Mexican	63,496	3,312	680	743	3,592	3,709	4,751	6,419	7,397	11,133	12,674	9,061	25	. . .
Male	36,528	1,822	377	422	2,908	2,881	3,384	4,238	4,440	6,124	6,456	3,455	21	. . .
Female	26,968	1,490	303	321	684	828	1,367	2,181	2,957	5,009	6,218	5,606	4	. . .
Puerto Rican	14,920	467	60	103	442	664	1,359	1,914	2,206	2,767	2,833	2,102	3	. . .
Male	8,269	268	33	63	337	442	909	1,263	1,343	1,541	1,354	713	3	. . .
Female	6,651	199	27	40	105	222	450	651	863	1,226	1,479	1,389	-	. . .
Cuban	11,666	46	13	16	71	131	332	561	1,070	2,297	3,460	3,668	1	. . .
Male	5,892	25	11	11	48	96	235	378	711	1,383	1,752	1,241	1	. . .
Female	5,774	21	2	5	23	35	97	183	359	914	1,708	2,427	-	. . .
Central and South American	10,884	398	82	95	602	821	1,116	1,282	1,357	1,838	1,874	1,417	2	. . .
Male	5,727	234	46	56	464	611	734	773	748	909	760	390	2	. . .
Female	5,157	164	36	39	138	210	382	509	609	929	1,114	1,027	-	. . .
Other and unknown Hispanic	12,447	457	82	81	351	472	883	1,186	1,307	2,137	2,796	2,659	36	. . .
Male	6,901	252	51	48	262	336	633	825	784	1,274	1,437	968	31	. . .
Female	5,546	205	31	33	89	136	250	361	523	863	1,359	1,691	5	. . .
Non-Hispanic [3]	2,295,244	22,629	4,172	6,032	27,059	35,656	82,763	155,916	229,812	409,500	676,512	645,020	173	. . .
Male	1,115,683	12,739	2,372	3,553	19,836	24,225	51,918	96,815	136,214	229,539	328,079	210,256	137	. . .
Female	1,179,561	9,890	1,800	2,479	7,223	11,431	30,845	59,101	93,598	179,961	348,433	434,764	36	. . .
White	1,962,810	13,311	2,773	4,150	18,730	24,191	59,546	117,086	184,109	346,389	603,143	589,269	113	. . .
Male	945,967	7,508	1,593	2,427	13,542	16,613	38,213	73,731	109,993	196,158	294,013	192,084	92	. . .
Female	1,016,843	5,803	1,180	1,723	5,188	7,578	21,333	43,355	74,116	150,231	309,130	397,185	21	. . .
Black	284,343	8,277	1,156	1,557	7,024	9,859	20,436	34,098	39,523	53,803	61,592	46,968	50	. . .
Male	143,971	4,651	655	941	5,377	6,548	11,971	20,307	22,600	28,446	28,083	14,352	40	. . .
Female	140,372	3,626	501	616	1,647	3,311	8,465	13,791	16,923	25,357	33,509	32,616	10	. . .
Not stated [4]	7,768	259	19	24	135	230	470	787	990	1,288	1,780	1,604	182	. . .
Male	4,421	137	10	14	108	166	351	556	718	811	904	510	136	. . .
Female	3,347	122	9	10	27	64	119	231	272	477	876	1,094	46	. . .
							Rate [5]							
All origins [6]	848.5	683.4	33.3	17.3	80.7	105.2	203.6	428.9	964.6	2,353.3	5,582.4	15,112.8	. . .	854.5
Male	846.4	749.8	37.0	19.8	117.0	143.7	259.6	545.1	1,192.7	2,911.5	6,833.0	16,744.8	. . .	1,029.1
Female	850.4	613.9	29.5	14.6	42.6	66.0	148.2	316.8	754.0	1,890.8	4,760.5	14,429.9	. . .	721.8
Hispanic	306.8	572.7	30.6	14.7	75.6	84.5	154.8	334.4	722.2	1,776.0	4,262.6	11,821.8	. . .	658.7
Male	332.9	624.4	33.8	16.6	111.5	118.0	208.5	443.9	923.9	2,242.6	5,258.0	12,888.3	. . .	802.5
Female	279.0	518.9	27.2	12.7	33.7	45.2	97.0	226.7	543.0	1,408.0	3,589.8	11,300.5	. . .	544.2
Mexican	258.1	521.5	30.7	15.0	77.3	78.8	142.7	307.6	702.7	1,862.0	4,399.9	10,778.9	. . .	645.9
Male	282.8	550.0	33.7	16.5	115.2	111.4	189.0	396.6	882.1	2,228.9	5,262.6	*	. . .	779.0
Female	230.8	490.5	27.6	13.4	32.2	39.0	88.9	214.2	538.3	1,550.1	3,759.9	9,989.8	. . .	536.2
Puerto Rican	460.3	*	27.8	16.3	84.4	128.7	267.4	517.3	1,050.6	1,859.3	5,539.0	*	. . .	821.1
Male	537.6	*	*	20.3	127.0	183.4	373.2	767.3	1,424.5	2,671.7	*	*	. . .	1,029.1
Female	390.5	*	*	12.4	40.7	80.7	170.0	317.0	745.9	1,345.2	*	*	. . .	667.6

See footnotes at end of table.

Table 5. Number of deaths and death rates by age, and age-adjusted death rates, according to specified Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[Rates per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates for all origins, Hispanic, non-Hispanic, non-Hispanic white, and non-Hispanic black are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; populations used for computing death rates for Mexican, Puerto Rican, Cuban, Central and South American, and other and unknown Hispanic are based on the Current Population Survey adjusted to resident population control totals. The control totals are 2000-based population estimates for the United States for July 1, 2001; 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 on censuses and surveys; see Technical Notes]

Hispanic origin, race for non-Hispanic population, and sex	All ages	Under 1 year [1]	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 [2]
	Rate [5]													
Hispanic - Con.														
Cuban	860.5	*	*	*	44.8	74.8	154.9	318.7	693.1	1,482.8	3,727.8	*	. . .	590.9
Male	861.9	*	*	*	58.6	94.7	199.7	428.0	1,010.4	1,849.0	*	*	. . .	*
Female	859.1	*	*	*	*	*	100.3	208.7	427.3	1,140.9	3,047.2	*	. . .	450.6
Other Hispanic [7]	300.0	716.5	31.7	13.2	69.9	88.3	142.7	322.5	620.0	1,697.3	3,811.8	*	. . .	677.2
Male	325.4	865.5	35.3	15.8	99.0	122.9	202.2	440.4	763.4	2,333.0	*	*	. . .	747.6
Female	274.7	584.0	27.6	10.6	36.1	49.9	87.2	216.2	494.4	1,274.3	3,112.5	*	. . .	649.6
Non-Hispanic [3]	926.2	703.5	33.8	17.7	81.4	108.9	209.2	435.6	979.5	2,383.9	5,628.5	15,199.0	. . .	864.0
Male	923.6	773.2	37.6	20.4	117.5	148.5	265.2	551.6	1,207.0	2,944.1	6,888.0	16,866.3	. . .	1,039.8
Female	928.6	630.4	29.9	14.9	44.1	69.6	154.3	324.0	768.7	1,918.4	4,801.8	14,505.6	. . .	730.9
White	991.1	555.4	30.1	16.3	74.1	96.4	188.3	396.0	924.0	2,325.5	5,604.4	15,371.2	. . .	842.9
Male	975.6	611.6	33.8	18.6	105.1	131.5	241.6	502.6	1,136.3	2,869.4	6,851.5	17,055.3	. . .	1,012.8
Female	1,006.1	496.4	26.3	13.9	41.9	60.9	134.9	291.0	723.5	1,864.1	4,777.3	14,670.6	. . .	713.5
Black	798.1	1,354.4	49.5	24.0	121.4	191.5	365.8	786.9	1,602.5	3,300.7	6,645.3	14,660.8	. . .	1,116.5
Male	849.7	1,484.2	55.1	28.6	186.2	267.9	456.3	1,014.6	2,055.4	4,218.9	8,426.8	16,576.2	. . .	1,393.7
Female	751.2	1,217.8	43.6	19.3	56.8	122.4	285.7	591.5	1,238.2	2,653.0	5,645.1	13,951.4	. . .	925.5

. . . Category not applicable.
- Quantity zero.
* Figure does not meet standards of reliability or precision; see Technical Notes.
1 Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see Technical Notes.
2 For method of computation, see Technical Notes.
3 Includes races other than white and black.
4 Includes deaths for which Hispanic origin was not reported on the death certificate.
5 Figures for age not stated are included in "All ages" but not distributed among age groups.
6 Figures for origin not stated are included in "All origins" but not distributed among specified origins.
7 Includes Central and South American and Other and unknown Hispanic.

Table 6. Abridged life table for the total population, 2001

[For explanation of the columns of the life table, see *United States Abridged Life Tables, 2000,* National Vital Statistics Reports, Volume 51, Number 3]

Age	Probability of dying between ages x to $x+n$	Number surviving to age x	Number dying between ages x to $x+n$	Person-years lived between ages x to $x+n$	Total number of person-years lived above age x	Expectancy of life at age x
	$_nq_x$	l_x	$_nd_x$	$_nL_x$	T_x	e_x
0-1	0.00684	100,000	684	99,404	7,716,990	77.2
1-5	0.00133	99,316	132	396,950	7,617,586	76.7
5-10	0.00077	99,184	76	495,723	7,220,636	72.8
10-15	0.00096	99,108	95	495,329	6,724,913	67.9
15-20	0.00334	99,012	330	494,375	6,229,584	62.9
20-25	0.00474	98,682	468	492,242	5,735,209	58.1
25-30	0.00480	98,214	471	489,911	5,242,967	53.4
30-35	0.00567	97,743	554	487,395	4,753,057	48.6
35-40	0.00824	97,189	801	484,069	4,265,662	43.9
40-45	0.01198	96,388	1,154	479,237	3,781,593	39.2
45-50	0.01766	95,234	1,682	472,212	3,302,356	34.7
50-55	0.02537	93,552	2,373	462,194	2,830,144	30.3
55-60	0.03810	91,179	3,474	447,822	2,367,950	26.0
60-65	0.05913	87,705	5,186	426,352	1,920,129	21.9
65-70	0.08964	82,519	7,397	395,107	1,493,777	18.1
70-75	0.13455	75,122	10,107	351,564	1,098,670	14.6
75-80	0.20295	65,014	13,195	293,351	747,106	11.5
80-85	0.30639	51,820	15,877	220,319	453,756	8.8
85-90	0.44924	35,943	16,147	138,485	233,436	6.5
90-95	0.60144	19,796	11,906	66,838	94,952	4.8
95-100	0.74084	7,890	5,845	22,602	28,114	3.6
100 and over	1.00000	2,045	2,045	5,512	5,512	2.7

Table 7. Life expectancy at selected ages by race and sex: United States, 2001

Exact age in years	All races[1]			White			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
0	77.2	74.4	79.8	77.7	75.0	80.2	72.2	68.6	75.5
1	76.7	74.0	79.3	77.1	74.5	79.6	72.2	68.6	75.4
5	72.8	70.1	75.4	73.2	70.6	75.7	68.3	64.8	71.5
10	67.9	65.2	70.4	68.3	65.6	70.8	63.4	59.8	66.6
15	52.9	60.2	65.5	63.3	60.7	65.8	58.5	54.9	61.7
20	58.1	55.5	60.6	58.5	56.0	60.9	53.7	50.3	56.8
25	53.4	50.9	55.7	53.8	51.3	56.1	49.1	45.8	52.0
30	48.6	46.2	50.9	49.0	46.6	51.2	44.5	41.4	47.2
35	43.9	41.5	46.0	44.2	41.9	46.3	39.9	36.9	42.5
40	39.2	37.0	41.3	39.5	37.3	41.6	35.5	32.5	38.0
45	34.7	32.5	36.6	34.9	32.8	36.9	31.2	28.4	33.6
50	30.3	28.2	32.1	30.5	28.4	32.3	27.1	24.4	29.3
55	26.0	24.0	27.7	26.1	24.2	27.8	23.3	20.8	25.3
60	21.9	20.1	23.4	22.0	20.2	23.5	19.7	17.5	21.5
65	18.1	16.4	19.4	18.2	16.5	19.5	16.4	14.4	17.9
70	14.6	13.1	15.7	14.6	13.2	15.7	13.5	11.7	14.7
75	11.5	10.2	12.4	11.5	10.2	12.3	10.8	9.3	11.7
80	8.8	7.7	9.4	8.7	7.7	9.3	8.6	7.3	9.2
85	6.5	5.7	6.9	6.4	5.6	6.7	6.7	5.7	7.0
90	4.8	4.2	5.0	4.6	4.1	4.8	5.1	4.5	5.3
95	3.6	3.2	3.7	3.4	3.0	3.4	3.9	3.6	4.0
100	2.7	2.5	2.8	2.4	2.3	2.5	3.0	2.9	3.0

[1] Includes races other than white and black.

Table 8. Life expectancy at birth by race and sex: United States, 1940, 1950, 1960, 1970 and 1975-2001

Year	All races[1]			White			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
2001	77.2	74.4	79.8	77.7	75.0	80.2	72.2	68.6	75.5
2000[2]	77.0	74.3	79.7	77.6	74.9	80.1	71.9	68.3	75.2
1999	76.7	73.9	79.4	77.3	74.6	79.9	71.4	67.8	74.7
1998	76.7	73.8	79.5	77.3	74.5	80.0	71.3	67.6	74.8
1997	76.5	73.6	79.4	77.1	74.3	79.9	71.1	67.2	74.7
1996	76.1	73.1	79.1	76.8	73.9	79.7	70.2	66.1	74.2
1995	75.8	72.5	78.9	76.5	73.4	79.6	69.6	65.2	73.9
1994	75.7	72.4	79.0	76.5	73.3	79.6	69.5	64.9	73.9
1993	75.5	72.2	78.8	76.3	73.1	79.5	69.2	64.6	73.7
1992	75.8	72.3	79.1	76.5	73.2	79.8	69.6	65.0	73.9
1991	75.5	72.0	78.9	76.3	72.9	79.6	69.3	64.6	73.8
1990	75.4	71.8	78.8	76.1	72.7	79.4	69.1	64.5	73.6
1989	75.1	71.7	78.5	75.9	72.5	79.2	68.8	64.3	73.3
1988	74.9	71.4	78.3	75.6	72.2	78.9	68.9	64.4	73.2
1987	74.9	71.4	78.3	75.6	72.1	78.9	69.1	64.7	73.4
1986	74.7	71.2	78.2	75.4	71.9	78.8	69.1	64.8	73.4
1985	74.7	71.1	78.2	75.3	71.8	78.7	69.3	65.0	73.4
1984	74.7	71.1	78.2	75.3	71.8	78.7	69.5	65.3	73.6
1983	74.6	71.0	78.1	75.2	71.6	78.7	69.4	65.2	73.5
1982	74.5	70.8	78.1	75.1	71.5	78.7	69.4	65.1	73.6
1981	74.1	70.4	77.8	74.8	71.1	78.4	68.9	64.5	73.2
1980	73.7	70.0	77.4	74.4	70.7	78.1	68.1	63.8	72.5
1979	73.9	70.0	77.8	74.6	70.8	78.4	68.5	64.0	72.9
1978	73.5	69.6	77.3	74.1	70.4	78.0	68.1	63.7	72.4
1977	73.3	69.5	77.2	74.0	70.2	77.9	67.7	63.4	72.0
1976	72.9	69.1	76.8	73.6	69.9	77.5	67.2	62.9	71.6
1975	72.6	68.8	76.6	73.4	69.5	77.3	66.8	62.4	71.3
1970	70.8	67.1	74.7	71.7	68.0	75.6	64.1	60.0	68.3
1960	69.7	66.6	73.1	70.6	67.4	74.1	---	---	---
1950	68.2	65.6	71.1	69.1	66.5	72.2	---	---	---
1940	62.9	60.8	65.2	64.2	62.1	66.6	---	---	---

--- Data not available.
1 Includes races other than white and black.
2 Figures are revised and may differ from those previously published; see Technical Notes.

Table 9. Death rates by age and age-adjusted death rates for the 15 leading causes of death in 2001: United States, 1999-2001

[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 2000 and estimated as of July 1 for all other years; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992) and year	Age												Age-adjusted rate [3]
	All ages [1]	Under 1 year [2]	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													
2001	848.5	683.4	33.3	17.3	80.7	105.2	203.6	428.9	964.6	2,353.3	5,582.4	15,112.8	854.5
2000 [4]	854.0	736.7	32.4	18.0	79.9	101.4	198.9	425.6	992.2	2,399.1	5,666.5	15,524.4	869.0
1999 [4]	857.0	736.0	34.2	18.6	79.3	102.2	198.0	418.2	1,005.0	2,457.3	5,714.5	15,554.6	875.6
Diseases of heart (I00-I09,I11,I13,I20-I51)													
2001	245.8	11.9	1.5	0.7	2.5	8.0	29.6	92.9	246.9	635.1	1,725.7	5,664.2	247.8
2000 [4]	252.6	13.0	1.2	0.7	2.6	7.4	29.2	94.2	261.2	665.6	1,780.3	5,926.1	257.6
1999 [4]	259.9	13.8	1.2	0.7	2.8	7.6	30.2	95.7	269.9	701.7	1,849.9	6,063.0	266.5
Malignant neoplasms (C00-C97)													
2001	194.4	1.6	2.7	2.5	4.3	10.1	36.8	126.5	356.5	802.8	1,315.8	1,765.6	196.0
2000 [4]	196.5	2.4	2.7	2.5	4.4	9.8	36.6	127.5	366.7	816.3	1,335.6	1,819.4	199.6
1999 [4]	197.0	1.8	2.7	2.5	4.5	10.0	37.1	127.6	374.6	827.1	1,331.5	1,805.8	200.8
Cerebrovascular diseases (I60-I69)													
2001	57.4	2.7	0.4	0.2	0.5	1.5	5.5	15.1	38.0	123.4	443.9	1,500.2	57.9
2000 [4]	59.6	3.3	0.3	0.2	0.5	1.5	5.8	16.0	41.0	128.6	461.3	1,589.2	60.9
1999 [4]	60.0	2.7	0.3	0.2	0.5	1.4	5.7	15.2	40.6	130.8	469.8	1,614.8	61.6
Chronic lower respiratory diseases (J40-J47)													
2001	43.2	1.0	0.3	0.3	0.4	0.7	2.2	8.5	44.1	167.9	379.8	644.7	43.7
2000 [4]	43.4	0.9	0.3	0.3	0.5	0.7	2.1	8.6	44.2	169.4	386.1	648.6	44.2
1999 [4]	44.5	0.9	0.4	0.3	0.5	0.8	2.0	8.5	47.5	177.2	397.8	646.0	45.4
Accidents (unintentional injuries) (V01-X59,Y85-Y86)													
2001	35.7	24.2	11.2	6.9	36.1	29.9	35.4	34.1	30.3	42.8	100.9	276.4	35.7
2000 [4]	34.8	23.1	11.9	7.3	36.0	29.5	34.1	32.6	30.9	41.9	95.1	273.5	34.9
1999 [4]	35.1	22.3	12.4	7.6	35.3	29.6	33.8	31.8	30.6	44.6	100.5	282.4	35.3
Diabetes mellitus (E10-E14)													
2001	25.1	*	*	0.1	0.4	1.5	4.3	13.6	37.8	91.4	181.4	321.8	25.3
2000 [4]	24.6	*	*	0.1	0.4	1.6	4.3	13.1	37.8	90.7	179.5	319.7	25.0
1999 [4]	24.5	*	*	0.1	0.4	1.4	4.3	12.9	38.3	91.8	178.0	317.2	25.0
Influenza and pneumonia (J10-J18)													
2001	21.8	7.4	0.7	0.2	0.5	0.9	2.2	4.6	10.7	36.3	148.5	685.6	22.0
2000 [4]	23.2	7.6	0.7	0.2	0.5	0.9	2.4	4.7	11.9	39.1	160.3	744.1	23.7
1999 [4]	22.8	8.4	0.8	0.2	0.5	0.8	2.4	4.6	11.0	37.2	157.0	751.8	23.5
Alzheimer's disease (G30)													
2001	18.9	*	*	*	*	*	*	0.2	2.1	18.7	147.5	710.3	19.1
2000 [4]	17.6	*	*	*	*	*	*	0.2	2.0	18.7	139.6	667.7	18.1
1999 [4]	16.0	*	*	*	*	*	*	0.2	1.9	17.4	129.5	601.3	16.5
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)													
2001	13.9	3.3	*	*	0.2	0.6	1.7	4.6	13.0	40.2	104.2	287.7	14.0
2000 [4]	13.2	4.3	*	0.1	0.2	0.6	1.6	4.4	12.8	38.0	100.8	277.8	13.5
1999 [4]	12.7	4.4	*	0.1	0.2	0.6	1.6	4.0	12.0	37.1	97.6	268.9	13.0
Septicemia (A40-A41)													
2001	11.3	7.7	0.7	0.2	0.3	0.7	1.8	5.0	12.3	32.8	82.3	205.9	11.4
2000 [4]	11.1	7.2	0.6	0.2	0.3	0.7	1.9	4.9	11.9	31.0	80.4	215.7	11.3
1999 [4]	11.0	7.5	0.6	0.2	0.3	0.7	1.8	4.6	11.4	31.2	79.4	220.7	11.3
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)													
2001 [5]	10.8	. . .	. . .	0.7	9.9	12.8	14.7	15.2	13.1	13.3	17.4	17.5	10.7
2000 [4]	10.4	. . .	. . .	0.7	10.2	12.0	14.5	14.4	12.1	12.5	17.6	19.6	10.4
1999 [4]	10.5	. . .	. . .	0.6	10.1	12.7	14.3	13.9	12.2	13.4	18.1	19.3	10.5
Chronic liver disease and cirrhosis (K70,K73-K74)													
2001	9.5	*	*	*	0.1	1.0	7.4	18.5	22.7	30.0	30.2	22.2	9.5
2000 [4]	9.4	*	*	*	0.1	1.0	7.5	17.7	23.8	29.8	31.0	23.1	9.5
1999 [4]	9.4	*	*	*	0.1	1.0	7.3	17.4	23.7	30.6	31.9	23.2	9.6
Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)													
2001 [5]	7.1	8.2	2.7	0.8	13.3	13.1	9.5	6.3	4.0	2.9	2.5	2.4	7.1
2000 [4]	6.0	9.2	2.3	0.9	12.6	10.4	7.1	4.7	3.0	2.4	2.4	2.4	5.9
1999 [4]	6.1	8.7	2.5	1.1	12.9	10.5	7.1	4.6	3.0	2.6	2.5	2.4	6.0

See footnotes at end of table.

Table 9. Death rates by age and age-adjusted death rates for the 15 leading causes of death in 2001: United States, 1999-2001 - 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. Rates are based on populations enumerated as of April 1 for 2000 and estimated as of July 1 for all other years; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992) and year	Age												Age-adjusted rate [3]
	All ages[1]	Under 1 year [2]	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	
Essential (primary) hypertension and hypertensive renal disease (I10,I12)													
2001	6.8	*	*	*	0.1	0.3	0.7	2.4	5.8	15.5	47.7	171.9	6.8
2000[4]	6.4	*	*	*	*	0.2	0.8	2.3	5.9	15.1	45.5	162.9	6.5
1999[4]	6.1	*	*	*	*	0.2	0.7	2.2	5.5	15.2	43.6	152.1	6.2
Pneumonitis due to solids and liquids (J69)													
2001	6.1	*	*	*	0.1	0.2	0.4	1.0	2.6	10.0	45.8	189.4	6.1
2000[4]	5.9	*	*	*	0.1	0.2	0.4	1.0	2.5	10.3	44.5	187.6	6.1
1999[4]	5.5	*	*	*	0.1	0.2	0.4	0.8	2.5	9.5	41.1	175.6	5.6

* Figure does not meet standards of reliability or precision, see Technical Notes.
. . . Category not applicable.
1 Figures for age not stated included in "All ages" but not distributed among age groups.
2 Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see Technical Notes.
3 For method of computation, see Technical Notes.
4 Rates are revised and may differ from rates previously published; see Technical Notes.
5 Figures include September 11, 2001 related deaths for which death certificates were filed as of 10/24/02; see Technical Notes and Table D.

Table 10. Number of deaths from 113 selected causes by age: United States, 2001

[For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All ages	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
All causes	2,416,425	27,568	5,108	7,094	32,252	41,683	91,674	168,065	244,139	430,960	701,929	665,531	422
Salmonella infections (A01-A02)	41	2	-	-	-	2	1	3	3	7	14	9	-
Shigellosis and amebiasis (A03,A06)	7	1	1	1	-	-	-	3	-	-	1	-	-
Certain other intestinal infections (A04,A07-A09)	1,537	10	18	4	-	4	12	42	81	235	566	565	-
Tuberculosis (A16-A19)	764	2	1	-	12	25	40	84	116	152	206	125	1
Respiratory tuberculosis (A16)	600	2	1	-	7	17	28	61	96	115	166	106	1
Other tuberculosis (A17-A19)	164	-	-	-	5	8	12	23	20	37	40	19	-
Whooping cough (A37)	17	16	1	-	-	-	-	-	-	-	-	-	-
Scarlet fever and erysipelas (A38,A46)	3	-	-	1	-	-	-	-	-	1	-	1	-
Meningococcal infection (A39)	199	16	19	26	55	10	13	13	15	15	8	9	-
Septicemia (A40-A41)	32,238	312	108	69	133	281	829	1,977	3,111	5,998	10,351	9,069	-
Syphilis (A50-A53)	36	1	-	1	-	1	3	3	4	5	13	5	-
Acute poliomyelitis (A80)	-	-	-	-	-	-	-	-	-	-	-	-	-
Arthropod-borne viral encephalitis (A83-A84,A85.2)	9	1	-	-	-	-	-	1	-	5	2	-	-
Measles (B05)	1	-	-	-	-	-	1	-	-	-	-	-	-
Viral hepatitis (B15-B19)	5,585	1	-	3	20	74	797	2,060	1,014	836	613	166	1
Human immunodeficiency virus (HIV) disease (B20-B24)	14,175	10	13	38	225	2,101	5,867	4,120	1,317	384	88	10	2
Malaria (B50-B54)	9	-	-	1	-	-	2	2	2	1	1	-	-
Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36,A42-A44, A48-A49,A54-A79,A81-A82,A85.0-A85.1,A85.8, A86-B04,B06-B09,B25-B49,B55-B99)	5,715	191	64	64	86	147	369	663	771	1,143	1,330	887	-
Malignant neoplasms (C00-C97)	553,768	66	420	1,008	1,704	3,994	16,569	49,562	90,223	147,018	165,445	77,751	8
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	7,702	-	-	4	29	56	283	1,076	1,740	1,912	1,787	814	1
Malignant neoplasm of esophagus (C15)	12,530	-	-	-	6	29	309	1,408	2,554	3,779	3,307	1,137	1
Malignant neoplasm of stomach (C16)	12,319	-	-	-	20	122	464	1,127	1,771	3,021	3,793	2,001	-
Malignant neoplasms of colon, rectum and anus (C18-C21)	56,887	-	-	-	46	299	1,433	4,548	7,984	13,791	17,527	11,259	-
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	13,351	5	18	15	29	75	401	1,868	2,351	3,440	3,649	1,500	-
Malignant neoplasm of pancreas (C25)	29,803	-	1	2	2	55	574	2,410	4,868	8,158	9,322	4,410	1
Malignant neoplasm of larynx (C32)	3,797	-	-	-	-	3	86	419	913	1,170	910	296	-
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	156,058	-	5	2	20	157	2,796	12,041	29,777	51,225	46,700	13,331	4
Malignant melanoma of skin (C43)	7,542	-	-	-	41	186	622	1,208	1,333	1,689	1,678	785	-
Malignant neoplasm of breast (C50)	41,809	-	-	-	9	463	2,823	6,593	7,632	8,715	9,663	5,911	-
Malignant neoplasm of cervix uteri (C53)	4,092	-	-	1	12	209	711	953	723	585	583	315	-
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	6,784	-	-	-	-	38	139	566	1,105	1,784	2,063	1,088	1
Malignant neoplasm of ovary (C56)	14,414	-	-	2	21	102	472	1,626	2,612	3,666	4,170	1,743	-
Malignant neoplasm of prostate (C61)	30,719	-	-	-	1	1	30	412	1,907	6,543	12,976	8,849	-
Malignant neoplasms of kidney and renal pelvis (C64-C65)	12,078	1	22	35	20	52	358	1,311	2,328	3,221	3,306	1,424	-
Malignant neoplasm of bladder (C67)	12,225	-	-	1	3	15	128	475	1,265	2,814	4,488	3,036	-
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	12,609	16	100	300	224	416	1,028	1,951	2,464	2,823	2,566	721	-
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	56,341	27	157	367	705	988	1,857	4,064	7,455	13,659	18,257	8,805	-
Hodgkin's disease (C81)	1,323	-	-	6	78	167	161	182	143	211	278	97	-
Non-Hodgkin's lymphoma (C82-C85)	22,305	1	1	38	148	298	756	1,732	3,098	5,358	7,369	3,506	-
Leukemia (C91-C95)	21,451	25	155	323	479	513	779	1,475	2,535	4,886	6,696	3,585	-

See footnotes at end of table.

Table 10. Number of deaths from 113 selected causes by age: United States, 2001 - Con.

[For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All ages	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	11,172	-	-	-	-	9	157	671	1,671	3,181	3,886	1,597	-
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	90	1	1	-	-	1	4	4	8	23	28	20	-
All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31,C37-C41,C44-C49, C51-C52,C57-C60,C62-C63,C66,C68-C69, C73-C80,C97)	62,708	17	117	279	516	728	2,055	5,506	9,441	15,023	18,700	10,326	-
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	13,676	51	58	105	102	151	366	719	1,253	2,574	4,654	3,643	-
Anemias (D50-D64)	4,627	16	22	55	109	160	215	232	249	492	1,226	1,851	-
Diabetes mellitus (E10-E14)	71,372	2	6	39	151	595	1,958	5,343	9,570	16,731	22,805	14,171	1
Nutritional deficiencies (E40-E64)	3,704	4	4	2	10	14	44	110	153	374	1,100	1,889	-
Malnutrition (E40-E46)	3,454	2	-	2	9	13	39	99	146	347	1,025	1,772	-
Other nutritional deficiencies (E50-E64)	250	2	4	-	1	1	5	11	7	27	75	117	-
Meningitis (G00,G03)	727	78	26	24	40	41	69	105	113	94	96	41	-
Parkinson's disease (G20-G21)	16,544	-	-	-	-	2	15	45	301	2,147	8,125	5,909	-
Alzheimer's disease (G30)	53,852	-	-	-	-	2	3	73	529	3,422	18,542	31,281	-
Major cardiovascular diseases (I00-I78)	922,334	600	285	365	1,280	4,038	16,686	44,450	76,224	148,409	291,995	337,930	72
Diseases of heart (I00-I09,I11,I13,I20-I51)	700,142	479	225	272	999	3,160	13,326	36,399	62,486	116,299	216,992	249,439	66
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	3,489	3	1	5	11	34	130	232	361	744	1,188	780	-
Hypertensive heart disease (I11)	24,689	-	-	1	24	246	1,091	2,464	2,769	3,619	6,119	8,345	11
Hypertensive heart and renal disease (I13)	2,826	1	-	-	7	28	99	146	247	417	855	1,026	-
Ischemic heart diseases (I20-I25)	502,189	26	9	20	163	1,116	7,534	25,073	46,574	87,463	159,854	174,309	48
Acute myocardial infarction (I21-I22)	184,757	15	2	7	64	475	3,176	10,817	19,830	35,380	59,254	55,727	10
Other acute ischemic heart diseases (I24)	3,351	3	-	2	7	14	94	307	463	645	871	945	-
Other forms of chronic ischemic heart disease (I20,I25)	314,081	8	7	11	92	627	4,264	13,949	26,281	51,438	99,729	117,637	38
Atherosclerotic cardiovascular disease, so described (I25.0)	68,103	-	-	-	20	179	1,457	5,047	8,438	12,005	19,196	21,736	25
All other forms of chronic ischemic heart disease (I20, I25.1-I25.9)	245,978	8	7	11	72	448	2,807	8,902	17,843	39,433	80,533	95,901	13
Other heart diseases (I26-I51)	166,949	449	215	246	794	1,736	4,472	8,484	12,535	24,056	48,976	64,979	7
Acute and subacute endocarditis (I33)	1,178	1	-	3	8	29	117	186	160	247	316	111	-
Diseases of pericardium and acute myocarditis (I30-I31,I40)	839	32	26	21	40	50	93	111	106	120	154	85	1
Heart failure (I50)	56,934	24	17	15	34	92	307	954	2,374	6,274	17,134	29,708	1
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	107,998	392	172	207	712	1,565	3,955	7,233	9,895	17,415	31,372	35,075	5
Essential (primary) hypertension and hypertensive renal disease (I10,I12)	19,250	-	1	1	23	104	331	931	1,462	2,832	5,993	7,572	-
Cerebrovascular diseases (I60-I69)	163,538	108	54	80	196	601	2,491	5,910	9,608	22,598	55,822	66,066	4
Atherosclerosis (I70)	14,086	1	1	1	1	3	40	186	473	1,335	4,156	7,888	1
Other diseases of circulatory system (I71-I78)	25,318	12	4	11	61	170	498	1,024	2,195	5,345	9,032	6,965	1
Aortic aneurysm and dissection (I71)	15,234	-	2	4	43	117	332	661	1,394	3,517	5,751	3,412	1
Other diseases of arteries, arterioles and capillaries (I72-I78)	10,084	12	2	7	18	53	166	363	801	1,828	3,281	3,553	-
Other disorders of circulatory system (I80-I99)	4,665	22	5	-	38	124	285	454	563	841	1,183	1,149	1
Influenza and pneumonia (J10-J18)	62,034	299	112	92	181	339	983	1,801	2,704	6,650	18,677	30,191	5
Influenza (J10-J11)	257	7	6	12	7	10	6	15	21	21	56	96	-
Pneumonia (J12-J18)	61,777	292	106	80	174	329	977	1,786	2,683	6,629	18,621	30,095	5
Other acute lower respiratory infections (J20-J22)	347	50	18	3	1	2	12	14	16	28	58	145	-
Acute bronchitis and bronchiolitis (J20-J21)	263	49	18	3	1	2	11	12	14	23	39	91	-
Unspecified acute lower respiratory infection (J22)	84	1	-	-	-	-	1	2	2	5	19	54	-

See footnotes at end of table.

Table 10. Number of deaths from 113 selected causes by age: United States, 2001 - Con.

[For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All ages	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
Chronic lower respiratory diseases (J40-J47)	123,013	41	43	104	171	290	969	3,324	11,166	30,751	47,762	28,391	1
Bronchitis, chronic and unspecified (J40-J42)	959	21	8	-	5	6	21	42	61	133	261	401	-
Emphysema (J43)	16,242	3	-	1	2	7	75	448	1,829	4,804	6,337	2,736	-
Asthma (J45-J46)	4,269	10	31	99	140	233	455	603	553	634	802	709	-
Other chronic lower respiratory diseases (J44,J47)	101,543	7	4	4	24	44	418	2,231	8,723	25,180	40,362	24,545	1
Pneumoconioses and chemical effects (J60-J66,J68)	1,136	-	1	-	-	1	5	11	64	266	516	272	-
Pneumonitis due to solids and liquids (J69)	17,301	12	14	15	34	79	179	378	659	1,830	5,759	8,342	-
Other diseases of respiratory system (J00-J06,J30-J39, J67,J70-J98)	26,178	294	93	78	141	216	570	1,356	2,432	5,510	9,202	6,283	3
Peptic ulcer (K25-K28)	4,491	-	1	5	6	32	118	284	418	718	1,438	1,470	1
Diseases of appendix (K35-K38)	428	1	8	6	15	15	26	40	45	89	90	93	-
Hernia (K40-K46)	1,522	43	2	3	3	15	34	82	131	213	443	553	-
Chronic liver disease and cirrhosis (K70,K73-K74)	27,035	3	-	2	26	387	3,336	7,259	5,750	5,486	3,801	979	6
Alcoholic liver disease (K70)	12,207	-	-	-	8	264	2,145	4,203	2,913	1,848	717	104	5
Other chronic liver disease and cirrhosis (K73-K74)	14,828	3	-	2	18	123	1,191	3,056	2,837	3,638	3,084	875	1
Cholelithiasis and other disorders of gallbladder (K80-K82)	2,965	1	-	1	7	19	44	137	242	526	945	1,043	-
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	39,480	133	16	18	92	225	768	1,822	3,284	7,356	13,097	12,668	1
Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01,N04)	156	8	4	1	-	3	8	6	13	27	48	38	-
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (N02-N03,N05-N07,N26)	511	-	2	1	8	12	27	41	40	111	147	122	-
Renal failure (N17-N19)	38,784	125	9	16	82	209	732	1,770	3,226	7,211	12,898	12,505	1
Other disorders of kidney (N25,N27)	29	-	1	-	2	1	1	5	5	7	4	3	-
Infections of kidney (N10-N12,N13.6,N15.1)	748	2	4	-	5	11	33	46	46	87	249	265	-
Hyperplasia of prostate (N40)	439	-	-	-	-	-	-	2	9	45	141	242	-
Inflammatory diseases of female pelvic organs (N70-N76)	127	1	-	-	2	3	10	12	12	18	31	38	-
Pregnancy, childbirth and the puerperium (O00-O99)	416	. . .	. . .	3	110	190	106	6	. . .	. . .	. . .	. . .	-
Pregnancy with abortive outcome (O00-O07)	38	. . .	. . .	2	13	14	9	-	. . .	. . .	. . .	. . .	-
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	378	. . .	. . .	1	97	176	97	6	. . .	. . .	. . .	. . .	-
Certain conditions originating in the perinatal period (P00-P96)	13,887	13,734	72	36	17	6	9	5	2	3	1	1	1
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	10,442	5,513	558	375	505	458	586	636	581	448	465	317	-
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	32,326	3,491	272	181	949	1,530	3,126	3,504	2,292	2,774	5,003	9,089	115
All other diseases (Residual)	186,406	1,131	646	860	1,799	3,072	8,084	14,203	16,048	25,803	49,711	65,032	17
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	101,537	976	1,714	2,836	14,411	11,839	15,945	13,344	7,658	7,835	12,688	12,171	120
Transport accidents (V01-V99,Y85)	47,288	151	678	1,823	11,139	7,454	7,827	6,251	3,861	3,282	3,507	1,272	43
Motor vehicle accidents (V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1, V82.0-V82.1,V83-V86,V87.0-V87.8,V88.0-V88.8, V89.0,V89.2)	43,788	144	626	1,686	10,725	6,937	7,083	5,564	3,465	2,990	3,312	1,223	33
Other land transport accidents (V01,V05-V06,V09.1,V09.3-V09.9,V10-V11, V15-V18,V19.3,V19.8-V19.9,V80.0-V80.2, V80.6-V80.9,V81.2-V81.9,V82.2-V82.9,V87.9, V88.9,V89.1,V89.3,V89.9)	1,405	3	28	80	198	177	285	247	133	117	98	29	10

See footnotes at end of table.

Table 10. Number of deaths from 113 selected causes by age: United States, 2001 - Con.

[For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All ages	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	Not stated
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85)	2,095	4	24	57	216	340	459	440	263	175	97	20	-
Nontransport accidents (W00-X59,Y86)	54,249	825	1,036	1,013	3,272	4,385	8,118	7,093	3,797	4,553	9,181	10,899	77
Falls (W00-W19)	15,019	23	32	66	256	340	647	1,024	1,004	1,833	4,440	5,350	4
Accidental discharge of firearms (W32-W34)	802	-	15	57	206	122	146	103	69	33	41	8	2
Accidental drowning and submersion (W65-W74)	3,281	68	458	333	596	374	462	359	206	159	157	75	34
Accidental exposure to smoke, fire and flames (X00-X09)	3,309	50	225	252	209	247	441	419	378	411	423	251	3
Accidental poisoning and exposure to noxious substances (X40-X49)	14,078	15	31	50	1,362	2,507	5,036	3,547	798	291	279	152	10
Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99, X10-X39,X50-X59,Y86)	17,760	669	275	255	643	795	1,386	1,641	1,342	1,826	3,841	5,063	24
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) [1]	30,622	. . .	. . .	279	3,971	5,070	6,635	5,942	3,317	2,432	2,192	769	15
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	16,869	. . .	. . .	90	2,130	2,564	3,030	3,023	2,083	1,758	1,648	537	6
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84, Y87.0) [1]	13,753	. . .	. . .	189	1,841	2,506	3,605	2,919	1,234	674	544	232	9
Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) [1]	20,308	332	415	326	5,297	5,204	4,268	2,467	1,018	532	312	105	32
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	11,348	11	55	180	4,200	3,308	1,978	934	364	192	99	16	11
Assault (homicide) by other and unspecified means and their sequelae (*U01.0-*U01.3,*U01.5-*U01.9,*U02, X85-X92,X96-Y09,Y87.1) [1]	8,960	321	360	146	1,097	1,896	2,290	1,533	654	340	213	89	21
Legal intervention (Y35,Y89.0)	396	-	-	-	88	107	115	51	24	6	4	1	-
Events of undetermined intent (Y10-Y34,Y87.2,Y89.9)	4,198	83	44	51	412	728	1,396	990	225	99	108	44	18
Discharge of firearms, undetermined intent (Y22-Y24)	231	-	-	6	64	48	50	29	12	10	11	1	-
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2, Y89.9)	3,967	83	44	45	348	680	1,346	961	213	89	97	43	18
Operations of war and their sequelae (Y36,Y89.1)	17	-	-	-	1	-	1	2	-	4	8	1	-
Complications of medical and surgical care (Y40-Y84,Y88)	3,021	26	24	14	43	79	172	283	384	567	864	564	1

- Quantity zero.
. . . Category not applicable.
[1] Figures include September 11, 2001 related deaths for which death certificates were filed as of 10/24/02; see Technical Notes and Table D.

NOTE: Complete confirmation of deaths from selected causes of death, considered to be of public health concern, were not provided by the District of Columbia and the following States--California, Illinois, Indiana, Kansas, Kentucky, Maine, Minnesota, Montana, New Jersey, New York, North Dakota, Ohio, Oklahoma, Pennsylvania, and Rhode Island; see Technical Notes.

Table 11. Death rates for 113 selected causes by age: United States, 2001

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All ages [1]	Under 1 year [2]	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	848.5	683.4	33.3	17.3	80.7	105.2	203.6	428.9	964.6	2,353.3	5,582.4	15,112.8
Salmonella infections (A01-A02)	0.0	*	*	*	*	*	*	*	*	*	*	*
Shigellosis and amebiasis (A03,A06)	*	*	*	*	*	*	*	*	*	*	*	*
Certain other intestinal infections (A04,A07-A09)	0.5	*	*	*	*	*	*	0.1	0.3	1.3	4.5	12.8
Tuberculosis (A16-A19)	0.3	*	*	*	*	0.1	0.1	0.2	0.5	0.8	1.6	2.8
Respiratory tuberculosis (A16)	0.2	*	*	*	*	*	0.1	0.2	0.4	0.6	1.3	2.4
Other tuberculosis (A17-A19)	0.1	*	*	*	*	*	*	0.1	0.1	0.2	0.3	*
Whooping cough (A37)	*	*	*	*	*	*	*	*	*	*	*	*
Scarlet fever and erysipelas (A38,A46)	*	*	*	*	*	*	*	*	*	*	*	*
Meningococcal infection (A39)	0.1	*	*	0.1	0.1	*	*	*	*	*	*	*
Septicemia (A40-A41)	11.3	7.7	0.7	0.2	0.3	0.7	1.8	5.0	12.3	32.8	82.3	205.9
Syphilis (A50-A53)	0.0	*	*	*	*	*	*	*	*	*	*	*
Acute poliomyelitis (A80)	*	*	*	*	*	*	*	*	*	*	*	*
Arthropod-borne viral encephalitis (A83-A84,A85.2)	*	*	*	*	*	*	*	*	*	*	*	*
Measles (B05)	*	*	*	*	*	*	*	*	*	*	*	*
Viral hepatitis (B15-B19)	2.0	*	*	*	0.1	0.2	1.8	5.3	4.0	4.6	4.9	3.8
Human immunodeficiency virus (HIV) disease (B20-B24)	5.0	*	*	0.1	0.6	5.3	13.0	10.5	5.2	2.1	0.7	*
Malaria (B50-B54)	*	*	*	*	*	*	*	*	*	*	*	*
Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36,A42-A44, A48-A49,A54-A79,A81-A82,A85.0-A85.1,A85.8, A86-B04,B06-B09,B25-B49,B55-B99)	2.0	4.7	0.4	0.2	0.2	0.4	0.8	1.7	3.0	6.2	10.6	20.1
Malignant neoplasms (C00-C97)	194.4	1.6	2.7	2.5	4.3	10.1	36.8	126.5	356.5	802.8	1,315.8	1,765.6
Malignant neoplasms of lip, oral cavity, and pharynx (C00-C14)	2.7	*	*	*	0.1	0.1	0.6	2.7	6.9	10.4	14.2	18.5
Malignant neoplasm of esophagus (C15)	4.4	*	*	*	*	0.1	0.7	3.6	10.1	20.6	26.3	25.8
Malignant neoplasm of stomach (C16)	4.3	*	*	*	0.1	0.3	1.0	2.9	7.0	16.5	30.2	45.4
Malignant neoplasms of colon, rectum and anus (C18-C21)	20.0	*	*	*	0.1	0.8	3.2	11.6	31.5	75.3	139.4	255.7
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	4.7	*	*	*	0.1	0.2	0.9	4.8	9.3	18.8	29.0	34.1
Malignant neoplasm of pancreas (C25)	10.5	*	*	*	*	0.1	1.3	6.1	19.2	44.5	74.1	100.1
Malignant neoplasm of larynx (C32)	1.3	*	*	*	*	*	0.2	1.1	3.6	6.4	7.2	6.7
Malignant neoplasm of trachea, bronchus and lung (C33-C34)	54.8	*	*	*	0.1	0.4	6.2	30.7	117.7	279.7	371.4	302.7
Malignant melanoma of skin (C43)	2.6	*	*	*	0.1	0.5	1.4	3.1	5.3	9.2	13.3	17.8
Malignant neoplasm of breast (C50)	14.7	*	*	*	*	1.2	6.3	16.8	30.2	47.6	76.8	134.2
Malignant neoplasm of cervix uteri (C53)	1.4	*	*	*	*	0.5	1.6	2.4	2.9	3.2	4.6	7.2
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	2.4	*	*	*	*	0.1	0.3	1.4	4.4	9.7	16.4	24.7
Malignant neoplasm of ovary (C56)	5.1	*	*	*	0.1	0.3	1.0	4.1	10.3	20.0	33.2	39.6
Malignant neoplasm of prostate (C61)	10.8	*	*	*	*	*	0.1	1.1	7.5	35.7	103.2	200.9
Malignant neoplasms of kidney and renal pelvis (C64-C65)	4.2	*	0.1	0.1	0.1	0.1	0.8	3.3	9.2	17.6	26.3	32.3
Malignant neoplasm of bladder (C67)	4.3	*	*	*	*	*	0.3	1.2	5.0	15.4	35.7	68.9
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	4.4	*	0.7	0.7	0.6	1.1	2.3	5.0	9.7	15.4	20.4	16.4
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	19.8	0.7	1.0	0.9	1.8	2.5	4.1	10.4	29.5	74.6	145.2	199.9
Hodgkin's disease (C81)	0.5	*	*	*	0.2	0.4	0.4	0.5	0.6	1.2	2.2	2.2
Non-Hodgkin's lymphoma (C82-C85)	7.8	*	*	0.1	0.4	0.8	1.7	4.4	12.2	29.3	58.6	79.6
Leukemia (C91-C95)	7.5	0.6	1.0	0.8	1.2	1.3	1.7	3.8	10.0	26.7	53.3	81.4

See footnotes at end of table.

Table 11. Death rates for 113 selected causes by age: United States, 2001 - Con.

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All ages [1]	Under 1 year [2]	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
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	3.9	*	*	*	*	*	0.3	1.7	6.6	17.4	30.9	36.3
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	0.0	*	*	*	*	*	*	*	*	0.1	0.2	0.5
All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31,C37-C41,C44-C49, C51-C52,C57-C60,C62-C63,C66,C68-C69, C73-C80,C97)	22.0	*	0.8	0.7	1.3	1.8	4.6	14.1	37.3	82.0	148.7	234.5
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	4.8	1.3	0.4	0.3	0.3	0.4	0.8	1.8	5.0	14.1	37.0	82.7
Anemias (D50-D64)	1.6	*	0.1	0.1	0.3	0.4	0.5	0.6	1.0	2.7	9.8	42.0
Diabetes mellitus (E10-E14)	25.1	*	*	0.1	0.4	1.5	4.3	13.6	37.8	91.4	181.4	321.8
Nutritional deficiencies (E40-E64)	1.3	*	*	*	*	*	0.1	0.3	0.6	2.0	8.7	42.9
Malnutrition (E40-E46)	1.2	*	*	*	*	*	0.1	0.3	0.6	1.9	8.2	40.2
Other nutritional deficiencies (E50-E64)	0.1	*	*	*	*	*	*	*	*	0.1	0.6	2.7
Meningitis (G00,G03)	0.3	1.9	0.2	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.8	0.9
Parkinson's disease (G20-G21)	5.8	*	*	*	*	*	*	0.1	1.2	11.7	64.6	134.2
Alzheimer's disease (G30)	18.9	*	*	*	*	*	*	0.2	2.1	18.7	147.5	710.3
Major cardiovascular diseases (I00-I78)	323.9	14.9	1.9	0.9	3.2	10.2	37.1	113.4	301.2	810.4	2,322.2	7,673.7
Diseases of heart (I00-I09,I11,I13,I20-I51)	245.8	11.9	1.5	0.7	2.5	8.0	29.6	92.9	246.9	635.1	1,725.7	5,664.2
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	1.2	*	*	*	*	0.1	0.3	0.6	1.4	4.1	9.4	17.7
Hypertensive heart disease (I11)	8.7	*	*	*	0.1	0.6	2.4	6.3	10.9	19.8	48.7	189.5
Hypertensive heart and renal disease (I13)	1.0	*	*	*	*	0.1	0.2	0.4	1.0	2.3	6.8	23.3
Ischemic heart disease (I20-I25)	176.3	0.6	*	0.0	0.4	2.8	16.7	64.0	184.0	477.6	1,271.3	3,958.2
Acute myocardial infarction (I21-I22)	64.9	*	*	*	0.2	1.2	7.1	27.6	78.4	193.2	471.2	1,265.4
Other acute ischemic heart diseases (I24)	1.2	*	*	*	*	*	0.2	0.8	1.8	3.5	6.9	21.5
Other forms of chronic ischemic heart disease (I20,I25)	110.3	*	*	*	0.2	1.6	9.5	35.6	103.8	280.9	793.1	2,671.3
Atherosclerotic cardiovascular disease, so described (I25.0)	23.9	*	*	*	0.1	0.5	3.2	12.9	33.3	65.6	152.7	493.6
All other forms of chronic ischemic heart disease (I20, I25.1-I25.9)	86.4	*	*	*	0.2	1.1	6.2	22.7	70.5	215.3	640.5	2,177.7
Other heart diseases (I26-I51)	58.6	11.1	1.4	0.6	2.0	4.4	9.9	21.6	49.5	131.4	389.5	1,475.5
Acute and subacute endocarditis (I33)	0.4	*	*	*	*	0.1	0.3	0.5	0.6	1.3	2.5	2.5
Diseases of pericardium and acute myocarditis (I30-I31,I40)	0.3	0.8	0.2	0.1	0.1	0.1	0.2	0.3	0.4	0.7	1.2	1.9
Heart failure (I50)	20.0	0.6	*	*	0.1	0.2	0.7	2.4	9.4	34.3	136.3	674.6
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	37.9	9.7	1.1	0.5	1.8	4.0	8.8	18.5	39.1	95.1	249.5	796.5
Essential (primary) hypertension and hypertensive renal disease (I10,I12)	6.8	*	*	*	0.1	0.3	0.7	2.4	5.8	15.5	47.7	171.9
Cerebrovascular diseases (I60-I69)	57.4	2.7	0.4	0.2	0.5	1.5	5.5	15.1	38.0	123.4	443.9	1,500.2
Atherosclerosis (I70)	4.9	*	*	*	*	*	0.1	0.5	1.9	7.3	33.1	179.1
Other diseases of circulatory system (I71-I78)	8.9	*	*	*	0.2	0.4	1.1	2.6	8.7	29.2	71.8	158.2
Aortic aneurysm and dissection (I71)	5.3	*	*	*	0.1	0.3	0.7	1.7	5.5	19.2	45.7	77.5
Other diseases of arteries, arterioles and capillaries (I72-I78)	3.5	*	*	*	*	0.1	0.4	0.9	3.2	10.0	26.1	80.7
Other disorders of circulatory system (I80-I99)	1.6	0.5	*	*	0.1	0.3	0.6	1.2	2.2	4.6	9.4	26.1
Influenza and pneumonia (J10-J18)	21.8	7.4	0.7	0.2	0.5	0.9	2.2	4.6	10.7	36.3	148.5	685.6
Influenza (J10-J11)	0.1	*	*	*	*	*	*	*	0.1	0.1	0.4	2.2
Pneumonia (J12-J18)	21.7	7.2	0.7	0.2	0.4	0.8	2.2	4.6	10.6	36.2	148.1	683.4
Other acute lower respiratory infections (J20-J22)	0.1	1.2	*	*	*	*	*	*	*	0.2	0.5	3.3
Acute bronchitis and bronchiolitis (J20-J21)	0.1	1.2	*	*	*	*	*	*	*	0.1	0.3	2.1
Unspecified acute lower respiratory infection (J22)	0.0	*	*	*	*	*	*	*	*	*	*	1.2

See footnotes at end of table.

Table 11. Death rates for 113 selected causes by age: United States, 2001 - Con.

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All ages [1]	Under 1 year [2]	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
Chronic lower respiratory diseases (J40-J47)	43.2	1.0	0.3	0.3	0.4	0.7	2.2	8.5	44.1	167.9	379.8	644.7
Bronchitis, chronic and unspecified (J40-J42)	0.3	0.5	*	*	*	*	0.0	0.1	0.2	0.7	2.1	9.1
Emphysema (J43)	5.7	*	*	*	*	*	0.2	1.1	7.2	26.2	50.4	62.1
Asthma (J45-J46)	1.5	*	0.2	0.2	0.4	0.6	1.0	1.5	2.2	3.5	6.4	16.1
Other chronic lower respiratory diseases (J44,J47)	35.7	*	*	*	0.1	0.1	0.9	5.7	34.5	137.5	321.0	557.4
Pneumoconioses and chemical effects (J60-J66,J68)	0.4	*	*	*	*	*	*	*	0.3	1.5	4.1	6.2
Pneumonitis due to solids and liquids (J69)	6.1	*	*	*	0.1	0.2	0.4	1.0	2.6	10.0	45.8	189.4
Other diseases of respiratory system (J00-J06,J30-J39, J67,J70-J98)	9.2	7.3	0.6	0.2	0.4	0.5	1.3	3.5	9.6	30.1	73.2	142.7
Peptic ulcer (K25-K28)	1.6	*	*	*	*	0.1	0.3	0.7	1.7	3.9	11.4	33.4
Diseases of appendix (K35-K38)	0.2	*	*	*	*	*	0.1	0.1	0.2	0.5	0.7	2.1
Hernia (K40-K46)	0.5	1.1	*	*	*	*	0.1	0.2	0.5	1.2	3.5	12.6
Chronic liver disease and cirrhosis (K70,K73-K74)	9.5	*	*	*	0.1	1.0	7.4	18.5	22.7	30.0	30.2	22.2
Alcoholic liver disease (K70)	4.3	*	*	*	*	0.7	4.8	10.7	11.5	10.1	5.7	2.4
Other chronic liver disease and cirrhosis (K73-K74)	5.2	*	*	*	*	0.3	2.6	7.8	11.2	19.9	24.5	19.9
Cholelithiasis and other disorders of gallbladder (K80-K82)	1.0	*	*	*	*	*	0.1	0.3	1.0	2.9	7.5	23.7
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	13.9	3.3	*	*	0.2	0.6	1.7	4.6	13.0	40.2	104.2	287.7
Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01,N04)	0.1	*	*	*	*	*	*	*	*	0.1	0.4	0.9
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (N02-N03,N05-N07,N26)	0.2	*	*	*	*	*	0.1	0.1	0.2	0.6	1.2	2.8
Renal failure (N17-N19)	13.6	3.1	*	*	0.2	0.5	1.6	4.5	12.7	39.4	102.6	284.0
Other disorders of kidney (N25,N27)	0.0	*	*	*	*	*	*	*	*	*	*	*
Infections of kidney (N10-N12,N13.6,N15.1)	0.3	*	*	*	*	*	0.1	0.1	0.2	0.5	2.0	6.0
Hyperplasia of prostate (N40)	0.2	*	*	*	*	*	*	*	*	0.2	1.1	5.5
Inflammatory diseases of female pelvic organs (N70-N76)	0.0	*	*	*	*	*	*	*	*	*	0.2	0.9
Pregnancy, childbirth and the puerperium (O00-O99)	0.1	. . .	. . .	*	0.3	0.5	0.2	*	. . .	. . .	. . .	. . .
Pregnancy with abortive outcome (O00-O07)	0.0	. . .	. . .	*	*	*	*	*	. . .	. . .	. . .	. . .
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	0.1	. . .	. . .	*	0.2	0.4	0.2	*	. . .	. . .	. . .	. . .
Certain conditions originating in the perinatal period (P00-P96)	4.9	340.5	0.5	0.1	*	*	*	*	*	*	*	*
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3.7	136.7	3.6	0.9	1.3	1.2	1.3	1.6	2.3	2.4	3.7	7.2
Symptoms, signs, and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	11.4	86.5	1.8	0.4	2.4	3.9	6.9	8.9	9.1	15.1	39.8	206.4
All other diseases (Residual)	65.5	28.0	4.2	2.1	4.5	7.8	18.0	36.2	63.4	140.9	395.3	1,476.7
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	35.7	24.2	11.2	6.9	36.1	29.9	35.4	34.1	30.3	42.8	100.9	276.4
Transport accidents (V01-V99,Y85)	16.6	3.7	4.4	4.4	27.9	18.8	17.4	16.0	15.3	17.9	27.9	28.9
Motor vehicle accidents (V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1, V82.0-V82.1,V83-V86,V87.0-V87.8,V88.0-V88.8, V89.0,V89.2)	15.4	3.6	4.1	4.1	26.8	17.5	15.7	14.2	13.7	16.3	26.3	27.8
Other land transport accidents (V01,V05-V06,V09.1,V09.3-V09.9,V10-V11, V15-V18,V19.3,V19.8-V19.9,V80.0-V80.2, V80.6-V80.9,V81.2-V81.9,V82.2-V82.9,V87.9, V88.9,V89.1,V89.3,V89.9)	0.5	*	0.2	0.2	0.5	0.4	0.6	0.6	0.5	0.6	0.8	0.7

See footnotes at end of table.

Table 11. Death rates for 113 selected causes by age: United States, 2001 - Con.

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All ages [1]	Under 1 year [2]	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
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85)	0.7	*	0.2	0.1	0.5	0.9	1.0	1.1	1.0	1.0	0.8	0.5
Nontransport accidents (W00-X59,Y86)	19.0	20.5	6.8	2.5	8.2	11.1	18.0	18.1	15.0	24.9	73.0	247.5
Falls (W00-W19)	5.3	0.6	0.2	0.2	0.6	0.9	1.4	2.6	4.0	10.0	35.3	121.5
Accidental discharge of firearms (W32-W34)	0.3	*	*	0.1	0.5	0.3	0.3	0.3	0.3	0.2	0.3	*
Accidental drowning and submersion (W65-W74)	1.2	1.7	3.0	0.8	1.5	0.9	1.0	0.9	0.8	0.9	1.2	1.7
Accidental exposure to smoke, fire and flames (X00-X09)	1.2	1.2	1.5	0.6	0.5	0.6	1.0	1.1	1.5	2.2	3.4	5.7
Accidental poisoning and exposure to noxious substances (X40-X49)	4.9	*	0.2	0.1	3.4	6.3	11.2	9.1	3.2	1.6	2.2	3.5
Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99, X10-X39,X50-X59,Y86)	6.2	16.6	1.8	0.6	1.6	2.0	3.1	4.2	5.3	10.0	30.5	115.0
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) [3]	10.8	. . .	. . .	0.7	9.9	12.8	14.7	15.2	13.1	13.3	17.4	17.5
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	5.9	. . .	. . .	0.2	5.3	6.5	6.7	7.7	8.2	9.6	13.1	12.2
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84, Y87.0) [3]	4.8	. . .	. . .	0.5	4.6	6.3	8.0	7.4	4.9	3.7	4.3	5.3
Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) [3]	7.1	8.2	2.7	0.8	13.3	13.1	9.5	6.3	4.0	2.9	2.5	2.4
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	4.0	*	0.4	0.4	10.5	8.4	4.4	2.4	1.4	1.0	0.8	*
Assault (homicide) by other and unspecified means and their sequelae (*U01.0-*U01.3,*U01.5-*U01.9,*U02, X85-X92,X96-Y09,Y87.1) [3]	3.1	8.0	2.3	0.4	2.7	4.8	5.1	3.9	2.6	1.9	1.7	2.0
Legal intervention (Y35,Y89.0)	0.1	*	*	*	0.2	0.3	0.3	0.1	0.1	*	*	*
Events of undetermined intent (Y10-Y34,Y87.2,Y89.9)	1.5	2.1	0.3	0.1	1.0	1.8	3.1	2.5	0.9	0.5	0.9	1.0
Discharge of firearms, undetermined intent (Y22-Y24)	0.1	*	*	*	0.2	0.1	0.1	0.1	*	*	*	*
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2, Y89.9)	1.4	2.1	0.3	0.1	0.9	1.7	3.0	2.5	0.8	0.5	0.8	1.0
Operations of war and their sequelae (Y36,Y89.1)	*	*	*	*	*	*	*	*	*	*	*	*
Complications of medical and surgical care (Y40-Y84,Y88)	1.1	0.6	0.2	*	0.1	0.2	0.4	0.7	1.5	3.1	6.9	12.8

0.0 Quantity more than zero but less than 0.05.
* Figure does not meet standards of reliability or precision, see Technical Notes.
. . . Category not applicable.
[1] Figures for age not stated included in "All ages" but not distributed among age groups.
[2] Death rates for "Under 1 year" (based on population estimates) differ from infant mortality rates (based on live births); see Technical Notes.
[3] Figures include September 11, 2001 related deaths for which death certificates were filed as of 10/24/02; see Technical Notes and Table D.

NOTE: Complete confirmation of deaths from selected causes of death, considered to be of public health concern, were not provided by the District of Columbia and the following States--California, Illinois, Indiana, Kansas, Kentucky, Maine, Minnesota, Montana, New Jersey, New York, North Dakota, Ohio, Oklahoma, Pennsylvania, and Rhode Island; see Technical Notes.

Table 12. Number of deaths from 113 selected causes by race and sex: United States, 2001

[For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	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	2,416,425	1,183,421	1,233,004	2,079,691	1,011,218	1,068,473	336,734	172,203	164,531	287,709	145,908	141,801
Salmonella infections (A01-A02)	41	21	20	33	18	15	8	3	5	5	1	4
Shigellosis and amebiasis (A03,A06)	7	6	1	7	6	1	-	-	-	-	-	-
Certain other intestinal infections (A04,A07-A09)	1,537	572	965	1,417	518	899	120	54	66	101	43	58
Tuberculosis (A16-A19)	764	453	311	469	271	198	295	182	113	203	127	76
Respiratory tuberculosis (A16)	600	371	229	368	221	147	232	150	82	160	106	54
Other tuberculosis (A17-A19)	164	82	82	101	50	51	63	32	31	43	21	22
Whooping cough (A37)	17	7	10	16	7	9	1	-	1	1	-	1
Scarlet fever and erysipelas (A38,A46)	3	2	1	3	2	1	-	-	-	-	-	-
Meningococcal infection (A39)	199	94	105	158	72	86	41	22	19	36	18	18
Septicemia (A40-A41)	32,238	14,307	17,931	25,806	11,371	14,435	6,432	2,936	3,496	5,880	2,635	3,245
Syphilis (A50-A53)	36	19	17	21	9	12	15	10	5	14	9	5
Acute poliomyelitis (A80)	-	-	-	-	-	-	-	-	-	-	-	-
Arthropod-borne viral encephalitis (A83-A84,A85.2)	9	6	3	6	5	1	3	1	2	2	-	2
Measles (B05)	1	1	-	1	1	-	-	-	-	-	-	-
Viral hepatitis (B15-B19)	5,585	3,539	2,046	4,451	2,900	1,551	1,134	639	495	831	484	347
Human immunodeficiency virus (HIV) disease (B20-B24)	14,175	10,590	3,585	6,171	5,135	1,036	8,004	5,455	2,549	7,844	5,328	2,516
Malaria (B50-B54)	9	5	4	5	2	3	4	3	1	3	2	1
Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36,A42-A44, A48-A49,A54-A79,A81-A82,A85.0-A85.1,A85.8, A86-B04,B06-B09,B25-B49,B55-B99)	5,715	2,931	2,784	4,688	2,405	2,283	1,027	526	501	825	427	398
Malignant neoplasms (C00-C97)	553,768	287,075	266,693	479,651	248,146	231,505	74,117	38,929	35,188	62,170	32,679	29,491
Malignant neoplasms of lip, oral cavity, and pharynx (C00-C14)	7,702	5,156	2,546	6,369	4,183	2,186	1,333	973	360	1,065	782	283
Malignant neoplasm of esophagus (C15)	12,530	9,607	2,923	10,624	8,205	2,419	1,906	1,402	504	1,688	1,231	457
Malignant neoplasm of stomach (C16)	12,319	7,191	5,128	9,501	5,568	3,933	2,818	1,623	1,195	2,067	1,186	881
Malignant neoplasms of colon, rectum and anus (C18-C21)	56,887	28,225	28,662	48,748	24,335	24,413	8,139	3,890	4,249	6,905	3,251	3,654
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	13,351	8,483	4,868	10,697	6,774	3,923	2,654	1,709	945	1,670	1,048	622
Malignant neoplasm of pancreas (C25)	29,803	14,467	15,336	25,769	12,641	13,128	4,034	1,826	2,208	3,394	1,523	1,871
Malignant neoplasm of larynx (C32)	3,797	3,018	779	3,049	2,417	632	748	601	147	678	541	137
Malignant neoplasm of trachea, bronchus and lung (C33-C34)	156,058	90,426	65,632	137,274	78,665	58,609	18,784	11,761	7,023	16,019	10,131	5,888
Malignant melanoma of skin (C43)	7,542	4,763	2,779	7,403	4,702	2,701	139	61	78	104	37	67
Malignant neoplasm of breast (C50)	41,809	415	41,394	35,422	344	35,078	6,387	71	6,316	5,571	65	5,506
Malignant neoplasm of cervix uteri (C53)	4,092	. . .	4,092	3,136	. . .	3,136	956	. . .	956	787	. . .	787
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	6,784	. . .	6,784	5,606	. . .	5,606	1,178	. . .	1,178	1,047	. . .	1,047
Malignant neoplasm of ovary (C56)	14,414	. . .	14,414	12,950	. . .	12,950	1,464	. . .	1,464	1,153	. . .	1,153
Malignant neoplasm of prostate (C61)	30,719	30,719	. . .	25,066	25,066	. . .	5,653	5,653	. . .	5,265	5,265	. . .
Malignant neoplasms of kidney and renal pelvis (C64-C65)	12,078	7,524	4,554	10,720	6,695	4,025	1,358	829	529	1,113	678	435
Malignant neoplasm of bladder (C67)	12,225	8,343	3,882	11,180	7,780	3,400	1,045	563	482	877	447	430
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	12,609	7,015	5,594	11,638	6,498	5,140	971	517	454	741	382	359
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	56,341	30,060	26,281	49,989	26,767	23,222	6,352	3,293	3,059	5,227	2,676	2,551
Hodgkin's disease (C81)	1,323	725	598	1,170	644	526	153	81	72	137	73	64
Non-Hodgkin's lymphoma (C82-C85)	22,305	11,710	10,595	20,335	10,642	9,693	1,970	1,068	902	1,496	804	692
Leukemia (C91-C95)	21,451	11,850	9,601	19,239	10,672	8,567	2,212	1,178	1,034	1,765	928	837

See footnotes at end of table.

Table 12. Number of deaths from 113 selected causes by race and sex: United States, 2001 - Con.

[For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All races			White			All other					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	11,172	5,724	5,448	9,168	4,765	4,403	2,004	959	1,045	1,817	864	953
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	90	51	39	77	44	33	13	7	6	12	7	5
All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31,C37-C41,C44-C49, C51-C52,C57-C60,C62-C63,C66,C68-C69, C73-C80,C97)	62,708	31,663	31,045	54,510	27,506	27,004	8,198	4,157	4,041	6,799	3,436	3,363
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	13,676	6,735	6,941	12,261	6,089	6,172	1,415	646	769	1,157	525	632
Anemias (D50-D64)	4,627	1,774	2,853	3,543	1,303	2,240	1,084	471	613	1,001	446	555
Diabetes mellitus (E10-E14)	71,372	32,841	38,531	57,180	26,917	30,263	14,192	5,924	8,268	12,305	5,049	7,256
Nutritional deficiencies (E40-E64)	3,704	1,233	2,471	3,152	1,000	2,152	552	233	319	475	204	271
Malnutrition (E40-E46)	3,454	1,148	2,306	2,939	932	2,007	515	216	299	441	188	253
Other nutritional deficiencies (E50-E64)	250	85	165	213	68	145	37	17	20	34	16	18
Meningitis (G00,G03)	727	394	333	526	275	251	201	119	82	175	105	70
Parkinson's disease (G20-G21)	16,544	9,405	7,139	15,757	8,982	6,775	787	423	364	551	294	257
Alzheimer's disease (G30)	53,852	15,762	38,090	50,348	14,714	35,634	3,504	1,048	2,456	3,114	910	2,204
Major cardiovascular diseases (I00-I78)	922,334	428,065	494,269	801,052	370,918	430,134	121,282	57,147	64,135	104,316	48,237	56,079
Diseases of heart (I00-I09,I11,I13,I20-I51)	700,142	339,095	361,047	610,638	295,556	315,082	89,504	43,539	45,965	77,674	37,016	40,658
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	3,489	1,031	2,458	3,086	910	2,176	403	121	282	302	86	216
Hypertensive heart disease (I11)	24,689	10,451	14,238	18,232	7,395	10,837	6,457	3,056	3,401	5,970	2,813	3,157
Hypertensive heart and renal disease (I13)	2,826	1,169	1,657	1,922	762	1,160	904	407	497	832	376	456
Ischemic heart disease (I20-I25)	502,189	254,005	248,184	442,536	224,464	218,072	59,653	29,541	30,112	50,933	24,593	26,340
Acute myocardial infarction (I21-I22)	184,757	95,875	88,882	162,943	85,280	77,663	21,814	10,595	11,219	18,581	8,717	9,864
Other acute ischemic heart diseases (I24)	3,351	1,720	1,631	2,821	1,431	1,390	530	289	241	454	249	205
Other forms of chronic ischemic heart disease (I20,I25)	314,081	156,410	157,671	276,772	137,753	139,019	37,309	18,657	18,652	31,898	15,627	16,271
Atherosclerotic cardiovascular disease, so described (I25.0)	68,103	35,440	32,663	56,414	29,039	27,375	11,689	6,401	5,288	10,321	5,578	4,743
All other forms of chronic ischemic heart disease (I20, I25.1-I25.9)	245,978	120,970	125,008	220,358	108,714	111,644	25,620	12,256	13,364	21,577	10,049	11,528
Other heart diseases (I26-I51)	166,949	72,439	94,510	144,862	62,025	82,837	22,087	10,414	11,673	19,637	9,148	10,489
Acute and subacute endocarditis (I33)	1,178	668	510	917	517	400	261	151	110	235	135	100
Diseases of pericardium and acute myocarditis (I30-I31,I40)	839	401	438	658	310	348	181	91	90	158	79	79
Heart failure (I50)	56,934	21,632	35,302	51,252	19,332	31,920	5,682	2,300	3,382	5,122	2,052	3,070
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	107,998	49,738	58,260	92,035	41,866	50,169	15,963	7,872	8,091	14,122	6,882	7,240
Essential (primary) hypertension and hypertensive renal disease (I10,I12)	19,250	7,254	11,996	14,752	5,351	9,401	4,498	1,903	2,595	4,038	1,715	2,323
Cerebrovascular diseases (I60-I69)	163,538	63,177	100,361	140,465	53,428	87,037	23,073	9,749	13,324	19,002	7,907	11,095
Atherosclerosis (I70)	14,086	5,143	8,943	12,961	4,696	8,265	1,125	447	678	970	370	600
Other diseases of circulatory system (I71-I78)	25,318	13,396	11,922	22,236	11,887	10,349	3,082	1,509	1,573	2,632	1,229	1,403
Aortic aneurysm and dissection (I71)	15,234	9,114	6,120	13,652	8,224	5,428	1,582	890	692	1,251	671	580
Other diseases of arteries, arterioles and capillaries (I72-I78)	10,084	4,282	5,802	8,584	3,663	4,921	1,500	619	881	1,381	558	823
Other disorders of circulatory system (I80-I99)	4,665	1,981	2,684	3,843	1,603	2,240	822	378	444	742	339	403
Influenza and pneumonia (J10-J18)	62,034	27,342	34,692	54,774	23,744	31,030	7,260	3,598	3,662	5,771	2,813	2,958
Influenza (J10-J11)	257	101	156	229	88	141	28	13	15	20	10	10
Pneumonia (J12-J18)	61,777	27,241	34,536	54,545	23,656	30,889	7,232	3,585	3,647	5,751	2,803	2,948
Other acute lower respiratory infections (J20-J22)	347	117	230	299	94	205	48	23	25	34	16	18
Acute bronchitis and bronchiolitis (J20-J21)	263	89	174	218	67	151	45	22	23	32	15	17
Unspecified acute lower respiratory infection (J22)	84	28	56	81	27	54	3	1	2	2	1	1

See footnotes at end of table.

Table 12. Number of deaths from 113 selected causes by race and sex: United States, 2001 - Con.

[For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All races			White			All other					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Chronic lower respiratory diseases (J40-J47)	123,013	59,697	63,316	113,819	54,561	59,258	9,194	5,136	4,058	7,589	4,187	3,402
Bronchitis, chronic and unspecified (J40-J42)	959	396	563	878	354	524	81	42	39	63	32	31
Emphysema (J43)	16,242	8,415	7,827	15,243	7,798	7,445	999	617	382	811	487	324
Asthma (J45-J46)	4,269	1,479	2,790	2,990	937	2,053	1,279	542	737	1,108	459	649
Other chronic lower respiratory diseases (J44,J47)	101,543	49,407	52,136	94,708	45,472	49,236	6,835	3,935	2,900	5,607	3,209	2,398
Pneumoconioses and chemical effects (J60-J66,J68)	1,136	1,095	41	1,073	1,034	39	63	61	2	57	55	2
Pneumonitis due to solids and liquids (J69)	17,301	8,576	8,725	15,425	7,705	7,720	1,876	871	1,005	1,599	741	858
Other diseases of respiratory system (J00-J06,J30-J39, J67,J70-J98)	26,178	12,495	13,683	23,133	11,085	12,048	3,045	1,410	1,635	2,491	1,131	1,360
Peptic ulcer (K25-K28)	4,491	2,074	2,417	3,942	1,751	2,191	549	323	226	409	243	166
Diseases of appendix (K35-K38)	428	252	176	342	198	144	86	54	32	73	47	26
Hernia (K40-K46)	1,522	587	935	1,343	502	841	179	85	94	157	76	81
Chronic liver disease and cirrhosis (K70,K73-K74)	27,035	17,393	9,642	23,408	15,048	8,360	3,627	2,345	1,282	2,775	1,843	932
Alcoholic liver disease (K70)	12,207	8,932	3,275	10,387	7,689	2,698	1,820	1,243	577	1,348	935	413
Other chronic liver disease and cirrhosis (K73-K74)	14,828	8,461	6,367	13,021	7,359	5,662	1,807	1,102	705	1,427	908	519
Cholelithiasis and other disorders of gallbladder (K80-K82)	2,965	1,341	1,624	2,567	1,157	1,410	398	184	214	310	130	180
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	39,480	18,852	20,628	31,345	15,241	16,104	8,135	3,611	4,524	7,274	3,186	4,088
Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01,N04)	156	73	83	130	60	70	26	13	13	21	9	12
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (N02-N03,N05-N07,N26)	511	264	247	417	216	201	94	48	46	69	37	32
Renal failure (N17-N19)	38,784	18,509	20,275	30,777	14,961	15,816	8,007	3,548	4,459	7,178	3,138	4,040
Other disorders of kidney (N25,N27)	29	6	23	21	4	17	8	2	6	6	2	4
Infections of kidney (N10-N12,N13.6,N15.1)	748	213	535	647	176	471	101	37	64	80	28	52
Hyperplasia of prostate (N40)	439	439	. . .	403	403	. . .	36	36	. . .	32	32	. . .
Inflammatory diseases of female pelvic organs (N70-N76)	127	. . .	127	103	. . .	103	24	. . .	24	23	. . .	23
Pregnancy, childbirth and the puerperium (O00-O99)	416	. . .	416	235	. . .	235	181	. . .	181	158	. . .	158
Pregnancy with abortive outcome (O00-O07)	38	. . .	38	20	. . .	20	18	. . .	18	16	. . .	16
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	378	. . .	378	215	. . .	215	163	. . .	163	142	. . .	142
Certain conditions originating in the perinatal period (P00-P96)	13,887	7,868	6,019	8,551	4,846	3,705	5,336	3,022	2,314	4,847	2,746	2,101
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	10,442	5,448	4,994	8,338	4,376	3,962	2,104	1,072	1,032	1,720	882	838
Symptoms, signs, and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	32,326	15,779	16,547	26,877	12,868	14,009	5,449	2,911	2,538	4,691	2,465	2,226
All other diseases (Residual)	186,406	75,162	111,244	161,293	64,020	97,273	25,113	11,142	13,971	21,970	9,671	12,299
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	101,537	66,060	35,477	85,964	55,493	30,471	15,573	10,567	5,006	12,462	8,537	3,925
Transport accidents (V01-V99,Y85)	47,288	32,794	14,494	39,544	27,407	12,137	7,744	5,387	2,357	5,906	4,214	1,692
Motor vehicle accidents (V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1, V82.0-V82.1,V83-V86,V87.0-V87.8,V88.0-V88.8, V89.0,V89.2)	43,788	30,064	13,724	36,576	25,084	11,492	7,212	4,980	2,232	5,506	3,900	1,606
Other land transport accidents (V01,V05-V06,V09.1,V09.3-V09.9,V10-V11, V15-V18,V19.3,V19.8-V19.9,V80.0-V80.2, V80.6-V80.9,V81.2-V81.9,V82.2-V82.9,V87.9, V88.9,V89.1,V89.3,V89.9)	1,405	1,067	338	1,105	850	255	300	217	83	226	168	58

See footnotes at end of table.

Table 12. Number of deaths from 113 selected causes by race and sex: United States, 2001 - Con.

[For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All races			White			All other					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85)	2,095	1,663	432	1,863	1,473	390	232	190	42	174	146	28
Nontransport accidents (W00-X59,Y86)	54,249	33,266	20,983	46,420	28,086	18,334	7,829	5,180	2,649	6,556	4,323	2,233
Falls (W00-W19)	15,019	8,089	6,930	13,827	7,331	6,496	1,192	758	434	854	547	307
Accidental discharge of firearms (W32-W34)	802	690	112	675	580	95	127	110	17	112	99	13
Accidental drowning and submersion (W65-W74)	3,281	2,560	721	2,515	1,936	579	766	624	142	579	478	101
Accidental exposure to smoke, fire and flames (X00-X09)	3,309	1,998	1,311	2,387	1,436	951	922	562	360	846	511	335
Accidental poisoning and exposure to noxious substances (X40-X49)	14,078	9,885	4,193	11,662	8,232	3,430	2,416	1,653	763	2,169	1,490	679
Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99, X10-X39,X50-X59,Y86)	17,760	10,044	7,716	15,354	8,571	6,783	2,406	1,473	933	1,996	1,198	798
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) [1]	30,622	24,672	5,950	27,710	22,328	5,382	2,912	2,344	568	1,957	1,627	330
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	16,869	14,758	2,111	15,467	13,521	1,946	1,402	1,237	165	1,091	971	120
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84, Y87.0) [1]	13,753	9,914	3,839	12,243	8,807	3,436	1,510	1,107	403	866	656	210
Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) [1]	20,308	15,555	4,753	11,328	8,254	3,074	8,980	7,301	1,679	8,226	6,780	1,446
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	11,348	9,532	1,816	5,188	4,042	1,146	6,160	5,490	670	5,885	5,279	606
Assault (homicide) by other and unspecified means and their sequelae (*U01.0-*U01.3,*U01.5-*U01.9,*U02, X85-X92,X96-Y09,Y87.1) [1]	8,960	6,023	2,937	6,140	4,212	1,928	2,820	1,811	1,009	2,341	1,501	840
Legal intervention (Y35,Y89.0)	396	380	16	292	283	9	104	97	7	84	79	5
Events of undetermined intent (Y10-Y34,Y87.2,Y89.9)	4,198	2,833	1,365	3,453	2,283	1,170	745	550	195	646	480	166
Discharge of firearms, undetermined intent (Y22-Y24)	231	190	41	188	150	38	43	40	3	32	29	3
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2, Y89.9)	3,967	2,643	1,324	3,265	2,133	1,132	702	510	192	614	451	163
Operations of war and their sequelae (Y36,Y89.1)	17	16	1	16	15	1	1	1	-	1	1	-
Complications of medical and surgical care (Y40-Y84,Y88)	3,021	1,357	1,664	2,446	1,084	1,362	575	273	302	522	250	272

- Quantity zero.
. . Category not applicable.
[1] Figures include September 11, 2001 related deaths for which death certificates were filed as of 10/24/02; see Technical Notes and Table D.

NOTE: Complete confirmation of deaths from selected causes of death, considered to be of public health concern, were not provided by the District of Columbia and the following States--California, Illinois, Indiana, Kansas, Kentucky, Maine, Minnesota, Montana, New Jersey, New York, North Dakota, Ohio, Oklahoma, Pennsylvania, and Rhode Island; see Technical Notes.

Table 13. Number of deaths from 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001

[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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All origins			Hispanic			Non-Hispanic[1]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All causes	2,416,425	1,183,421	1,233,004	113,413	63,317	50,096	2,295,244	1,115,683	1,179,561
Salmonella infections (A01-A02)	41	21	20	5	5	-	36	16	20
Shigellosis and amebiasis (A03,A06)	7	6	1	3	3	-	4	3	1
Certain other intestinal infections (A04,A07-A09)	1,537	572	965	53	19	34	1,474	550	924
Tuberculosis (A16-A19)	764	453	311	97	67	30	660	379	281
Respiratory tuberculosis (A16)	600	371	229	77	56	21	517	309	208
Other tuberculosis (A17-A19)	164	82	82	20	11	9	143	70	73
Whooping cough (A37)	17	7	10	10	4	6	7	3	4
Scarlet fever and erysipelas (A38,A46)	3	2	1	-	-	-	3	2	1
Meningococcal infection (A39)	199	94	105	21	11	10	178	83	95
Septicemia (A40-A41)	32,238	14,307	17,931	1,386	684	702	30,754	13,573	17,181
Syphilis (A50-A53)	36	19	17	7	5	2	28	14	14
Acute poliomyelitis (A80)	-	-	-	-	-	-	-	-	-
Arthropod-borne viral encephalitis (A83-A84,A85.2)	9	6	3	-	-	-	9	6	3
Measles (B05)	1	1	-	-	-	-	1	1	-
Viral hepatitis (B15-B19)	5,585	3,539	2,046	791	487	304	4,776	3,038	1,738
Human immunodeficiency virus (HIV) disease (B20-B24)	14,175	10,590	3,585	1,853	1,437	416	12,141	9,011	3,130
Malaria (B50-B54)	9	5	4	-	-	-	9	5	4
Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36,A42-A44,A48-A49, A54-A79,A81-A82,A85.0-A85.1, A85.8,A86-B04,B06-B09,B25-B49, B55-B99)	5,715	2,931	2,784	423	250	173	5,271	2,666	2,605
Malignant neoplasms (C00-C97)	553,768	287,075	266,693	22,371	11,825	10,546	530,058	274,492	255,566
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	7,702	5,156	2,546	311	219	92	7,370	4,920	2,450
Malignant neoplasm of esophagus (C15)	12,530	9,607	2,923	401	316	85	12,085	9,254	2,831
Malignant neoplasm of stomach (C16)	12,319	7,191	5,128	1,189	680	509	11,099	6,492	4,607
Malignant neoplasms of colon, rectum and anus (C18-C21)	56,887	28,225	28,662	2,250	1,185	1,065	54,513	26,978	27,535
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	13,351	8,483	4,868	1,256	812	444	12,053	7,640	4,413
Malignant neoplasm of pancreas (C25)	29,803	14,467	15,336	1,336	643	693	28,407	13,792	14,615
Malignant neoplasm of larynx (C32)	3,797	3,018	779	163	141	22	3,614	2,858	756
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	156,058	90,426	65,632	3,816	2,495	1,321	151,882	87,706	64,176
Malignant melanoma of skin (C43)	7,542	4,763	2,779	145	78	67	7,387	4,678	2,709
Malignant neoplasm of breast (C50)	41,809	415	41,394	1,760	14	1,746	39,957	399	39,558
Malignant neoplasm of cervix uteri (C53)	4,092	. . .	4,092	412	. . .	412	3,669	. . .	3,669
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	6,784	. . .	6,784	319	. . .	319	6,449	. . .	6,449
Malignant neoplasm of ovary (C56)	14,414	. . .	14,414	603	. . .	603	13,783	. . .	13,783
Malignant neoplasm of prostate (C61)	30,719	30,719	. . .	1,226	1,226	. . .	29,407	29,407	. . .
Malignant neoplasms of kidney and renal pelvis (C64-C65)	12,078	7,524	4,554	640	426	214	11,415	7,084	4,331
Malignant neoplasm of bladder (C67)	12,225	8,343	3,882	336	223	113	11,858	8,100	3,758
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	12,609	7,015	5,594	617	335	282	11,967	6,667	5,300
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	56,341	30,060	26,281	2,747	1,577	1,170	53,458	28,410	25,048
Hodgkin's disease (C81)	1,323	725	598	99	66	33	1,221	657	564
Non-Hodgkin's lymphoma (C82-C85)	22,305	11,710	10,595	1,008	579	429	21,246	11,105	10,141
Leukemia (C91-C95)	21,451	11,850	9,601	1,114	640	474	20,285	11,180	9,105
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	11,172	5,724	5,448	524	291	233	10,618	5,418	5,200
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	90	51	39	2	1	1	88	50	38
All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31, C37-C41,C44-C49,C51-C52, C57-C60,C62-C63,C66,C68-C69, C73-C80,C97)	62,708	31,663	31,045	2,844	1,455	1,389	59,685	30,107	29,578
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	13,676	6,735	6,941	543	276	267	13,098	6,442	6,656
Anemias (D50-D64)	4,627	1,774	2,853	185	82	103	4,424	1,687	2,737
Diabetes mellitus (E10-E14)	71,372	32,841	38,531	5,663	2,590	3,073	65,498	30,144	35,354

See footnotes at end of table.

Table 13. Number of deaths from 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Non-Hispanic White			Non-Hispanic Black			Origin not stated[2]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All causes	1,962,810	945,967	1,016,843	284,343	143,971	140,372	7,768	4,421	3,347
Salmonella infections (A01-A02)	28	13	15	5	1	4	-	-	-
Shigellosis and amebiasis (A03,A06)	4	3	1	-	-	-	-	-	-
Certain other intestinal infections (A04,A07-A09)	1,357	497	860	98	42	56	10	3	7
Tuberculosis (A16-A19)	368	200	168	200	124	76	7	7	-
Respiratory tuberculosis (A16)	288	162	126	157	103	54	6	6	-
Other tuberculosis (A17-A19)	80	38	42	43	21	22	1	1	-
Whooping cough (A37)	6	3	3	1	-	1	-	-	-
Scarlet fever and erysipelas (A38,A46)	3	2	1	-	-	-	-	-	-
Meningococcal infection (A39)	138	62	76	36	18	18	-	-	-
Septicemia (A40-A41)	24,389	10,668	13,721	5,829	2,611	3,218	98	50	48
Syphilis (A50-A53)	14	5	9	14	9	5	1	-	1
Acute poliomyelitis (A80)	-	-	-	-	-	-	-	-	-
Arthropod-borne viral encephalitis (A83-A84,A85.2)	6	5	1	2	-	2	-	-	-
Measles (B05)	1	1	-	-	-	-	-	-	-
Viral hepatitis (B15-B19)	3,663	2,410	1,253	819	479	340	18	14	4
Human immunodeficiency virus (HIV) disease (B20-B24)	4,286	3,669	617	7,710	5,227	2,483	181	142	39
Malaria (B50-B54)	5	2	3	3	2	1	-	-	-
Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36,A42-A44,A48-A49, A54-A79,A81-A82,A85.0-A85.1, A85.8,A86-B04,B06-B09,B25-B49, B55-B99)	4,257	2,148	2,109	815	419	396	21	15	6
Malignant neoplasms (C00-C97)	456,709	236,004	220,705	61,580	32,335	29,245	1,339	758	581
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	6,052	3,961	2,091	1,056	773	283	21	17	4
Malignant neoplasm of esophagus (C15)	10,193	7,863	2,330	1,676	1,222	454	44	37	7
Malignant neoplasm of stomach (C16)	8,308	4,884	3,424	2,051	1,177	874	31	19	12
Malignant neoplasms of colon, rectum and anus (C18-C21)	46,450	23,128	23,322	6,847	3,221	3,626	124	62	62
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	9,433	5,956	3,477	1,649	1,036	613	42	31	11
Malignant neoplasm of pancreas (C25)	24,424	11,994	12,430	3,352	1,501	1,851	60	32	28
Malignant neoplasm of larynx (C32)	2,876	2,267	609	668	531	137	20	19	1
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	133,266	76,066	57,200	15,883	10,030	5,853	360	225	135
Malignant melanoma of skin (C43)	7,250	4,618	2,632	102	36	66	10	7	3
Malignant neoplasm of breast (C50)	33,629	329	33,300	5,528	64	5,464	92	2	90
Malignant neoplasm of cervix uteri (C53)	2,725	. . .	2,725	778	. . .	778	11	. . .	11
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	5,283	. . .	5,283	1,037	. . .	1,037	16	. . .	16
Malignant neoplasm of ovary (C56)	12,338	. . .	12,338	1,140	. . .	1,140	28	. . .	28
Malignant neoplasm of prostate (C61)	23,811	23,811	. . .	5,215	5,215	. . .	86	86	. . .
Malignant neoplasms of kidney and renal pelvis (C64-C65)	10,073	6,263	3,810	1,105	673	432	23	14	9
Malignant neoplasm of bladder (C67)	10,823	7,541	3,282	870	444	426	31	20	11
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	11,004	6,154	4,850	736	378	358	25	13	12
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	47,190	25,162	22,028	5,162	2,642	2,520	136	73	63
Hodgkin's disease (C81)	1,069	577	492	136	72	64	3	2	1
Non-Hodgkin's lymphoma (C82-C85)	19,300	10,052	9,248	1,478	795	683	51	26	25
Leukemia (C91-C95)	18,105	10,018	8,087	1,741	915	826	52	30	22
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	8,641	4,472	4,169	1,795	853	942	30	15	15
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	75	43	32	12	7	5	-	-	-
All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31, C37-C41,C44-C49,C51-C52, C57-C60,C62-C63,C66,C68-C69, C73-C80,C97)	51,581	26,007	25,574	6,725	3,392	3,333	179	101	78
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	11,701	5,801	5,900	1,143	522	621	35	17	18
Anemias (D50-D64)	3,350	1,220	2,130	993	443	550	18	5	13
Diabetes mellitus (E10-E14)	51,482	24,302	27,180	12,167	4,983	7,184	211	107	104

See footnotes at end of table.

Table 13. Number of deaths from 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All origins			Hispanic			Non-Hispanic[1]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Nutritional deficiencies (E40-E64)	3,704	1,233	2,471	136	53	83	3,563	1,178	2,385
Malnutrition (E40-E46)	3,454	1,148	2,306	132	52	80	3,317	1,094	2,223
Other nutritional deficiencies (E50-E64)	250	85	165	4	1	3	246	84	162
Meningitis (G00,G03)	727	394	333	58	33	25	666	361	305
Parkinson's disease (G20-G21)	16,544	9,405	7,139	483	274	209	16,019	9,104	6,915
Alzheimer's disease (G30)	53,852	15,762	38,090	1,239	401	838	52,516	15,334	37,182
Major cardiovascular diseases (I00-I78)	922,334	428,065	494,269	35,565	18,138	17,427	883,949	408,437	475,512
Diseases of heart (I00-I09,I11,I13, I20-I51)	700,142	339,095	361,047	27,090	14,195	12,895	670,787	323,673	347,114
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	3,489	1,031	2,458	156	51	105	3,327	978	2,349
Hypertensive heart disease (I11)	24,689	10,451	14,238	1,211	648	563	23,343	9,725	13,618
Hypertensive heart and renal disease (I13)	2,826	1,169	1,657	160	76	84	2,650	1,086	1,564
Ischemic heart diseases (I20-I25)	502,189	254,005	248,184	20,664	11,019	9,645	479,842	242,054	237,788
Acute myocardial infarction (I21-I22)	184,757	95,875	88,882	7,403	3,972	3,431	176,895	91,655	85,240
Other acute ischemic heart diseases (I24)	3,351	1,720	1,631	63	42	21	3,284	1,675	1,609
Other forms of chronic ischemic heart disease (I20,I25)	314,081	156,410	157,671	13,198	7,005	6,193	299,663	148,724	150,939
Atherosclerotic cardiovascular disease, so described (I25.0)	68,103	35,440	32,663	3,150	1,928	1,222	64,534	33,247	31,287
All other forms of chronic ischemic heart disease (I20, I25.1-I25.9)	245,978	120,970	125,008	10,048	5,077	4,971	235,129	115,477	119,652
Other heart diseases (I26-I51)	166,949	72,439	94,510	4,899	2,401	2,498	161,625	69,830	91,795
Acute and subacute endocarditis (I33)	1,178	668	510	56	34	22	1,117	631	486
Diseases of pericardium and acute myocarditis (I30-I31,I40)	839	401	438	58	25	33	779	375	404
Heart failure (I50)	56,934	21,632	35,302	1,364	565	799	55,437	21,012	34,425
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	107,998	49,738	58,260	3,421	1,777	1,644	104,292	47,812	56,480
Essential (primary) hypertension and hypertensive renal disease (I10,I12)	19,250	7,254	11,996	889	365	524	18,306	6,856	11,450
Cerebrovascular diseases (I60-I69)	163,538	63,177	100,361	6,416	2,982	3,434	156,741	60,030	96,711
Atherosclerosis (I70)	14,086	5,143	8,943	416	172	244	13,626	4,952	8,674
Other diseases of circulatory system (I71-I78)	25,318	13,396	11,922	754	424	330	24,489	12,926	11,563
Aortic aneurysm and dissection (I71)	15,234	9,114	6,120	403	279	124	14,782	8,798	5,984
Other diseases of arteries, arterioles and capillaries (I72-I78)	10,084	4,282	5,802	351	145	206	9,707	4,128	5,579
Other disorders of circulatory system (I80-I99)	4,665	1,981	2,684	219	104	115	4,425	1,869	2,556
Influenza and pneumonia (J10-J18)	62,034	27,342	34,692	2,722	1,309	1,413	59,103	25,926	33,177
Influenza (J10-J11)	257	101	156	13	7	6	244	94	150
Pneumonia (J12-J18)	61,777	27,241	34,536	2,709	1,302	1,407	58,859	25,832	33,027
Other acute lower respiratory infections (J20-J22)	347	117	230	22	9	13	325	108	217
Acute bronchitis and bronchiolitis (J20-J21)	263	89	174	17	7	10	246	82	164
Unspecified acute lower respiratory infection (J22)	84	28	56	5	2	3	79	26	53
Chronic lower respiratory diseases (J40-J47)	123,013	59,697	63,316	2,832	1,482	1,350	119,839	58,028	61,811
Bronchitis, chronic and unspecified (J40-J42)	959	396	563	37	15	22	919	380	539
Emphysema (J43)	16,242	8,415	7,827	286	175	111	15,914	8,213	7,701
Asthma (J45-J46)	4,269	1,479	2,790	274	103	171	3,976	1,365	2,611
Other chronic lower respiratory diseases (J44,J47)	101,543	49,407	52,136	2,235	1,189	1,046	99,030	48,070	50,960
Pneumoconioses and chemical effects (J60-J66,J68)	1,136	1,095	41	26	25	1	1,108	1,068	40
Pneumonitis due to solids and liquids (J69)	17,301	8,576	8,725	555	283	272	16,700	8,270	8,430
Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98)	26,178	12,495	13,683	1,275	643	632	24,835	11,818	13,017
Peptic ulcer (K25-K28)	4,491	2,074	2,417	166	99	67	4,308	1,966	2,342
Diseases of appendix (K35-K38)	428	252	176	30	16	14	398	236	162
Hernia (K40-K46)	1,522	587	935	92	32	60	1,425	552	873
Chronic liver disease and cirrhosis (K70,K73-K74)	27,035	17,393	9,642	3,301	2,410	891	23,629	14,914	8,715
Alcoholic liver disease (K70)	12,207	8,932	3,275	1,729	1,457	272	10,423	7,431	2,992
Other chronic liver disease and cirrhosis (K73-K74)	14,828	8,461	6,367	1,572	953	619	13,206	7,483	5,723
Cholelithiasis and other disorders of gallbladder (K80-K82)	2,965	1,341	1,624	197	92	105	2,764	1,248	1,516

See footnotes at end of table.

Table 13. Number of deaths from 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Non-Hispanic White			Non-Hispanic Black			Origin not stated[2]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Nutritional deficiencies (E40-E64)	3,015	948	2,067	472	202	270	5	2	3
Malnutrition (E40-E46)	2,806	881	1,925	438	186	252	5	2	3
Other nutritional deficiencies (E50-E64)	209	67	142	34	16	18	-	-	-
Meningitis (G00,G03)	469	243	226	172	104	68	3	-	3
Parkinson's disease (G20-G21)	15,239	8,685	6,554	547	291	256	42	27	15
Alzheimer's disease (G30)	49,030	14,295	34,735	3,104	906	2,198	97	27	70
Major cardiovascular diseases (I00-I78)	764,021	352,013	412,008	103,213	47,646	55,567	2,820	1,490	1,330
Diseases of heart (I00-I09,I11,I13, I20-I51)	582,349	280,713	301,636	76,794	36,541	40,253	2,265	1,227	1,038
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	2,924	857	2,067	302	86	216	6	2	4
Hypertensive heart disease (I11)	16,991	6,728	10,263	5,880	2,760	3,120	135	78	57
Hypertensive heart and renal disease (I13)	1,759	687	1,072	821	370	451	16	7	9
Ischemic heart diseases (I20-I25)	420,959	212,928	208,031	50,295	24,255	26,040	1,683	932	751
Acute myocardial infarction (I21-I22)	155,312	81,175	74,137	18,399	8,628	9,771	459	248	211
Other acute ischemic heart diseases (I24)	2,756	1,386	1,370	453	249	204	4	3	1
Other forms of chronic ischemic heart disease (I20,I25)	262,891	130,367	132,524	31,443	15,378	16,065	1,220	681	539
Atherosclerotic cardiovascular disease, so described (I25.0)	53,031	26,960	26,071	10,156	5,476	4,680	419	265	154
All other forms of chronic ischemic heart disease (I20, I25.1-I25.9)	209,860	103,407	106,453	21,287	9,902	11,385	801	416	385
Other heart diseases (I26-I51)	139,716	59,513	80,203	19,496	9,070	10,426	425	208	217
Acute and subacute endocarditis (I33)	859	482	377	233	134	99	5	3	2
Diseases of pericardium and acute myocarditis (I30-I31,I40)	600	286	314	157	78	79	2	1	1
Heart failure (I50)	49,788	18,730	31,058	5,094	2,036	3,058	133	55	78
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	88,469	40,015	48,454	14,012	6,822	7,190	285	149	136
Essential (primary) hypertension and hypertensive renal disease (I10,I12)	13,837	4,970	8,867	4,012	1,698	2,314	55	33	22
Cerebrovascular diseases (I60-I69)	133,879	50,382	83,497	18,844	7,828	11,016	381	165	216
Atherosclerosis (I70)	12,517	4,511	8,006	957	365	592	44	19	25
Other diseases of circulatory system (I71-I78)	21,439	11,437	10,002	2,606	1,214	1,392	75	46	29
Aortic aneurysm and dissection (I71)	13,217	7,924	5,293	1,238	659	579	49	37	12
Other diseases of arteries, arterioles and capillaries (I72-I78)	8,222	3,513	4,709	1,368	555	813	26	9	17
Other disorders of circulatory system (I80-I99)	3,617	1,496	2,121	729	335	394	21	8	13
Influenza and pneumonia (J10-J18)	51,952	22,389	29,563	5,686	2,769	2,917	209	107	102
Influenza (J10-J11)	216	81	135	20	10	10	-	-	-
Pneumonia (J12-J18)	51,736	22,308	29,428	5,666	2,759	2,907	209	107	102
Other acute lower respiratory infections (J20-J22)	278	86	192	33	15	18	-	-	-
Acute bronchitis and bronchiolitis (J20-J21)	202	61	141	31	14	17	-	-	-
Unspecified acute lower respiratory infection (J22)	76	25	51	2	1	1	-	-	-
Chronic lower respiratory diseases (J40-J47)	110,753	52,952	57,801	7,504	4,143	3,361	342	187	155
Bronchitis, chronic and unspecified (J40-J42)	839	338	501	62	32	30	3	1	2
Emphysema (J43)	14,930	7,607	7,323	800	480	320	42	27	15
Asthma (J45-J46)	2,717	834	1,883	1,092	450	642	19	11	8
Other chronic lower respiratory diseases (J44,J47)	92,267	44,173	48,094	5,550	3,181	2,369	278	148	130
Pneumoconioses and chemical effects (J60-J66,J68)	1,046	1,008	38	56	54	2	2	2	-
Pneumonitis due to solids and liquids (J69)	14,843	7,411	7,432	1,584	731	853	46	23	23
Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98)	21,835	10,433	11,402	2,462	1,116	1,346	68	34	34
Peptic ulcer (K25-K28)	3,766	1,649	2,117	403	238	165	17	9	8
Diseases of appendix (K35-K38)	313	182	131	72	47	25	-	-	-
Hernia (K40-K46)	1,248	469	779	155	74	81	5	3	2
Chronic liver disease and cirrhosis (K70,K73-K74)	20,065	12,609	7,456	2,733	1,819	914	105	69	36
Alcoholic liver disease (K70)	8,635	6,209	2,426	1,331	926	405	55	44	11
Other chronic liver disease and cirrhosis (K73-K74)	11,430	6,400	5,030	1,402	893	509	50	25	25
Cholelithiasis and other disorders of gallbladder (K80-K82)	2,368	1,065	1,303	309	130	179	4	1	3

See footnotes at end of table.

Table 13. Number of deaths from 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All origins			Hispanic			Non-Hispanic[1]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	39,480	18,852	20,628	1,857	892	965	37,511	17,908	19,603
Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01, N04)	156	73	83	13	7	6	142	65	77
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (N02-N03,N05-N07, N26)	511	264	247	34	17	17	477	247	230
Renal failure (N17-N19)	38,784	18,509	20,275	1,806	867	939	36,867	17,591	19,276
Other disorders of kidney (N25,N27)	29	6	23	4	1	3	25	5	20
Infections of kidney (N10-N12,N13.6, N15.1)	748	213	535	33	10	23	714	203	511
Hyperplasia of prostate (N40)	439	439	. . .	11	11	. . .	423	423	. . .
Inflammatory diseases of female pelvic organs (N70-N76)	127	. . .	127	5	. . .	5	122	. . .	122
Pregnancy, childbirth and the puerperium (O00-O99)	416	. . .	416	83	. . .	83	332	. . .	332
Pregnancy with abortive outcome (O00-O07)	38	. . .	38	1	. . .	1	37	. . .	37
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	378	. . .	378	82	. . .	82	295	. . .	295
Certain conditions originating in the perinatal period (P00-P96)	13,887	7,868	6,019	2,227	1,268	959	11,500	6,511	4,989
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	10,442	5,448	4,994	1,632	892	740	8,748	4,527	4,221
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	32,326	15,779	16,547	2,190	1,410	780	29,931	14,246	15,685
All other diseases (Residual)	186,406	75,162	111,244	7,847	3,849	3,998	177,985	71,014	106,971
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	101,537	66,060	35,477	9,523	7,157	2,366	91,522	58,528	32,994
Transport accidents (V01-V99,Y85)	47,288	32,794	14,494	5,774	4,334	1,440	41,339	28,327	13,012
Motor vehicle accidents (V02-V04, V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5, V81.0-V81.1,V82.0-V82.1,V83-V86, V87.0-V87.8,V88.0-V88.8,V89.0, V89.2)	43,788	30,064	13,724	5,272	3,987	1,285	38,362	25,962	12,400
Other land transport accidents (V01,V05-V06,V09.1,V09.3-V09.9, V10-V11,V15-V18,V19.3, V19.8-V19.9,V80.0-V80.2, V80.6-V80.9,V81.2-V81.9, V82.2-V82.9,V87.9,V88.9,V89.1, V89.3,V89.9)	1,405	1,067	338	200	173	27	1,187	878	309
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85)	2,095	1,663	432	302	174	128	1,790	1,487	303
Nontransport accidents (W00-X59,Y86)	54,249	33,266	20,983	3,749	2,823	926	50,183	30,201	19,982
Falls (W00-W19)	15,019	8,089	6,930	757	525	232	14,204	7,527	6,677
Accidental discharge of firearms (W32-W34)	802	690	112	86	76	10	715	613	102
Accidental drowning and submersion (W65-W74)	3,281	2,560	721	421	348	73	2,832	2,188	644
Accidental exposure to smoke, fire and flames (X00-X09)	3,309	1,998	1,311	176	109	67	3,106	1,873	1,233
Accidental poisoning and exposure to noxious substances (X40-X49)	14,078	9,885	4,193	1,324	1,061	263	12,631	8,720	3,911
Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99, X10-X39,X50-X59,Y86)	17,760	10,044	7,716	985	704	281	16,695	9,280	7,415
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) [3]	30,622	24,672	5,950	1,850	1,576	274	28,647	22,983	5,664
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	16,869	14,758	2,111	798	731	67	16,020	13,978	2,042
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84,Y87.0) [3]	13,753	9,914	3,839	1,052	845	207	12,627	9,005	3,622
Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) [3]	20,308	15,555	4,753	3,331	2,756	575	16,726	12,608	4,118
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	11,348	9,532	1,816	2,123	1,892	231	9,134	7,559	1,575

See footnotes at end of table.

Table 13. Number of deaths from 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Non-Hispanic White			Non-Hispanic Black			Origin not stated[2]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	29,449	14,331	15,118	7,214	3,158	4,056	112	52	60
Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01, N04)	116	52	64	21	9	12	1	1	-
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (N02-N03,N05-N07, N26)	384	200	184	68	36	32	-	-	-
Renal failure (N17-N19)	28,932	14,076	14,856	7,119	3,111	4,008	111	51	60
Other disorders of kidney (N25,N27)	17	3	14	6	2	4	-	-	-
Infections of kidney (N10-N12,N13.6, N15.1)	614	166	448	80	28	52	1	-	1
Hyperplasia of prostate (N40)	388	388	. . .	31	31	. . .	5	5	. . .
Inflammatory diseases of female pelvic organs (N70-N76)	98	. . .	98	23	. . .	23	-	. . .	-
Pregnancy, childbirth and the puerperium (O00-O99)	156	. . .	156	154	. . .	154	1	. . .	1
Pregnancy with abortive outcome (O00-O07)	19	. . .	19	16	. . .	16	-	. . .	-
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	137	. . .	137	138	. . .	138	1	. . .	1
Certain conditions originating in the perinatal period (P00-P96)	6,323	3,574	2,749	4,713	2,674	2,039	160	89	71
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	6,709	3,487	3,222	1,674	861	813	62	29	33
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	24,596	11,404	13,192	4,606	2,414	2,192	205	123	82
All other diseases (Residual)	153,156	60,022	93,134	21,752	9,561	12,191	574	299	275
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	76,262	48,180	28,082	12,239	8,381	3,858	492	375	117
Transport accidents (V01-V99,Y85)	33,753	23,047	10,706	5,803	4,143	1,660	175	133	42
Motor vehicle accidents (V02-V04, V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5, V81.0-V81.1,V82.0-V82.1,V83-V86, V87.0-V87.8,V88.0-V88.8,V89.0, V89.2)	31,283	21,073	10,210	5,423	3,842	1,581	154	115	39
Other land transport accidents (V01,V05-V06,V09.1,V09.3-V09.9, V10-V11,V15-V18,V19.3, V19.8-V19.9,V80.0-V80.2, V80.6-V80.9,V81.2-V81.9, V82.2-V82.9,V87.9,V88.9,V89.1, V89.3,V89.9)	901	673	228	216	159	57	18	16	2
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85)	1,569	1,301	268	164	142	22	3	2	1
Nontransport accidents (W00-X59,Y86)	42,509	25,133	17,376	6,436	4,238	2,198	317	242	75
Falls (W00-W19)	13,037	6,785	6,252	837	537	300	58	37	21
Accidental discharge of firearms (W32-W34)	591	506	85	110	97	13	1	1	-
Accidental drowning and submersion (W65-W74)	2,082	1,577	505	570	471	99	28	24	4
Accidental exposure to smoke, fire and flames (X00-X09)	2,204	1,322	882	829	501	328	27	16	11
Accidental poisoning and exposure to noxious substances (X40-X49)	10,269	7,111	3,158	2,122	1,452	670	123	104	19
Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99, X10-X39,X50-X59,Y86)	14,326	7,832	6,494	1,968	1,180	788	80	60	20
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)[3]	25,813	20,710	5,103	1,904	1,578	326	125	113	12
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	14,648	12,771	1,877	1,069	949	120	51	49	2
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84,Y87.0)[3]	11,165	7,939	3,226	835	629	206	74	64	10
Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)[3]	7,928	5,453	2,475	8,077	6,658	1,419	251	191	60
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	3,085	2,172	913	5,790	5,190	600	91	81	10

See footnotes at end of table.

Table 13. Number of deaths from 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All origins			Hispanic			Non-Hispanic[1]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Assault (homicide) by other and unspecified means and their sequelae (*U01.0-*U01.3,*U01.5-*U01.9,*U02, X85-X92,X96-Y09,Y87.1) [3]	8,960	6,023	2,937	1,208	864	344	7,592	5,049	2,543
Legal intervention (Y35,Y89.0)	396	380	16	65	65	-	330	314	16
Events of undetermined intent (Y10-Y34,Y87.2,Y89.9)	4,198	2,833	1,365	283	216	67	3,876	2,586	1,290
Discharge of firearms, undetermined intent (Y22-Y24)	231	190	41	21	16	5	208	172	36
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2,Y89.9)	3,967	2,643	1,324	262	200	62	3,668	2,414	1,254
Operations of war and their sequelae (Y36,Y89.1)	17	16	1	2	2	-	15	14	1
Complications of medical and surgical care (Y40-Y84,Y88)	3,021	1,357	1,664	145	65	80	2,861	1,286	1,575

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Non-Hispanic White			Non-Hispanic Black			Origin not stated[2]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Assault (homicide) by other and unspecified means and their sequelae (*U01.0-*U01.3,*U01.5-*U01.9,*U02, X85-X92,X96-Y09,Y87.1) [3]	4,843	3,281	1,562	2,287	1,468	819	160	110	50
Legal intervention (Y35,Y89.0)	230	221	9	82	77	5	1	1	-
Events of undetermined intent (Y10-Y34,Y87.2,Y89.9)	3,155	2,054	1,101	629	467	162	39	31	8
Discharge of firearms, undetermined intent (Y22-Y24)	166	133	33	31	28	3	2	2	-
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2,Y89.9)	2,989	1,921	1,068	598	439	159	37	29	8
Operations of war and their sequelae (Y36,Y89.1)	14	13	1	1	1	-	-	-	-
Complications of medical and surgical care (Y40-Y84,Y88)	2,294	1,016	1,278	515	247	268	15	6	9

- Quantity zero.
. . . Category not applicable.
1 Includes races other than white and black.
2 Includes deaths for which Hispanic origin was not reported on the death certificate.
3 Figures include September 11, 2001 related deaths for which death certificates were filed as of 10/24/02; see Technical Notes and Table D.

NOTE: Complete confirmation of deaths from selected causes of death, considered to be of public health concern, were not provided by the District of Columbia and the following States--California, Illinois, Indiana, Kansas, Kentucky, Maine, Minnesota, Montana, New Jersey, New York, North Dakota, Ohio, Oklahoma, Pennsylvania, and Rhode Island; see Technical Notes.

Table 14. Death rates for 113 selected causes by race and sex: United States, 2001

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	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	848.5	846.4	850.4	895.1	881.9	907.9	642.1	684.6	602.9	773.5	823.9	727.7
Salmonella infections (A01-A02)	0.0	0.0	0.0	0.0	*	*	*	*	*	*	*	*
Shigellosis and amebiasis (A03,A06)	*	*	*	*	*	*	*	*	*	*	*	*
Certain other intestinal infections (A04,A07-A09)	0.5	0.4	0.7	0.6	0.5	0.8	0.2	0.2	0.2	0.3	0.2	0.3
Tuberculosis (A16-A19)	0.3	0.3	0.2	0.2	0.2	0.2	0.6	0.7	0.4	0.5	0.7	0.4
Respiratory tuberculosis (A16)	0.2	0.3	0.2	0.2	0.2	0.1	0.4	0.6	0.3	0.4	0.6	0.3
Other tuberculosis (A17-A19)	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Whooping cough (A37)	*	*	*	*	*	*	*	*	*	*	*	*
Scarlet fever and erysipelas (A38,A46)	*	*	*	*	*	*	*	*	*	*	*	*
Meningococcal infection (A39)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	0.1	*	*
Septicemia (A40-A41)	11.3	10.2	12.4	11.1	9.9	12.3	12.3	11.7	12.8	15.8	14.9	16.7
Syphilis (A50-A53)	0.0	*	*	0.0	*	*	*	*	*	*	*	*
Acute poliomyelitis (A80)	*	*	*	*	*	*	*	*	*	*	*	*
Arthropod-borne viral encephalitis (A83-A84,A85.2)	*	*	*	*	*	*	*	*	*	*	*	*
Measles (B05)	*	*	*	*	*	*	*	*	*	*	*	*
Viral hepatitis (B15-B19)	2.0	2.5	1.4	1.9	2.5	1.3	2.2	2.5	1.8	2.2	2.7	1.8
Human immunodeficiency virus (HIV) disease (B20-B24)	5.0	7.6	2.5	2.7	4.5	0.9	15.3	21.7	9.3	21.1	30.1	12.9
Malaria (B50-B54)	*	*	*	*	*	*	*	*	*	*	*	*
Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36,A42-A44, A48-A49,A54-A79,A81-A82,A85.0-A85.1,A85.8, A86-B04,B06-B09,B25-B49,B55-B99)	2.0	2.1	1.9	2.0	2.1	1.9	2.0	2.1	1.8	2.2	2.4	2.0
Malignant neoplasms (C00-C97)	194.4	205.3	183.9	206.4	216.4	196.7	141.3	154.8	128.9	167.1	184.5	151.3
Malignant neoplasms of lip, oral cavity, and pharynx (C00-C14)	2.7	3.7	1.8	2.7	3.6	1.9	2.5	3.9	1.3	2.9	4.4	1.5
Malignant neoplasm of esophagus (C15)	4.4	6.9	2.0	4.6	7.2	2.1	3.6	5.6	1.8	4.5	7.0	2.3
Malignant neoplasm of stomach (C16)	4.3	5.1	3.5	4.1	4.9	3.3	5.4	6.5	4.4	5.6	6.7	4.5
Malignant neoplasms of colon, rectum and anus (C18-C21)	20.0	20.2	19.8	21.0	21.2	20.7	15.5	15.5	15.6	18.6	18.4	18.8
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	4.7	6.1	3.4	4.6	5.9	3.3	5.1	6.8	3.5	4.5	5.9	3.2
Malignant neoplasm of pancreas (C25)	10.5	10.3	10.6	11.1	11.0	11.2	7.7	7.3	8.1	9.1	8.6	9.6
Malignant neoplasm of larynx (C32)	1.3	2.2	0.5	1.3	2.1	0.5	1.4	2.4	0.5	1.8	3.1	0.7
Malignant neoplasm of trachea, bronchus and lung (C33-C34)	54.8	64.7	45.3	59.1	68.6	49.8	35.8	46.8	25.7	43.1	57.2	30.2
Malignant melanoma of skin (C43)	2.6	3.4	1.9	3.2	4.1	2.3	0.3	0.2	0.3	0.3	0.2	0.3
Malignant neoplasm of breast (C50)	14.7	0.3	28.6	15.2	0.3	29.8	12.2	0.3	23.1	15.0	0.4	28.3
Malignant neoplasm of cervix uteri (C53)	1.4	. . .	2.8	1.3	. . .	2.7	1.8	. . .	3.5	2.1	. . .	4.0
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	2.4	. . .	4.7	2.4	. . .	4.8	2.2	. . .	4.3	2.8	. . .	5.4
Malignant neoplasm of ovary (C56)	5.1	. . .	9.9	5.6	. . .	11.0	2.8	. . .	5.4	3.1	. . .	5.9
Malignant neoplasm of prostate (C61)	10.8	22.0	. . .	10.8	21.9	. . .	10.8	22.5	. . .	14.2	29.7	. . .
Malignant neoplasms of kidney and renal pelvis (C64-C65)	4.2	5.4	3.1	4.6	5.8	3.4	2.6	3.3	1.9	3.0	3.8	2.2
Malignant neoplasm of bladder (C67)	4.3	6.0	2.7	4.8	6.8	2.9	2.0	2.2	1.8	2.4	2.5	2.2
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	4.4	5.0	3.9	5.0	5.7	4.4	1.9	2.1	1.7	2.0	2.2	1.8
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	19.8	21.5	18.1	21.5	23.3	19.7	12.1	13.1	11.2	14.1	15.1	13.1
Hodgkin's disease (C81)	0.5	0.5	0.4	0.5	0.6	0.4	0.3	0.3	0.3	0.4	0.4	0.3

See footnotes at end of table.

Table 14. Death rates for 113 selected causes by race and sex: United States, 2001 - Con.

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All races			White			All other					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Non-Hodgkin's lymphoma (C82-C85)	7.8	8.4	7.3	8.8	9.3	8.2	3.8	4.2	3.3	4.0	4.5	3.6
Leukemia (C91-C95)	7.5	8.5	6.6	8.3	9.3	7.3	4.2	4.7	3.8	4.7	5.2	4.3
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	3.9	4.1	3.8	3.9	4.2	3.7	3.8	3.8	3.8	4.9	4.9	4.9
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	0.0	0.0	0.0	0.0	0.0	0.0	*	*	*	*	*	*
All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31,C37-C41,C44-C49, C51-C52,C57-C60,C62-C63,C66,C68-C69, C73-C80,C97)	22.0	22.6	21.4	23.5	24.0	22.9	15.6	16.5	14.8	18.3	19.4	17.3
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	4.8	4.8	4.8	5.3	5.3	5.2	2.7	2.6	2.8	3.1	3.0	3.2
Anemias (D50-D64)	1.6	1.3	2.0	1.5	1.1	1.9	2.1	1.9	2.2	2.7	2.5	2.8
Diabetes mellitus (E10-E14)	25.1	23.5	26.6	24.6	23.5	25.7	27.1	23.6	30.3	33.1	28.5	37.2
Nutritional deficiencies (E40-E64)	1.3	0.9	1.7	1.4	0.9	1.8	1.1	0.9	1.2	1.3	1.2	1.4
Malnutrition (E40-E46)	1.2	0.8	1.6	1.3	0.8	1.7	1.0	0.9	1.1	1.2	1.1	1.3
Other nutritional deficiencies (E50-E64)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	0.1	0.1	*	*
Meningitis (G00,G03)	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.5	0.3	0.5	0.6	0.4
Parkinson's disease (G20-G21)	5.8	6.7	4.9	6.8	7.8	5.8	1.5	1.7	1.3	1.5	1.7	1.3
Alzheimer's disease (G30)	18.9	11.3	26.3	21.7	12.8	30.3	6.7	4.2	9.0	8.4	5.1	11.3
Major cardiovascular diseases (I00-I78)	323.9	306.2	340.9	344.8	323.5	365.5	231.3	227.2	235.0	280.4	272.4	287.8
Diseases of heart (I00-I09,I11,I13,I20-I51)	245.8	242.5	249.0	262.8	257.8	267.7	170.7	173.1	168.4	208.8	209.0	208.6
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	1.2	0.7	1.7	1.3	0.8	1.8	0.8	0.5	1.0	0.8	0.5	1.1
Hypertensive heart disease (I11)	8.7	7.5	9.8	7.8	6.4	9.2	12.3	12.1	12.5	16.0	15.9	16.2
Hypertensive heart and renal disease (I13)	1.0	0.8	1.1	0.8	0.7	1.0	1.7	1.6	1.8	2.2	2.1	2.3
Ischemic heart disease (I20-I25)	176.3	181.7	171.2	190.5	195.8	185.3	113.7	117.4	110.3	136.9	138.9	135.2
Acute myocardial infarction (I21-I22)	64.9	68.6	61.3	70.1	74.4	66.0	41.6	42.1	41.1	50.0	49.2	50.6
Other acute ischemic heart diseases (I24)	1.2	1.2	1.1	1.2	1.2	1.2	1.0	1.1	0.9	1.2	1.4	1.1
Other forms of chronic ischemic heart disease (I20,I25)	110.3	111.9	108.8	119.1	120.1	118.1	71.1	74.2	68.3	85.8	88.2	83.5
Atherosclerotic cardiovascular disease, so described (I25.0)	23.9	25.3	22.5	24.3	25.3	23.3	22.3	25.4	19.4	27.7	31.5	24.3
All other forms of chronic ischemic heart disease (I20, I25.1-I25.9)	86.4	86.5	86.2	94.8	94.8	94.9	48.9	48.7	49.0	58.0	56.7	59.2
Other heart diseases (I26-I51)	58.6	51.8	65.2	62.3	54.1	70.4	42.1	41.4	42.8	52.8	51.7	53.8
Acute and subacute endocarditis (I33)	0.4	0.5	0.4	0.4	0.5	0.3	0.5	0.6	0.4	0.6	0.8	0.5
Diseases of pericardium and acute myocarditis (I30-I31,I40)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.4
Heart failure (I50)	20.0	15.5	24.3	22.1	16.9	27.1	10.8	9.1	12.4	13.8	11.6	15.8
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	37.9	35.6	40.2	39.6	36.5	42.6	30.4	31.3	29.6	38.0	38.9	37.2
Essential (primary) hypertension and hypertensive renal disease (I10,I12)	6.8	5.2	8.3	6.3	4.7	8.0	8.6	7.6	9.5	10.9	9.7	11.9
Cerebrovascular diseases (I60-I69)	57.4	45.2	69.2	60.5	46.6	74.0	44.0	38.8	48.8	51.1	44.6	56.9
Atherosclerosis (I70)	4.9	3.7	6.2	5.6	4.1	7.0	2.1	1.8	2.5	2.6	2.1	3.1
Other diseases of circulatory system (I71-I78)	8.9	9.6	8.2	9.6	10.4	8.8	5.9	6.0	5.8	7.1	6.9	7.2
Aortic aneurysm and dissection (I71)	5.3	6.5	4.2	5.9	7.2	4.6	3.0	3.5	2.5	3.4	3.8	3.0
Other diseases of arteries, arterioles and capillaries (I72-I78)	3.5	3.1	4.0	3.7	3.2	4.2	2.9	2.5	3.2	3.7	3.2	4.2
Other disorders of circulatory system (I80-I99)	1.6	1.4	1.9	1.7	1.4	1.9	1.6	1.5	1.6	2.0	1.9	2.1
Influenza and pneumonia (J10-J18)	21.8	19.6	23.9	23.6	20.7	26.4	13.8	14.3	13.4	15.5	15.9	15.2

See footnotes at end of table.

Table 14. Death rates for 113 selected causes by race and sex: United States, 2001 - Con.

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All races			White			All other					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Influenza (J10-J11)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	*	0.1	*	*
Pneumonia (J12-J18)	21.7	19.5	23.8	23.5	20.6	26.2	13.8	14.3	13.4	15.5	15.8	15.1
Other acute lower respiratory infections (J20-J22)	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	*	*
Acute bronchitis and bronchiolitis (J20-J21)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	*
Unspecified acute lower respiratory infection (J22)	0.0	0.0	0.0	0.0	0.0	0.0	*	*	*	*	*	*
Chronic lower respiratory diseases (J40-J47)	43.2	42.7	43.7	49.0	47.6	50.3	17.5	20.4	14.9	20.4	23.6	17.5
Bronchitis, chronic and unspecified (J40-J42)	0.3	0.3	0.4	0.4	0.3	0.4	0.2	0.2	0.1	0.2	0.2	0.2
Emphysema (J43)	5.7	6.0	5.4	6.6	6.8	6.3	1.9	2.5	1.4	2.2	2.7	1.7
Asthma (J45-J46)	1.5	1.1	1.9	1.3	0.8	1.7	2.4	2.2	2.7	3.0	2.6	3.3
Other chronic lower respiratory diseases (J44,J47)	35.7	35.3	36.0	40.8	39.7	41.8	13.0	15.6	10.6	15.1	18.1	12.3
Pneumoconioses and chemical effects (J60-J66,J68)	0.4	0.8	0.0	0.5	0.9	0.0	0.1	0.2	*	0.2	0.3	*
Pneumonitis due to solids and liquids (J69)	6.1	6.1	6.0	6.6	6.7	6.6	3.6	3.5	3.7	4.3	4.2	4.4
Other diseases of respiratory system (J00-J06,J30-J39, J67,J70-J98)	9.2	8.9	9.4	10.0	9.7	10.2	5.8	5.6	6.0	6.7	6.4	7.0
Peptic ulcer (K25-K28)	1.6	1.5	1.7	1.7	1.5	1.9	1.0	1.3	0.8	1.1	1.4	0.9
Diseases of appendix (K35-K38)	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.3	0.1
Hernia (K40-K46)	0.5	0.4	0.6	0.6	0.4	0.7	0.3	0.3	0.3	0.4	0.4	0.4
Chronic liver disease and cirrhosis (K70,K73-K74)	9.5	12.4	6.7	10.1	13.1	7.1	6.9	9.3	4.7	7.5	10.4	4.8
Alcoholic liver disease (K70)	4.3	6.4	2.3	4.5	6.7	2.3	3.5	4.9	2.1	3.6	5.3	2.1
Other chronic liver disease and cirrhosis (K73-K74)	5.2	6.1	4.4	5.6	6.4	4.8	3.4	4.4	2.6	3.8	5.1	2.7
Cholelithiasis and other disorders of gallbladder (K80-K82)	1.0	1.0	1.1	1.1	1.0	1.2	0.8	0.7	0.8	0.8	0.7	0.9
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	13.9	13.5	14.2	13.5	13.3	13.7	15.5	14.4	16.6	19.6	18.0	21.0
Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01,N04)	0.1	0.1	0.1	0.1	0.1	0.1	0.0	*	*	0.1	*	*
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (N02-N03,N05-N07,N26)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Renal failure (N17-N19)	13.6	13.2	14.0	13.2	13.0	13.4	15.3	14.1	16.3	19.3	17.7	20.7
Other disorders of kidney (N25,N27)	0.0	*	0.0	0.0	*	*	*	*	*	*	*	*
Infections of kidney (N10-N12,N13.6,N15.1)	0.3	0.2	0.4	0.3	0.2	0.4	0.2	0.1	0.2	0.2	0.2	0.3
Hyperplasia of prostate (N40)	0.2	0.3	. . .	0.2	0.4	. . .	0.1	0.1	. . .	0.1	0.2	. . .
Inflammatory diseases of female pelvic organs (N70-N76)	0.0	. . .	0.1	0.0	. . .	0.1	0.0	. . .	0.1	0.1	. . .	0.1
Pregnancy, childbirth and the puerperium (O00-O99)	0.1	. . .	0.3	0.1	. . .	0.2	0.3	. . .	0.7	0.4	. . .	0.8
Pregnancy with abortive outcome (O00-O07)	0.0	. . .	0.0	0.0	. . .	0.0	*	. . .	*	*	. . .	*
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	0.1	. . .	0.3	0.1	. . .	0.2	0.3	. . .	0.6	0.4	. . .	0.7
Certain conditions originating in the perinatal period (P00-P96)	4.9	5.6	4.2	3.7	4.2	3.1	10.2	12.0	8.5	13.0	15.5	10.8
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3.7	3.9	3.4	3.6	3.8	3.4	4.0	4.3	3.8	4.6	5.0	4.3
Symptoms, signs, and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	11.4	11.3	11.4	11.6	11.2	11.9	10.4	11.6	9.3	12.6	13.9	11.4
All other diseases (Residual)	65.5	53.8	76.7	69.4	55.8	82.7	47.9	44.3	51.2	59.1	54.6	63.1
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	35.7	47.2	24.5	37.0	48.4	25.9	29.7	42.0	18.3	33.5	48.2	20.1
Transport accidents (V01-V99,Y85)	16.6	23.5	10.0	17.0	23.9	10.3	14.8	21.4	8.6	15.9	23.8	8.7

See footnotes at end of table.

Table 14. Death rates for 113 selected causes by race and sex: United States, 2001 - Con.

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All races			White			All other					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Motor vehicle accidents (V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1, V82.0-V82.1,V83-V86,V87.0-V87.8,V88.0-V88.8, V89.0,V89.2)	15.4	21.5	9.5	15.7	21.9	9.8	13.8	19.8	8.2	14.8	22.0	8.2
Other land transport accidents (V01,V05-V06,V09.1,V09.3-V09.9,V10-V11, V15-V18,V19.3,V19.8-V19.9,V80.0-V80.2, V80.6-V80.9,V81.2-V81.9,V82.2-V82.9,V87.9, V88.9,V89.1,V89.3,V89.9)	0.5	0.8	0.2	0.5	0.7	0.2	0.6	0.9	0.3	0.6	0.9	0.3
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85)	0.7	1.2	0.3	0.8	1.3	0.3	0.4	0.8	0.2	0.5	0.8	0.1
Nontransport accidents (W00-X59,Y86)	19.0	23.8	14.5	20.0	24.5	15.6	14.9	20.6	9.7	17.6	24.4	11.5
Falls (W00-W19)	5.3	5.8	4.8	6.0	6.4	5.5	2.3	3.0	1.6	2.3	3.1	1.6
Accidental discharge of firearms (W32-W34)	0.3	0.5	0.1	0.3	0.5	0.1	0.2	0.4	*	0.3	0.6	*
Accidental drowning and submersion (W65-W74)	1.2	1.8	0.5	1.1	1.7	0.5	1.5	2.5	0.5	1.6	2.7	0.5
Accidental exposure to smoke, fire and flames (X00-X09)	1.2	1.4	0.9	1.0	1.3	0.8	1.8	2.2	1.3	2.3	2.9	1.7
Accidental poisoning and exposure to noxious substances (X40-X49)	4.9	7.1	2.9	5.0	7.2	2.9	4.6	6.6	2.8	5.8	8.4	3.5
Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99, X10-X39,X50-X59,Y86)	6.2	7.2	5.3	6.6	7.5	5.8	4.6	5.9	3.4	5.4	6.8	4.1
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) [1]	10.8	17.6	4.1	11.9	19.5	4.6	5.6	9.3	2.1	5.3	9.2	1.7
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	5.9	10.6	1.5	6.7	11.8	1.7	2.7	4.9	0.6	2.9	5.5	0.6
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84, Y87.0) [1]	4.8	7.1	2.6	5.3	7.7	2.9	2.9	4.4	1.5	2.3	3.7	1.1
Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) [1]	7.1	11.1	3.3	4.9	7.2	2.6	17.1	29.0	6.2	22.1	38.3	7.4
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	4.0	6.8	1.3	2.2	3.5	1.0	11.7	21.8	2.5	15.8	29.8	3.1
Assault (homicide) by other and unspecified means and their sequelae (*U01.0-*U01.3,*U01.5-*U01.9,*U02, X85-X92,X96-Y09,Y87.1) [1]	3.1	4.3	2.0	2.6	3.7	1.6	5.4	7.2	3.7	6.3	8.5	4.3
Legal intervention (Y35,Y89.0)	0.1	0.3	*	0.1	0.2	*	0.2	0.4	*	0.2	0.4	*
Events of undetermined intent (Y10-Y34,Y87.2,Y89.9)	1.5	2.0	0.9	1.5	2.0	1.0	1.4	2.2	0.7	1.7	2.7	0.9
Discharge of firearms, undetermined intent (Y22-Y24)	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.2	*	0.1	0.2	*
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2, Y89.9)	1.4	1.9	0.9	1.4	1.9	1.0	1.3	2.0	0.7	1.7	2.5	0.8
Operations of war and their sequelae (Y36,Y89.1)	*	*	*	*	*	*	*	*	*	*	*	*
Complications of medical and surgical care (Y40-Y84,Y88)	1.1	1.0	1.1	1.1	0.9	1.2	1.1	1.1	1.1	1.4	1.4	1.4

0.0 Quantity more than zero but less than 0.05.
* Figure does not meet standards of reliability or precision, see Technical Notes.
. . . Category not applicable.
[1] Figures include September 11, 2001 related deaths for which death certificates were filed as of 10/24/02; see Technical Notes and Table D.

NOTE: Complete confirmation of deaths from selected causes of death, considered to be of public health concern, were not provided by the District of Columbia and the following States--California, Illinois, Indiana, Kansas, Kentucky, Maine, Minnesota, Montana, New Jersey, New York, North Dakota, Ohio, Oklahoma, Pennsylvania, and Rhode Island; see Technical Notes.

Table 15. Death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All origins[1]			Hispanic			Non-Hispanic[2]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All causes	848.5	846.4	850.4	306.8	332.9	279.0	926.2	923.6	928.6
Salmonella infections (A01-A02)	0.0	0.0	0.0	*	*	*	0.0	*	0.0
Shigellosis and amebiasis (A03,A06)	*	*	*	*	*	*	*	*	*
Certain other intestinal infections (A04,A07-A09)	0.5	0.4	0.7	0.1	*	0.2	0.6	0.5	0.7
Tuberculosis (A16-A19)	0.3	0.3	0.2	0.3	0.4	0.2	0.3	0.3	0.2
Respiratory tuberculosis (A16)	0.2	0.3	0.2	0.2	0.3	0.1	0.2	0.3	0.2
Other tuberculosis (A17-A19)	0.1	0.1	0.1	0.1	*	*	0.1	0.1	0.1
Whooping cough (A37)	*	*	*	*	*	*	*	*	*
Scarlet fever and erysipelas (A38,A46)	*	*	*	*	*	*	*	*	*
Meningococcal infection (A39)	0.1	0.1	0.1	0.1	*	*	0.1	0.1	0.1
Septicemia (A40-A41)	11.3	10.2	12.4	3.7	3.6	3.9	12.4	11.2	13.5
Syphilis (A50-A53)	0.0	*	*	*	*	*	0.0	*	*
Acute poliomyelitis (A80)	*	*	*	*	*	*	*	*	*
Arthropod-borne viral encephalitis (A83-A84,A85.2)	*	*	*	*	*	*	*	*	*
Measles (B05)	*	*	*	*	*	*	*	*	*
Viral hepatitis (B15-B19)	2.0	2.5	1.4	2.1	2.6	1.7	1.9	2.5	1.4
Human immunodeficiency virus (HIV) disease (B20-B24)	5.0	7.6	2.5	5.0	7.6	2.3	4.9	7.5	2.5
Malaria (B50-B54)	*	*	*	*	*	*	*	*	*
Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36,A42-A44,A48-A49, A54-A79,A81-A82,A85.0-A85.1, A85.8,A86-B04,B06-B09,B25-B49, B55-B99)	2.0	2.1	1.9	1.1	1.3	1.0	2.1	2.2	2.1
Malignant neoplasms (C00-C97)	194.4	205.3	183.9	60.5	62.2	58.7	213.9	227.2	201.2
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	2.7	3.7	1.8	0.8	1.2	0.5	3.0	4.1	1.9
Malignant neoplasm of esophagus (C15)	4.4	6.9	2.0	1.1	1.7	0.5	4.9	7.7	2.2
Malignant neoplasm of stomach (C16)	4.3	5.1	3.5	3.2	3.6	2.8	4.5	5.4	3.6
Malignant neoplasms of colon, rectum and anus (C18-C21)	20.0	20.2	19.8	6.1	6.2	5.9	22.0	22.3	21.7
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	4.7	6.1	3.4	3.4	4.3	2.5	4.9	6.3	3.5
Malignant neoplasm of pancreas (C25)	10.5	10.3	10.6	3.6	3.4	3.9	11.5	11.4	11.5
Malignant neoplasm of larynx (C32)	1.3	2.2	0.5	0.4	0.7	0.1	1.5	2.4	0.6
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	54.8	64.7	45.3	10.3	13.1	7.4	61.3	72.6	50.5
Malignant melanoma of skin (C43)	2.6	3.4	1.9	0.4	0.4	0.4	3.0	3.9	2.1
Malignant neoplasm of breast (C50)	14.7	0.3	28.6	4.8	*	9.7	16.1	0.3	31.1
Malignant neoplasm of cervix uteri (C53)	1.4	. . .	2.8	1.1	. . .	2.3	1.5	. . .	2.9
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	2.4	. . .	4.7	0.9	. . .	1.8	2.6	. . .	5.1
Malignant neoplasm of ovary (C56)	5.1	. . .	9.9	1.6	. . .	3.4	5.6	. . .	10.9
Malignant neoplasm of prostate (C61)	10.8	22.0	. . .	3.3	6.4	. . .	11.9	24.3	. . .
Malignant neoplasms of kidney and renal pelvis (C64-C65)	4.2	5.4	3.1	1.7	2.2	1.2	4.6	5.9	3.4
Malignant neoplasm of bladder (C67)	4.3	6.0	2.7	0.9	1.2	0.6	4.8	6.7	3.0
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	4.4	5.0	3.9	1.7	1.8	1.6	4.8	5.5	4.2
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	19.8	21.5	18.1	7.4	8.3	6.5	21.6	23.5	19.7
Hodgkin's disease (C81)	0.5	0.5	0.4	0.3	0.3	0.2	0.5	0.5	0.4
Non-Hodgkin's lymphoma (C82-C85)	7.8	8.4	7.3	2.7	3.0	2.4	8.6	9.2	8.0
Leukemia (C91-C95)	7.5	8.5	6.6	3.0	3.4	2.6	8.2	9.3	7.2
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	3.9	4.1	3.8	1.4	1.5	1.3	4.3	4.5	4.1
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	0.0	0.0	0.0	*	*	*	0.0	0.0	0.0
All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31, C37-C41,C44-C49,C51-C52, C57-C60,C62-C63,C66,C68-C69, C73-C80,C97)	22.0	22.6	21.4	7.7	7.7	7.7	24.1	24.9	23.3
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	4.8	4.8	4.8	1.5	1.5	1.5	5.3	5.3	5.2

See footnotes at end of table.

Table 15. Death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Non-Hispanic White			Non-Hispanic Black		
	Both sexes	Male	Female	Both sexes	Male	Female
All causes	991.1	975.6	1,006.1	798.1	849.7	751.2
Salmonella infections (A01-A02)	0.0	*	*	*	*	*
Shigellosis and amebiasis (A03,A06)	*	*	*	*	*	*
Certain other intestinal infections (A04,A07-A09)	0.7	0.5	0.9	0.3	0.2	0.3
Tuberculosis (A16-A19)	0.2	0.2	0.2	0.6	0.7	0.4
Respiratory tuberculosis (A16)	0.1	0.2	0.1	0.4	0.6	0.3
Other tuberculosis (A17-A19)	0.0	0.0	0.0	0.1	0.1	0.1
Whooping cough (A37)	*	*	*	*	*	*
Scarlet fever and erysipelas (A38,A46)	*	*	*	*	*	*
Meningococcal infection (A39)	0.1	0.1	0.1	0.1	*	*
Septicemia (A40-A41)	12.3	11.0	13.6	16.4	15.4	17.2
Syphilis (A50-A53)	*	*	*	*	*	*
Acute poliomyelitis (A80)	*	*	*	*	*	*
Arthropod-borne viral encephalitis (A83-A84,A85.2)	*	*	*	*	*	*
Measles (B05)	*	*	*	*	*	*
Viral hepatitis (B15-B19)	1.8	2.5	1.2	2.3	2.8	1.8
Human immunodeficiency virus (HIV) disease (B20-B24)	2.2	3.8	0.6	21.6	30.8	13.3
Malaria (B50-B54)	*	*	*	*	*	*
Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36,A42-A44,A48-A49, A54-A79,A81-A82,A85.0-A85.1, A85.8,A86-B04,B06-B09,B25-B49, B55-B99)	2.1	2.2	2.1	2.3	2.5	2.1
Malignant neoplasms (C00-C97)	230.6	243.4	218.4	172.8	190.8	156.5
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	3.1	4.1	2.1	3.0	4.6	1.5
Malignant neoplasm of esophagus (C15)	5.1	8.1	2.3	4.7	7.2	2.4
Malignant neoplasm of stomach (C16)	4.2	5.0	3.4	5.8	6.9	4.7
Malignant neoplasms of colon, rectum and anus (C18-C21)	23.5	23.9	23.1	19.2	19.0	19.4
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	4.8	6.1	3.4	4.6	6.1	3.3
Malignant neoplasm of pancreas (C25)	12.3	12.4	12.3	9.4	8.9	9.9
Malignant neoplasm of larynx (C32)	1.5	2.3	0.6	1.9	3.1	0.7
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	67.3	78.4	56.6	44.6	59.2	31.3
Malignant melanoma of skin (C43)	3.7	4.8	2.6	0.3	0.2	0.4
Malignant neoplasm of breast (C50)	17.0	0.3	32.9	15.5	0.4	29.2
Malignant neoplasm of cervix uteri (C53)	1.4	. . .	2.7	2.2	. . .	4.2
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	2.7	. . .	5.2	2.9	. . .	5.5
Malignant neoplasm of ovary (C56)	6.2	. . .	12.2	3.2	. . .	6.1
Malignant neoplasm of prostate (C61)	12.0	24.6	. . .	14.6	30.8	. . .
Malignant neoplasms of kidney and renal pelvis (C64-C65)	5.1	6.5	3.8	3.1	4.0	2.3
Malignant neoplasm of bladder (C67)	5.5	7.8	3.2	2.4	2.6	2.3
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	5.6	6.3	4.8	2.1	2.2	1.9
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	23.8	25.9	21.8	14.5	15.6	13.5
Hodgkin's disease (C81)	0.5	0.6	0.5	0.4	0.4	0.3
Non-Hodgkin's lymphoma (C82-C85)	9.7	10.4	9.2	4.1	4.7	3.7
Leukemia (C91-C95)	9.1	10.3	8.0	4.9	5.4	4.4
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	4.4	4.6	4.1	5.0	5.0	5.0
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	0.0	0.0	0.0	*	*	*
All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31, C37-C41,C44-C49,C51-C52, C57-C60,C62-C63,C66,C68-C69, C73-C80,C97)	26.0	26.8	25.3	18.9	20.0	17.8
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	5.9	6.0	5.8	3.2	3.1	3.3

See footnotes at end of table.

Table 15. Death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All origins[1]			Hispanic			Non-Hispanic[2]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Anemias (D50-D64)	1.6	1.3	2.0	0.5	0.4	0.6	1.8	1.4	2.2
Diabetes mellitus (E10-E14)	25.1	23.5	26.6	15.3	13.6	17.1	26.4	25.0	27.8
Nutritional deficiencies (E40-E64)	1.3	0.9	1.7	0.4	0.3	0.5	1.4	1.0	1.9
Malnutrition (E40-E46)	1.2	0.8	1.6	0.4	0.3	0.4	1.3	0.9	1.7
Other nutritional deficiencies (E50-E64)	0.1	0.1	0.1	*	*	*	0.1	0.1	0.1
Meningitis (G00,G03)	0.3	0.3	0.2	0.2	0.2	0.1	0.3	0.3	0.2
Parkinson's disease (G20-G21)	5.8	6.7	4.9	1.3	1.4	1.2	6.5	7.5	5.4
Alzheimer's disease (G30)	18.9	11.3	26.3	3.4	2.1	4.7	21.2	12.7	29.3
Major cardiovascular diseases (I00-I78)	323.9	306.2	340.9	96.2	95.4	97.1	356.7	338.1	374.3
Diseases of heart (I00-I09,I11,I13, I20-I51)	245.8	242.5	249.0	73.3	74.6	71.8	270.7	268.0	273.3
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	1.2	0.7	1.7	0.4	0.3	0.6	1.3	0.8	1.8
Hypertensive heart disease (I11)	8.7	7.5	9.8	3.3	3.4	3.1	9.4	8.1	10.7
Hypertensive heart and renal disease (I13)	1.0	0.8	1.1	0.4	0.4	0.5	1.1	0.9	1.2
Ischemic heart diseases (I20-I25)	176.3	181.7	171.2	55.9	57.9	53.7	193.6	200.4	187.2
Acute myocardial infarction (I21-I22)	64.9	68.6	61.3	20.0	20.9	19.1	71.4	75.9	67.1
Other acute ischemic heart diseases (I24)	1.2	1.2	1.1	0.2	0.2	0.1	1.3	1.4	1.3
Other forms of chronic ischemic heart disease (I20,I25)	110.3	111.9	108.8	35.7	36.8	34.5	120.9	123.1	118.8
Atherosclerotic cardiovascular disease, so described (I25.0)	23.9	25.3	22.5	8.5	10.1	6.8	26.0	27.5	24.6
All other forms of chronic ischemic heart disease (I20, I25.1-I25.9)	86.4	86.5	86.2	27.2	26.7	27.7	94.9	95.6	94.2
Other heart diseases (I26-I51)	58.6	51.8	65.2	13.3	12.6	13.9	65.2	57.8	72.3
Acute and subacute endocarditis (I33)	0.4	0.5	0.4	0.2	0.2	0.1	0.5	0.5	0.4
Diseases of pericardium and acute myocarditis (I30-I31,I40)	0.3	0.3	0.3	0.2	0.1	0.2	0.3	0.3	0.3
Heart failure (I50)	20.0	15.5	24.3	3.7	3.0	4.5	22.4	17.4	27.1
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	37.9	35.6	40.2	9.3	9.3	9.2	42.1	39.6	44.5
Essential (primary) hypertension and hypertensive renal disease (I10,I12)	6.8	5.2	8.3	2.4	1.9	2.9	7.4	5.7	9.0
Cerebrovascular diseases (I60-I69)	57.4	45.2	69.2	17.4	15.7	19.1	63.2	49.7	76.1
Atherosclerosis (I70)	4.9	3.7	6.2	1.1	0.9	1.4	5.5	4.1	6.8
Other diseases of circulatory system (I71-I78)	8.9	9.6	8.2	2.0	2.2	1.8	9.9	10.7	9.1
Aortic aneurysm and dissection (I71)	5.3	6.5	4.2	1.1	1.5	0.7	6.0	7.3	4.7
Other diseases of arteries, arterioles and capillaries (I72-I78)	3.5	3.1	4.0	0.9	0.8	1.1	3.9	3.4	4.4
Other disorders of circulatory system (I80-I99)	1.6	1.4	1.9	0.6	0.5	0.6	1.8	1.5	2.0
Influenza and pneumonia (J10-J18)	21.8	19.6	23.9	7.4	6.9	7.9	23.8	21.5	26.1
Influenza (J10-J11)	0.1	0.1	0.1	*	*	*	0.1	0.1	0.1
Pneumonia (J12-J18)	21.7	19.5	23.8	7.3	6.8	7.8	23.8	21.4	26.0
Other acute lower respiratory infections (J20-J22)	0.1	0.1	0.2	0.1	*	*	0.1	0.1	0.2
Acute bronchitis and bronchiolitis (J20-J21)	0.1	0.1	0.1	*	*	*	0.1	0.1	0.1
Unspecified acute lower respiratory infection (J22)	0.0	0.0	0.0	*	*	*	0.0	0.0	0.0
Chronic lower respiratory diseases (J40-J47)	43.2	42.7	43.7	7.7	7.8	7.5	48.4	48.0	48.7
Bronchitis, chronic and unspecified (J40-J42)	0.3	0.3	0.4	0.1	*	0.1	0.4	0.3	0.4
Emphysema (J43)	5.7	6.0	5.4	0.8	0.9	0.6	6.4	6.8	6.1
Asthma (J45-J46)	1.5	1.1	1.9	0.7	0.5	1.0	1.6	1.1	2.1
Other chronic lower respiratory diseases (J44,J47)	35.7	35.3	36.0	6.0	6.3	5.8	40.0	39.8	40.1
Pneumoconioses and chemical effects (J60-J66,J68)	0.4	0.8	0.0	0.1	0.1	*	0.4	0.9	0.0
Pneumonitis due to solids and liquids (J69)	6.1	6.1	6.0	1.5	1.5	1.5	6.7	6.8	6.6
Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98)	9.2	8.9	9.4	3.4	3.4	3.5	10.0	9.8	10.2
Peptic ulcer (K25-K28)	1.6	1.5	1.7	0.4	0.5	0.4	1.7	1.6	1.8
Diseases of appendix (K35-K38)	0.2	0.2	0.1	0.1	*	*	0.2	0.2	0.1
Hernia (K40-K46)	0.5	0.4	0.6	0.2	0.2	0.3	0.6	0.5	0.7

See footnotes at end of table.

Table 15. Death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Non-Hispanic White			Non-Hispanic Black		
	Both sexes	Male	Female	Both sexes	Male	Female
Anemias (D50-D64)	1.7	1.3	2.1	2.8	2.6	2.9
Diabetes mellitus (E10-E14)	26.0	25.1	26.9	34.1	29.4	38.4
Nutritional deficiencies (E40-E64)	1.5	1.0	2.0	1.3	1.2	1.4
Malnutrition (E40-E46)	1.4	0.9	1.9	1.2	1.1	1.3
Other nutritional deficiencies (E50-E64)	0.1	0.1	0.1	0.1	*	*
Meningitis (G00,G03)	0.2	0.3	0.2	0.5	0.6	0.4
Parkinson's disease (G20-G21)	7.7	9.0	6.5	1.5	1.7	1.4
Alzheimer's disease (G30)	24.8	14.7	34.4	8.7	5.3	11.8
Major cardiovascular diseases (I00-I78)	385.8	363.0	407.6	289.7	281.2	297.4
Diseases of heart (I00-I09,I11,I13, I20-I51)	294.1	289.5	298.4	215.5	215.7	215.4
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	1.5	0.9	2.0	0.8	0.5	1.2
Hypertensive heart disease (I11)	8.6	6.9	10.2	16.5	16.3	16.7
Hypertensive heart and renal disease (I13)	0.9	0.7	1.1	2.3	2.2	2.4
Ischemic heart diseases (I20-I25)	212.6	219.6	205.8	141.2	143.2	139.4
Acute myocardial infarction (I21-I22)	78.4	83.7	73.4	51.6	50.9	52.3
Other acute ischemic heart diseases (I24)	1.4	1.4	1.4	1.3	1.5	1.1
Other forms of chronic ischemic heart disease (I20,I25)	132.7	134.4	131.1	88.2	90.8	86.0
Atherosclerotic cardiovascular disease, so described (I25.0)	26.8	27.8	25.8	28.5	32.3	25.0
All other forms of chronic ischemic heart disease (I20, I25.1-I25.9)	106.0	106.6	105.3	59.7	58.4	60.9
Other heart diseases (I26-I51)	70.6	61.4	79.4	54.7	53.5	55.8
Acute and subacute endocarditis (I33)	0.4	0.5	0.4	0.7	0.8	0.5
Diseases of pericardium and acute myocarditis (I30-I31,I40)	0.3	0.3	0.3	0.4	0.5	0.4
Heart failure (I50)	25.1	19.3	30.7	14.3	12.0	16.4
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	44.7	41.3	47.9	39.3	40.3	38.5
Essential (primary) hypertension and hypertensive renal disease (I10,I12)	7.0	5.1	8.8	11.3	10.0	12.4
Cerebrovascular diseases (I60-I69)	67.6	52.0	82.6	52.9	46.2	59.0
Atherosclerosis (I70)	6.3	4.7	7.9	2.7	2.2	3.2
Other diseases of circulatory system (I71-I78)	10.8	11.8	9.9	7.3	7.2	7.4
Aortic aneurysm and dissection (I71)	6.7	8.2	5.2	3.5	3.9	3.1
Other diseases of arteries, arterioles and capillaries (I72-I78)	4.2	3.6	4.7	3.8	3.3	4.4
Other disorders of circulatory system (I80-I99)	1.8	1.5	2.1	2.0	2.0	2.1
Influenza and pneumonia (J10-J18)	26.2	23.1	29.2	16.0	16.3	15.6
Influenza (J10-J11)	0.1	0.1	0.1	0.1	*	*
Pneumonia (J12-J18)	26.1	23.0	29.1	15.9	16.3	15.6
Other acute lower respiratory infections (J20-J22)	0.1	0.1	0.2	0.1	*	*
Acute bronchitis and bronchiolitis (J20-J21)	0.1	0.1	0.1	0.1	*	*
Unspecified acute lower respiratory infection (J22)	0.0	0.0	0.1	*	*	*
Chronic lower respiratory diseases (J40-J47)	55.9	54.6	57.2	21.1	24.5	18.0
Bronchitis, chronic and unspecified (J40-J42)	0.4	0.3	0.5	0.2	0.2	0.2
Emphysema (J43)	7.5	7.8	7.2	2.2	2.8	1.7
Asthma (J45-J46)	1.4	0.9	1.9	3.1	2.7	3.4
Other chronic lower respiratory diseases (J44,J47)	46.6	45.6	47.6	15.6	18.8	12.7
Pneumoconioses and chemical effects (J60-J66,J68)	0.5	1.0	0.0	0.2	0.3	*
Pneumonitis due to solids and liquids (J69)	7.5	7.6	7.4	4.4	4.3	4.6
Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98)	11.0	10.8	11.3	6.9	6.6	7.2
Peptic ulcer (K25-K28)	1.9	1.7	2.1	1.1	1.4	0.9
Diseases of appendix (K35-K38)	0.2	0.2	0.1	0.2	0.3	0.1
Hernia (K40-K46)	0.6	0.5	0.8	0.4	0.4	0.4

See footnotes at end of table.

Table 15. Death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All origins[1]			Hispanic			Non-Hispanic[2]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Chronic liver disease and cirrhosis (K70,K73-K74)	9.5	12.4	6.7	8.9	12.7	5.0	9.5	12.3	6.9
Alcoholic liver disease (K70)	4.3	6.4	2.3	4.7	7.7	1.5	4.2	6.2	2.4
Other chronic liver disease and cirrhosis (K73-K74)	5.2	6.1	4.4	4.3	5.0	3.4	5.3	6.2	4.5
Cholelithiasis and other disorders of gallbladder (K80-K82)	1.0	1.0	1.1	0.5	0.5	0.6	1.1	1.0	1.2
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	13.9	13.5	14.2	5.0	4.7	5.4	15.1	14.8	15.4
Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01, N04)	0.1	0.1	0.1	*	*	*	0.1	0.1	0.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (N02-N03,N05-N07, N26)	0.2	0.2	0.2	0.1	*	*	0.2	0.2	0.2
Renal failure (N17-N19)	13.6	13.2	14.0	4.9	4.6	5.2	14.9	14.6	15.2
Other disorders of kidney (N25,N27)	0.0	*	0.0	*	*	*	0.0	*	0.0
Infections of kidney (N10-N12,N13.6, N15.1)	0.3	0.2	0.4	0.1	*	0.1	0.3	0.2	0.4
Hyperplasia of prostate (N40)	0.2	0.3	. . .	*	*	. . .	0.2	0.4	. . .
Inflammatory diseases of female pelvic organs (N70-N76)	0.0	. . .	0.1	*	. . .	*	0.0	. . .	0.1
Pregnancy, childbirth and the puerperium (O00-O99)	0.1	. . .	0.3	0.2	. . .	0.5	0.1	. . .	0.3
Pregnancy with abortive outcome (O00-O07)	0.0	. . .	0.0	*	. . .	*	0.0	. . .	0.0
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	0.1	. . .	0.3	0.2	. . .	0.5	0.1	. . .	0.2
Certain conditions originating in the perinatal period (P00-P96)	4.9	5.6	4.2	6.0	6.7	5.3	4.6	5.4	3.9
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3.7	3.9	3.4	4.4	4.7	4.1	3.5	3.7	3.3
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	11.4	11.3	11.4	5.9	7.4	4.3	12.1	11.8	12.3
All other diseases (Residual)	65.5	53.8	76.7	21.2	20.2	22.3	71.8	58.8	84.2
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	35.7	47.2	24.5	25.8	37.6	13.2	36.9	48.5	26.0
Transport accidents (V01-V99,Y85)	16.6	23.5	10.0	15.6	22.8	8.0	16.7	23.5	10.2
Motor vehicle accidents (V02-V04, V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5, V81.0-V81.1,V82.0-V82.1,V83-V86, V87.0-V87.8,V88.0-V88.8,V89.0, V89.2)	15.4	21.5	9.5	14.3	21.0	7.2	15.5	21.5	9.8
Other land transport accidents (V01,V05-V06,V09.1,V09.3-V09.9, V10-V11,V15-V18,V19.3, V19.8-V19.9,V80.0-V80.2, V80.6-V80.9,V81.2-V81.9, V82.2-V82.9,V87.9,V88.9,V89.1, V89.3,V89.9)	0.5	0.8	0.2	0.5	0.9	0.2	0.5	0.7	0.2
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85)	0.7	1.2	0.3	0.8	0.9	0.7	0.7	1.2	0.2
Nontransport accidents (W00-X59,Y86)	19.0	23.8	14.5	10.1	14.8	5.2	20.2	25.0	15.7
Falls (W00-W19)	5.3	5.8	4.8	2.0	2.8	1.3	5.7	6.2	5.3
Accidental discharge of firearms (W32-W34)	0.3	0.5	0.1	0.2	0.4	*	0.3	0.5	0.1
Accidental drowning and submersion (W65-W74)	1.2	1.8	0.5	1.1	1.8	0.4	1.1	1.8	0.5
Accidental exposure to smoke, fire and flames (X00-X09)	1.2	1.4	0.9	0.5	0.6	0.4	1.3	1.6	1.0
Accidental poisoning and exposure to noxious substances (X40-X49)	4.9	7.1	2.9	3.6	5.6	1.5	5.1	7.2	3.1
Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99, X10-X39,X50-X59,Y86)	6.2	7.2	5.3	2.7	3.7	1.6	6.7	7.7	5.8

See footnotes at end of table.

Table 15. Death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Non-Hispanic White			Non-Hispanic Black		
	Both sexes	Male	Female	Both sexes	Male	Female
Chronic liver disease and cirrhosis (K70,K73-K74)	10.1	13.0	7.4	7.7	10.7	4.9
Alcoholic liver disease (K70)	4.4	6.4	2.4	3.7	5.5	2.2
Other chronic liver disease and cirrhosis (K73-K74)	5.8	6.6	5.0	3.9	5.3	2.7
Cholelithiasis and other disorders of gallbladder (K80-K82)	1.2	1.1	1.3	0.9	0.8	1.0
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	14.9	14.8	15.0	20.2	18.6	21.7
Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01, N04)	0.1	0.1	0.1	0.1	*	*
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (N02-N03,N05-N07, N26)	0.2	0.2	0.2	0.2	0.2	0.2
Renal failure (N17-N19)	14.6	14.5	14.7	20.0	18.4	21.4
Other disorders of kidney (N25,N27)	*	*	*	*	*	*
Infections of kidney (N10-N12,N13.6, N15.1)	0.3	0.2	0.4	0.2	0.2	0.3
Hyperplasia of prostate (N40)	0.2	0.4	. . .	0.1	0.2	. . .
Inflammatory diseases of female pelvic organs (N70-N76)	0.0	. . .	0.1	0.1	. . .	0.1
Pregnancy, childbirth and the puerperium (O00-O99)	0.1	. . .	0.2	0.4	. . .	0.8
Pregnancy with abortive outcome (O00-O07)	*	. . .	*	*	. . .	*
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	0.1	. . .	0.1	0.4	. . .	0.7
Certain conditions originating in the perinatal period (P00-P96)	3.2	3.7	2.7	13.2	15.8	10.9
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3.4	3.6	3.2	4.7	5.1	4.4
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	12.4	11.8	13.1	12.9	14.2	11.7
All other diseases (Residual)	77.3	61.9	92.1	61.1	56.4	65.2
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	38.5	49.7	27.8	34.4	49.5	20.6
Transport accidents (V01-V99,Y85)	17.0	23.8	10.6	16.3	24.5	8.9
Motor vehicle accidents (V02-V04, V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5, V81.0-V81.1,V82.0-V82.1,V83-V86, V87.0-V87.8,V88.0-V88.8,V89.0, V89.2)	15.8	21.7	10.1	15.2	22.7	8.5
Other land transport accidents (V01,V05-V06,V09.1,V09.3-V09.9, V10-V11,V15-V18,V19.3, V19.8-V19.9,V80.0-V80.2, V80.6-V80.9,V81.2-V81.9, V82.2-V82.9,V87.9,V88.9,V89.1, V89.3,V89.9)	0.5	0.7	0.2	0.6	0.9	0.3
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85)	0.8	1.3	0.3	0.5	0.8	0.1
Nontransport accidents (W00-X59,Y86)	21.5	25.9	17.2	18.1	25.0	11.8
Falls (W00-W19)	6.6	7.0	6.2	2.3	3.2	1.6
Accidental discharge of firearms (W32-W34)	0.3	0.5	0.1	0.3	0.6	*
Accidental drowning and submersion (W65-W74)	1.1	1.6	0.5	1.6	2.8	0.5
Accidental exposure to smoke, fire and flames (X00-X09)	1.1	1.4	0.9	2.3	3.0	1.8
Accidental poisoning and exposure to noxious substances (X40-X49)	5.2	7.3	3.1	6.0	8.6	3.6
Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99, X10-X39,X50-X59,Y86)	7.2	8.1	6.4	5.5	7.0	4.2

See footnotes at end of table.

Table 15. Death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[Rates per 100,000 population in specified group. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All origins[1]			Hispanic			Non-Hispanic[2]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) [3]	10.8	17.6	4.1	5.0	8.3	1.5	11.6	19.0	4.5
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	5.9	10.6	1.5	2.2	3.8	0.4	6.5	11.6	1.6
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84,Y87.0) [3]	4.8	7.1	2.6	2.8	4.4	1.2	5.1	7.5	2.9
Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) [3]	7.1	11.1	3.3	9.0	14.5	3.2	6.7	10.4	3.2
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	4.0	6.8	1.3	5.7	9.9	1.3	3.7	6.3	1.2
Assault (homicide) by other and unspecified means and their sequelae (*U01.0-*U01.3,*U01.5-*U01.9,*U02, X85-X92,X96-Y09,Y87.1) [3]	3.1	4.3	2.0	3.3	4.5	1.9	3.1	4.2	2.0
Legal intervention (Y35,Y89.0)	0.1	0.3	*	0.2	0.3	*	0.1	0.3	*
Events of undetermined intent (Y10-Y34,Y87.2,Y89.9)	1.5	2.0	0.9	0.8	1.1	0.4	1.6	2.1	1.0
Discharge of firearms, undetermined intent (Y22-Y24)	0.1	0.1	0.0	0.1	*	*	0.1	0.1	0.0
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2,Y89.9)	1.4	1.9	0.9	0.7	1.1	0.3	1.5	2.0	1.0
Operations of war and their sequelae (Y36,Y89.1)	*	*	*	*	*	*	*	*	*
Complications of medical and surgical care (Y40-Y84,Y88)	1.1	1.0	1.1	0.4	0.3	0.4	1.2	1.1	1.2

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Non-Hispanic White			Non-Hispanic Black		
	Both sexes	Male	Female	Both sexes	Male	Female
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) [3]	13.0	21.4	5.0	5.3	9.3	1.7
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	7.4	13.2	1.9	3.0	5.6	0.6
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84,Y87.0) [3]	5.6	8.2	3.2	2.3	3.7	1.1
Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) [3]	4.0	5.6	2.4	22.7	39.3	7.6
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	1.6	2.2	0.9	16.3	30.6	3.2
Assault (homicide) by other and unspecified means and their sequelae (*U01.0-*U01.3,*U01.5-*U01.9,*U02, X85-X92,X96-Y09,Y87.1) [3]	2.4	3.4	1.5	6.4	8.7	4.4
Legal intervention (Y35,Y89.0)	0.1	0.2	*	0.2	0.5	*
Events of undetermined intent (Y10-Y34,Y87.2,Y89.9)	1.6	2.1	1.1	1.8	2.8	0.9
Discharge of firearms, undetermined intent (Y22-Y24)	0.1	0.1	0.0	0.1	0.2	*
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2,Y89.9)	1.5	2.0	1.1	1.7	2.6	0.9
Operations of war and their sequelae (Y36,Y89.1)	*	*	*	*	*	*
Complications of medical and surgical care (Y40-Y84,Y88)	1.2	1.0	1.3	1.4	1.5	1.4

0.0 Quantity more than zero but less than 0.05.
* Figure does not meet standards of reliability or precision, see Technical Notes.
. . . Category not applicable.
[1] Figures for origin not stated are included in "All origins" but not distributed among specified origins.
[2] Includes races other than white and black.
[3] Figures include September 11, 2001 related deaths for which death certificates were filed as of 10/24/02; see Technical Notes and Table D.

NOTE: Complete confirmation of deaths from selected causes of death, considered to be of public health concern, were not provided by the District of Columbia and the following States--California, Illinois, Indiana, Kansas, Kentucky, Maine, Minnesota, Montana, New Jersey, New York, North Dakota, Ohio, Oklahoma, Pennsylvania, and Rhode Island; see Technical Notes.

Table 16. Age-adjusted death rates for 113 selected causes by race and sex: United States, 2001

[Age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	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	854.5	1,029.1	721.8	836.5	1,006.1	706.7	939.9	1,151.4	788.5	1,101.2	1,375.0	912.5
Salmonella infections (A01-A02)	0.0	0.0	0.0	0.0	*	*	*	*	*	*	*	*
Shigellosis and amebiasis (A03,A06)	*	*	*	*	*	*	*	*	*	*	*	*
Certain other intestinal infections (A04,A07-A09)	0.5	0.5	0.5	0.6	0.5	0.6	0.4	0.4	0.3	0.4	0.5	0.4
Tuberculosis (A16-A19)	0.3	0.4	0.2	0.2	0.2	0.1	0.8	1.3	0.6	0.8	1.2	0.5
Respiratory tuberculosis (A16)	0.2	0.3	0.1	0.1	0.2	0.1	0.7	1.0	0.4	0.6	1.0	0.3
Other tuberculosis (A17-A19)	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.2	0.2	0.1
Whooping cough (A37)	*	*	*	*	*	*	*	*	*	*	*	*
Scarlet fever and erysipelas (A38,A46)	*	*	*	*	*	*	*	*	*	*	*	*
Meningococcal infection (A39)	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	*	0.1	*	*
Septicemia (A40-A41)	11.4	12.7	10.5	10.3	11.5	9.5	18.9	21.7	17.0	23.6	27.7	21.2
Syphilis (A50-A53)	0.0	*	*	0.0	*	*	*	*	*	*	*	*
Acute poliomyelitis (A80)	*	*	*	*	*	*	*	*	*	*	*	*
Arthropod-borne viral encephalitis (A83-A84,A85.2)	*	*	*	*	*	*	*	*	*	*	*	*
Measles (B05)	*	*	*	*	*	*	*	*	*	*	*	*
Viral hepatitis (B15-B19)	2.0	2.6	1.3	1.8	2.5	1.2	2.7	3.2	2.2	2.7	3.4	2.1
Human immunodeficiency virus (HIV) disease (B20-B24)	5.0	7.5	2.5	2.6	4.4	0.9	16.1	23.7	9.5	22.8	33.8	13.4
Malaria (B50-B54)	*	*	*	*	*	*	*	*	*	*	*	*
Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36,A42-A44, A48-A49,A54-A79,A81-A82,A85.0-A85.1,A85.8, A86-B04,B06-B09,B25-B49,B55-B99)	2.0	2.4	1.7	1.9	2.3	1.6	2.6	3.0	2.2	2.8	3.4	2.4
Malignant neoplasms (C00-C97)	196.0	243.7	164.7	193.9	239.2	163.9	208.7	276.1	167.0	243.1	330.9	191.3
Malignant neoplasms of lip, oral cavity, and pharynx (C00-C14)	2.7	4.1	1.6	2.6	3.9	1.5	3.4	5.8	1.7	3.9	6.7	1.8
Malignant neoplasm of esophagus (C15)	4.4	7.8	1.8	4.3	7.6	1.7	5.2	9.0	2.4	6.4	11.3	3.0
Malignant neoplasm of stomach (C16)	4.4	6.1	3.1	3.8	5.4	2.7	8.2	11.5	5.9	8.3	11.9	5.8
Malignant neoplasms of colon, rectum and anus (C18-C21)	20.1	24.2	17.2	19.6	23.7	16.6	23.5	27.8	20.7	27.6	33.1	24.1
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	4.7	6.9	3.0	4.3	6.3	2.7	7.1	10.6	4.6	6.2	9.1	4.1
Malignant neoplasm of pancreas (C25)	10.5	12.1	9.3	10.4	12.0	9.1	11.7	12.6	10.9	13.6	15.0	12.5
Malignant neoplasm of larynx (C32)	1.3	2.5	0.5	1.2	2.3	0.5	2.0	3.9	0.7	2.5	5.0	0.9
Malignant neoplasm of trachea, bronchus and lung (C33-C34)	55.3	75.2	41.0	55.6	74.2	42.1	52.8	81.1	33.8	62.5	99.1	38.7
Malignant melanoma of skin (C43)	2.7	3.9	1.8	3.0	4.3	2.0	0.4	0.4	0.4	0.4	0.3	0.4
Malignant neoplasm of breast (C50)	14.8	0.3	26.0	14.4	0.3	25.5	16.7	0.5	28.5	20.4	0.6	34.4
Malignant neoplasm of cervix uteri (C53)	1.4	. . .	2.7	1.3	. . .	2.5	2.4	. . .	4.2	2.8	. . .	4.8
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	2.4	. . .	4.2	2.3	. . .	4.0	3.4	. . .	5.7	4.2	. . .	7.0
Malignant neoplasm of ovary (C56)	5.1	. . .	9.0	5.2	. . .	9.3	4.1	. . .	6.9	4.5	. . .	7.5
Malignant neoplasm of prostate (C61)	10.9	29.1	. . .	10.0	26.6	. . .	18.3	50.3	. . .	23.0	66.1	. . .
Malignant neoplasms of kidney and renal pelvis (C64-C65)	4.3	6.2	2.8	4.3	6.3	2.8	3.7	5.5	2.5	4.2	6.4	2.8
Malignant neoplasm of bladder (C67)	4.3	7.5	2.3	4.5	7.9	2.2	3.2	4.5	2.4	3.7	5.1	2.9
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	4.5	5.5	3.6	4.8	5.9	3.9	2.4	3.0	2.0	2.6	3.1	2.2
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	20.0	25.5	16.0	20.2	25.9	16.2	17.5	21.8	14.5	20.0	25.3	16.5
Hodgkin's disease (C81)	0.5	0.6	0.4	0.5	0.6	0.4	0.3	0.4	0.3	0.4	0.5	0.4

See footnotes at end of table.

Table 16. Age-adjusted death rates for 113 selected causes by race and sex: United States, 2001 - Con.

[Age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All races			White			All other					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Non-Hodgkin's lymphoma (C82-C85)	7.9	9.9	6.4	8.2	10.2	6.7	5.4	6.9	4.3	5.6	7.2	4.5
Leukemia (C91-C95)	7.6	10.1	5.9	7.8	10.4	6.0	5.9	7.6	4.8	6.7	8.7	5.4
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	4.0	4.9	3.3	3.7	4.6	3.0	5.8	6.8	5.1	7.3	8.8	6.4
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	0.0	0.0	0.0	0.0	0.0	0.0	*	*	*	*	*	*
All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31,C37-C41,C44-C49, C51-C52,C57-C60,C62-C63,C66,C68-C69, C73-C80,C97)	22.2	26.7	18.9	22.0	26.5	18.8	22.8	27.8	19.3	26.2	32.8	21.9
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	4.9	6.0	4.1	4.9	6.2	4.1	4.1	4.9	3.7	4.6	5.6	4.1
Anemias (D50-D64)	1.6	1.6	1.6	1.4	1.4	1.4	2.8	2.7	2.8	3.5	3.6	3.4
Diabetes mellitus (E10-E14)	25.3	28.1	23.1	23.0	26.2	20.5	41.3	41.3	40.7	49.2	49.9	48.1
Nutritional deficiencies (E40-E64)	1.3	1.2	1.4	1.2	1.1	1.3	1.8	1.9	1.7	2.1	2.4	1.8
Malnutrition (E40-E46)	1.2	1.1	1.3	1.2	1.0	1.2	1.7	1.8	1.6	1.9	2.2	1.7
Other nutritional deficiencies (E50-E64)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	0.1	0.1	*	*
Meningitis (G00,G03)	0.3	0.3	0.2	0.2	0.3	0.2	0.4	0.6	0.3	0.5	0.8	0.4
Parkinson's disease (G20-G21)	5.9	9.1	4.0	6.2	9.7	4.3	2.7	4.0	1.9	2.5	3.9	1.8
Alzheimer's disease (G30)	19.1	16.1	20.5	19.8	16.7	21.3	12.4	10.8	13.1	14.6	13.1	15.1
Major cardiovascular diseases (I00-I78)	326.5	388.1	278.8	319.2	381.1	270.8	365.9	426.3	321.2	427.5	505.3	372.4
Diseases of heart (I00-I09,I11,I13,I20-I51)	247.8	305.4	203.9	243.5	301.8	198.7	268.5	321.5	229.9	316.9	384.5	269.8
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	1.2	0.9	1.5	1.2	0.9	1.5	1.1	0.8	1.3	1.1	0.7	1.3
Hypertensive heart disease (I11)	8.7	8.9	8.1	7.3	7.3	6.8	18.3	20.2	16.5	23.2	26.3	20.5
Hypertensive heart and renal disease (I13)	1.0	1.1	1.0	0.8	0.8	0.7	2.6	2.8	2.5	3.3	3.6	3.0
Ischemic heart disease (I20-I25)	177.8	228.5	139.9	176.5	228.4	137.4	182.3	223.4	152.7	211.6	262.0	176.7
Acute myocardial infarction (I21-I22)	65.4	84.9	50.9	65.1	85.4	49.9	66.2	80.2	56.6	76.8	93.1	66.0
Other acute ischemic heart diseases (I24)	1.2	1.5	0.9	1.1	1.4	0.9	1.5	1.9	1.2	1.8	2.3	1.3
Other forms of chronic ischemic heart disease (I20,I25)	111.2	142.1	88.1	110.2	141.6	86.7	114.5	141.3	95.0	133.0	166.7	109.3
Atherosclerotic cardiovascular disease, so described (I25.0)	24.1	30.8	18.5	22.5	28.8	17.3	34.6	45.3	26.6	41.8	56.0	31.7
All other forms of chronic ischemic heart disease (I20, I25.1-I25.9)	87.1	111.3	69.6	87.6	112.8	69.4	80.0	96.0	68.4	91.1	110.6	77.6
Other heart diseases (I26-I51)	59.1	66.1	53.4	57.7	64.4	52.3	64.3	74.5	56.9	77.8	91.8	68.2
Acute and subacute endocarditis (I33)	0.4	0.5	0.3	0.4	0.5	0.3	0.6	0.9	0.5	0.8	1.1	0.6
Diseases of pericardium and acute myocarditis (I30-I31,I40)	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.4
Heart failure (I50)	20.2	21.2	19.2	20.2	21.2	19.3	18.3	19.5	17.3	22.1	24.4	20.6
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	38.2	44.1	33.6	36.8	42.4	32.4	44.9	53.7	38.7	54.4	65.8	46.5
Essential (primary) hypertension and hypertensive renal disease (I10,I12)	6.8	6.7	6.8	5.8	5.6	5.9	13.6	14.2	13.0	16.6	17.9	15.4
Cerebrovascular diseases (I60-I69)	57.9	59.0	56.4	55.8	56.5	54.5	70.7	75.4	66.9	78.8	85.4	73.7
Atherosclerosis (I70)	5.0	5.1	4.8	5.1	5.2	5.0	3.7	4.0	3.5	4.3	4.6	4.1
Other diseases of circulatory system (I71-I78)	9.0	12.0	6.9	8.9	12.0	6.7	9.3	11.2	7.9	10.8	12.8	9.4
Aortic aneurysm and dissection (I71)	5.4	8.0	3.6	5.5	8.2	3.6	4.6	6.2	3.5	5.0	6.4	3.9
Other diseases of arteries, arterioles and capillaries (I72-I78)	3.6	3.9	3.3	3.4	3.8	3.2	4.7	5.0	4.5	5.9	6.4	5.5
Other disorders of circulatory system (I80-I99)	1.6	1.7	1.6	1.5	1.6	1.5	2.2	2.4	2.1	2.7	3.1	2.5
Influenza and pneumonia (J10-J18)	22.0	26.6	19.2	21.7	26.0	19.1	22.8	30.1	18.4	24.1	32.3	19.4

See footnotes at end of table.

Table 16. Age-adjusted death rates for 113 selected causes by race and sex: United States, 2001 - Con.

[Age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All races			White			All other					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Influenza (J10-J11)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	*	0.1	*	*
Pneumonia (J12-J18)	21.9	26.5	19.1	21.6	25.9	19.0	22.7	30.0	18.4	24.1	32.2	19.4
Other acute lower respiratory infections (J20-J22)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	*
Acute bronchitis and bronchiolitis (J20-J21)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	*	*
Unspecified acute lower respiratory infection (J22)	0.0	0.0	0.0	0.0	0.0	0.0	*	*	*	*	*	*
Chronic lower respiratory diseases (J40-J47)	43.7	54.0	37.6	45.6	55.5	39.8	27.6	40.9	19.9	30.9	46.3	22.4
Bronchitis, chronic and unspecified (J40-J42)	0.3	0.4	0.3	0.3	0.4	0.3	0.2	0.3	0.2	0.2	0.3	0.2
Emphysema (J43)	5.8	7.4	4.7	6.1	7.8	5.1	3.0	4.8	1.9	3.3	5.3	2.2
Asthma (J45-J46)	1.5	1.2	1.7	1.2	0.9	1.5	3.0	2.8	3.2	3.6	3.2	3.8
Other chronic lower respiratory diseases (J44,J47)	36.1	45.0	30.8	37.9	46.4	32.9	21.3	32.9	14.7	23.7	37.5	16.2
Pneumoconioses and chemical effects (J60-J66,J68)	0.4	1.0	0.0	0.4	1.1	0.0	0.2	0.5	*	0.2	0.7	*
Pneumonitis due to solids and liquids (J69)	6.1	8.5	4.8	6.1	8.5	4.8	6.1	7.9	5.2	7.0	9.4	5.7
Other diseases of respiratory system (J00-J06,J30-J39, J67,J70-J98)	9.3	11.0	8.1	9.3	11.1	8.1	8.5	9.6	7.7	9.4	10.7	8.6
Peptic ulcer (K25-K28)	1.6	1.8	1.4	1.6	1.8	1.4	1.6	2.2	1.1	1.6	2.3	1.1
Diseases of appendix (K35-K38)	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.3	0.1	0.2	0.4	0.2
Hernia (K40-K46)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.4	0.6	0.8	0.5
Chronic liver disease and cirrhosis (K70,K73-K74)	9.5	13.2	6.2	9.6	13.3	6.3	8.5	12.2	5.5	9.3	13.8	5.6
Alcoholic liver disease (K70)	4.3	6.6	2.2	4.3	6.6	2.2	4.1	6.3	2.4	4.4	6.9	2.4
Other chronic liver disease and cirrhosis (K73-K74)	5.2	6.6	4.0	5.3	6.7	4.1	4.4	5.9	3.2	4.9	6.9	3.2
Cholelithiasis and other disorders of gallbladder (K80-K82)	1.0	1.2	0.9	1.0	1.2	0.9	1.2	1.4	1.1	1.3	1.4	1.2
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	14.0	17.4	12.0	12.5	16.0	10.5	24.2	27.2	22.3	29.5	33.8	27.1
Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01,N04)	0.0	0.1	0.0	0.0	0.1	0.0	0.1	*	*	0.1	*	*
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (N02-N03,N05-N07,N26)	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.3	0.2	0.2	0.3	0.2
Renal failure (N17-N19)	13.7	17.1	11.8	12.3	15.8	10.2	23.8	26.8	22.0	29.2	33.4	26.7
Other disorders of kidney (N25,N27)	0.0	*	0.0	0.0	*	*	*	*	*	*	*	*
Infections of kidney (N10-N12,N13.6,N15.1)	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hyperplasia of prostate (N40)	0.1	0.5	. . .	0.2	0.5	. . .	0.1	0.3	. . .	0.1	0.4	. . .
Inflammatory diseases of female pelvic organs (N70-N76)	0.0	. . .	0.1	0.0	. . .	0.1	0.1	. . .	0.1	0.1	. . .	0.1
Pregnancy, childbirth and the puerperium (O00-O99)	0.1	. . .	0.3	0.1	. . .	0.2	0.3	. . .	0.6	0.4	. . .	0.8
Pregnancy with abortive outcome (O00-O07)	0.0	. . .	0.0	0.0	. . .	0.0	*	. . .	*	*	. . .	*
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	0.1	. . .	0.3	0.1	. . .	0.2	0.3	. . .	0.5	0.4	. . .	0.7
Certain conditions originating in the perinatal period (P00-P96)	4.7	5.3	4.2	3.7	4.1	3.3	8.3	9.2	7.4	10.3	11.3	9.1
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3.6	3.8	3.4	3.6	3.8	3.4	3.6	3.8	3.5	4.1	4.3	3.9
Symptoms, signs, and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	11.3	12.7	9.8	11.0	12.2	9.5	12.7	14.6	10.8	15.1	17.7	12.8
All other diseases (Residual)	65.9	66.1	64.0	64.7	64.5	63.0	70.6	74.9	66.7	84.6	92.0	78.5
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	35.7	50.2	22.5	36.0	50.3	22.8	33.4	49.3	20.3	37.6	56.9	22.0
Transport accidents (V01-V99,Y85)	16.6	23.7	9.8	16.8	24.0	10.0	15.3	22.7	8.9	16.5	25.5	8.9

See footnotes at end of table.

Table 16. Age-adjusted death rates for 113 selected causes by race and sex: United States, 2001 - Con.

[Age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All races			White			All other					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Motor vehicle accidents (V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1, V82.0-V82.1,V83-V86,V87.0-V87.8,V88.0-V88.8, V89.0,V89.2)	15.3	21.8	9.3	15.6	22.0	9.5	14.2	20.9	8.4	15.4	23.5	8.5
Other land transport accidents (V01,V05-V06,V09.1,V09.3-V09.9,V10-V11, V15-V18,V19.3,V19.8-V19.9,V80.0-V80.2, V80.6-V80.9,V81.2-V81.9,V82.2-V82.9,V87.9, V88.9,V89.1,V89.3,V89.9)	0.5	0.8	0.2	0.5	0.7	0.2	0.6	0.9	0.3	0.6	1.0	0.3
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85)	0.7	1.2	0.3	0.8	1.3	0.3	0.5	0.8	0.2	0.5	1.0	0.1
Nontransport accidents (W00-X59,Y86)	19.1	26.4	12.7	19.2	26.4	12.8	18.2	26.6	11.4	21.1	31.4	13.1
Falls (W00-W19)	5.3	7.2	3.9	5.6	7.5	4.1	3.4	5.2	2.1	3.3	5.1	2.0
Accidental discharge of firearms (W32-W34)	0.3	0.5	0.1	0.3	0.5	0.1	0.2	0.4	*	0.3	0.5	*
Accidental drowning and submersion (W65-W74)	1.1	1.8	0.5	1.1	1.7	0.5	1.4	2.4	0.5	1.5	2.6	0.5
Accidental exposure to smoke, fire and flames (X00-X09)	1.2	1.5	0.9	1.0	1.3	0.7	2.1	2.9	1.5	2.7	3.8	1.9
Accidental poisoning and exposure to noxious substances (X40-X49)	4.9	7.0	2.9	5.0	7.1	2.9	4.9	7.2	2.9	6.3	9.5	3.7
Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99, X10-X39,X50-X59,Y86)	6.3	8.4	4.5	6.2	8.3	4.5	6.1	8.5	4.3	7.0	9.8	4.9
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) [1]	10.7	18.2	4.0	11.7	19.6	4.5	5.7	9.9	2.1	5.5	9.8	1.8
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	5.9	11.0	1.4	6.5	12.0	1.6	2.7	5.2	0.6	3.1	6.0	0.6
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84, Y87.0) [1]	4.8	7.1	2.6	5.2	7.6	2.9	3.0	4.6	1.5	2.4	3.8	1.1
Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) [1]	7.1	10.8	3.3	4.9	7.1	2.6	16.2	27.0	6.1	21.2	36.2	7.4
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	3.9	6.6	1.3	2.2	3.5	1.0	10.8	19.7	2.3	14.8	27.4	3.0
Assault (homicide) by other and unspecified means and their sequelae (*U01.0-*U01.3,*U01.5-*U01.9,*U02, X85-X92,X96-Y09,Y87.1) [1]	3.1	4.3	2.0	2.6	3.6	1.6	5.4	7.3	3.7	6.4	8.8	4.3
Legal intervention (Y35,Y89.0)	0.1	0.3	*	0.1	0.2	*	0.2	0.4	*	0.2	0.5	*
Events of undetermined intent (Y10-Y34,Y87.2,Y89.9)	1.5	2.0	0.9	1.5	2.0	1.0	1.4	2.2	0.7	1.8	2.9	0.9
Discharge of firearms, undetermined intent (Y22-Y24)	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1	*	0.1	0.2	*
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2, Y89.9)	1.4	1.9	0.9	1.4	1.8	1.0	1.4	2.1	0.7	1.7	2.7	0.9
Operations of war and their sequelae (Y36,Y89.1)	*	*	*	*	*	*	*	*	*	*	*	*
Complications of medical and surgical care (Y40-Y84,Y88)	1.1	1.1	1.0	1.0	1.1	0.9	1.6	1.8	1.4	2.0	2.3	1.7

0.0 Quantity more than zero but less than 0.05.
* Figure does not meet standards of reliability or precision, see Technical Notes.
. . . Category not applicable.
[1] Figures include September 11, 2001 related deaths for which death certificates were filed as of 10/24/02; see Technical Notes and Table D.

NOTE: Complete confirmation of deaths from selected causes of death, considered to be of public health concern, were not provided by the District of Columbia and the following States--California, Illinois, Indiana, Kansas, Kentucky, Maine, Minnesota, Montana, New Jersey, New York, North Dakota, Ohio, Oklahoma, Pennsylvania, and Rhode Island; see Technical Notes.

Table 17. Age-adjusted death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001

[Age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All origins[1]			Hispanic			Non-Hispanic[2]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All causes	854.5	1,029.1	721.8	658.7	802.5	544.2	864.0	1,039.8	730.9
Salmonella infections (A01-A02)	0.0	0.0	0.0	*	*	*	0.0	*	0.0
Shigellosis and amebiasis (A03,A06)	*	*	*	*	*	*	*	*	*
Certain other intestinal infections (A04,A07-A09)	0.5	0.5	0.5	0.4	*	0.4	0.5	0.5	0.5
Tuberculosis (A16-A19)	0.3	0.4	0.2	0.5	0.8	0.3	0.2	0.3	0.2
Respiratory tuberculosis (A16)	0.2	0.3	0.1	0.4	0.7	0.2	0.2	0.3	0.1
Other tuberculosis (A17-A19)	0.1	0.1	0.0	0.1	*	*	0.1	0.1	0.0
Whooping cough (A37)	*	*	*	*	*	*	*	*	*
Scarlet fever and erysipelas (A38,A46)	*	*	*	*	*	*	*	*	*
Meningococcal infection (A39)	0.1	0.1	0.1	0.0	*	*	0.1	0.1	0.1
Septicemia (A40-A41)	11.4	12.7	10.5	8.8	9.9	7.9	11.5	12.9	10.7
Syphilis (A50-A53)	0.0	*	*	*	*	*	0.0	*	*
Acute poliomyelitis (A80)	*	*	*	*	*	*	*	*	*
Arthropod-borne viral encephalitis (A83-A84,A85.2)	*	*	*	*	*	*	*	*	*
Measles (B05)	*	*	*	*	*	*	*	*	*
Viral hepatitis (B15-B19)	2.0	2.6	1.3	3.7	4.5	2.8	1.8	2.5	1.2
Human immunodeficiency virus (HIV) disease (B20-B24)	5.0	7.5	2.5	6.2	9.7	2.7	4.8	7.3	2.5
Malaria (B50-B54)	*	*	*	*	*	*	*	*	*
Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36,A42-A44,A48-A49, A54-A79,A81-A82,A85.0-A85.1, A85.8,A86-B04,B06-B09,B25-B49, B55-B99)	2.0	2.4	1.7	2.0	2.4	1.5	2.0	2.4	1.7
Malignant neoplasms (C00-C97)	196.0	243.7	164.7	132.3	168.2	108.6	199.7	247.9	168.0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	2.7	4.1	1.6	1.8	2.9	1.0	2.8	4.2	1.6
Malignant neoplasm of esophagus (C15)	4.4	7.8	1.8	2.4	4.4	1.0	4.5	8.0	1.8
Malignant neoplasm of stomach (C16)	4.4	6.1	3.1	6.9	9.2	5.3	4.2	5.9	2.9
Malignant neoplasms of colon, rectum and anus (C18-C21)	20.1	24.2	17.2	14.1	17.5	11.8	20.5	24.6	17.5
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	4.7	6.9	3.0	7.3	10.4	4.9	4.6	6.7	2.9
Malignant neoplasm of pancreas (C25)	10.5	12.1	9.3	8.4	9.0	7.8	10.7	12.3	9.4
Malignant neoplasm of larynx (C32)	1.3	2.5	0.5	1.0	1.9	0.2	1.4	2.5	0.5
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	55.3	75.2	41.0	23.8	36.8	14.5	57.2	77.4	42.7
Malignant melanoma of skin (C43)	2.7	3.9	1.8	0.8	0.9	0.7	2.8	4.1	1.8
Malignant neoplasm of breast (C50)	14.8	0.3	26.0	9.1	*	16.3	15.1	0.4	26.6
Malignant neoplasm of cervix uteri (C53)	1.4	. . .	2.7	1.8	. . .	3.4	1.4	. . .	2.6
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	2.4	. . .	4.2	1.9	. . .	3.3	2.4	. . .	4.2
Malignant neoplasm of ovary (C56)	5.1	. . .	9.0	3.5	. . .	6.1	5.2	. . .	9.2
Malignant neoplasm of prostate (C61)	10.9	29.1	. . .	9.1	23.5	. . .	11.0	29.3	. . .
Malignant neoplasms of kidney and renal pelvis (C64-C65)	4.3	6.2	2.8	3.7	5.6	2.3	4.3	6.2	2.8
Malignant neoplasm of bladder (C67)	4.3	7.5	2.3	2.4	4.0	1.4	4.4	7.7	2.3
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	4.5	5.5	3.6	2.9	3.4	2.4	4.6	5.7	3.7
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	20.0	25.5	16.0	14.9	19.3	11.6	20.2	25.8	16.2
Hodgkin's disease (C81)	0.5	0.6	0.4	0.5	0.7	0.3	0.5	0.6	0.4
Non-Hodgkin's lymphoma (C82-C85)	7.9	9.9	6.4	5.9	7.5	4.6	8.0	10.0	6.5
Leukemia (C91-C95)	7.6	10.1	5.9	5.2	6.7	4.2	7.7	10.2	5.9
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	4.0	4.9	3.3	3.3	4.3	2.6	4.0	4.9	3.4
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	0.0	0.0	0.0	*	*	*	0.0	0.0	0.0
All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31, C37-C41,C44-C49,C51-C52, C57-C60,C62-C63,C66,C68-C69, C73-C80,C97)	22.2	26.7	18.9	16.6	19.3	14.6	22.5	27.2	19.1
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	4.9	6.0	4.1	3.3	4.0	2.8	4.9	6.1	4.2

See footnotes at end of table.

Table 17. Age-adjusted death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[Age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Non-Hispanic White			Non-Hispanic Black		
	Both sexes	Male	Female	Both sexes	Male	Female
All causes	842.9	1,012.8	713.5	1,116.5	1,393.7	925.5
Salmonella infections (A01-A02)	0.0	*	*	*	*	*
Shigellosis and amebiasis (A03,A06)	*	*	*	*	*	*
Certain other intestinal infections (A04,A07-A09)	0.6	0.6	0.6	0.4	0.5	0.4
Tuberculosis (A16-A19)	0.1	0.2	0.1	0.8	1.2	0.5
Respiratory tuberculosis (A16)	0.1	0.2	0.1	0.6	1.0	0.3
Other tuberculosis (A17-A19)	0.0	0.0	0.0	0.2	0.2	0.1
Whooping cough (A37)	*	*	*	*	*	*
Scarlet fever and erysipelas (A38,A46)	*	*	*	*	*	*
Meningococcal infection (A39)	0.1	0.1	0.1	0.1	*	*
Septicemia (A40-A41)	10.4	11.5	9.6	24.0	28.1	21.5
Syphilis (A50-A53)	*	*	*	*	*	*
Acute poliomyelitis (A80)	*	*	*	*	*	*
Arthropod-borne viral encephalitis (A83-A84,A85.2)	*	*	*	*	*	*
Measles (B05)	*	*	*	*	*	*
Viral hepatitis (B15-B19)	1.7	2.3	1.0	2.8	3.5	2.1
Human immunodeficiency virus (HIV) disease (B20-B24)	2.1	3.6	0.6	23.2	34.4	13.8
Malaria (B50-B54)	*	*	*	*	*	*
Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36,A42-A44,A48-A49, A54-A79,A81-A82,A85.0-A85.1, A85.8,A86-B04,B06-B09,B25-B49, B55-B99)	1.9	2.2	1.6	2.9	3.4	2.5
Malignant neoplasms (C00-C97)	197.4	243.1	167.2	246.7	335.3	194.4
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	2.6	3.9	1.6	3.9	6.8	1.8
Malignant neoplasm of esophagus (C15)	4.4	7.9	1.7	6.5	11.5	3.0
Malignant neoplasm of stomach (C16)	3.6	5.0	2.5	8.4	12.1	5.9
Malignant neoplasms of colon, rectum and anus (C18-C21)	19.9	24.0	16.9	28.0	33.6	24.5
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	4.1	6.0	2.6	6.3	9.2	4.1
Malignant neoplasm of pancreas (C25)	10.5	12.2	9.2	13.8	15.1	12.6
Malignant neoplasm of larynx (C32)	1.2	2.3	0.5	2.6	5.0	0.9
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	57.7	76.6	44.0	63.4	100.5	39.4
Malignant melanoma of skin (C43)	3.2	4.7	2.1	0.4	0.3	0.5
Malignant neoplasm of breast (C50)	14.7	0.3	26.0	20.8	0.6	35.1
Malignant neoplasm of cervix uteri (C53)	1.2	. . .	2.3	2.8	. . .	4.9
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	2.3	. . .	4.0	4.3	. . .	7.0
Malignant neoplasm of ovary (C56)	5.4	. . .	9.5	4.6	. . .	7.6
Malignant neoplasm of prostate (C61)	10.0	26.7	. . .	23.3	66.8	. . .
Malignant neoplasms of kidney and renal pelvis (C64-C65)	4.4	6.3	2.9	4.3	6.5	2.9
Malignant neoplasm of bladder (C67)	4.6	8.1	2.3	3.8	5.1	2.9
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	4.9	6.1	4.0	2.6	3.2	2.2
Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)	20.4	26.1	16.3	20.3	25.7	16.8
Hodgkin's disease (C81)	0.5	0.6	0.4	0.4	0.5	0.4
Non-Hodgkin's lymphoma (C82-C85)	8.3	10.4	6.8	5.7	7.4	4.5
Leukemia (C91-C95)	7.9	10.5	6.1	6.7	8.8	5.4
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	3.7	4.6	3.1	7.4	8.9	6.4
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	0.0	0.0	0.0	*	*	*
All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31, C37-C41,C44-C49,C51-C52, C57-C60,C62-C63,C66,C68-C69, C73-C80,C97)	22.3	26.9	19.0	26.6	33.2	22.2
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	5.0	6.3	4.2	4.7	5.7	4.1

See footnotes at end of table.

Table 17. Age-adjusted death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[Age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All origins[1]			Hispanic			Non-Hispanic[2]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Anemias (D50-D64)	1.6	1.6	1.6	1.2	1.1	1.2	1.7	1.6	1.7
Diabetes mellitus (E10-E14)	25.3	28.1	23.1	36.7	37.8	35.5	24.6	27.5	22.4
Nutritional deficiencies (E40-E64)	1.3	1.2	1.4	1.1	1.2	1.1	1.3	1.2	1.4
Malnutrition (E40-E46)	1.2	1.1	1.3	1.1	1.1	1.1	1.2	1.1	1.3
Other nutritional deficiencies (E50-E64)	0.1	0.1	0.1	*	*	*	0.1	0.1	0.1
Meningitis (G00,G03)	0.3	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.2
Parkinson's disease (G20-G21)	5.9	9.1	4.0	3.8	5.6	2.7	5.9	9.3	4.1
Alzheimer's disease (G30)	19.1	16.1	20.5	10.7	9.2	11.5	19.4	16.4	20.8
Major cardiovascular diseases (I00-I78)	326.5	388.1	278.8	252.0	298.0	216.3	329.8	392.2	281.3
Diseases of heart (I00-I09,I11,I13, I20-I51)	247.8	305.4	203.9	192.2	232.6	161.0	250.4	309.0	205.7
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	1.2	0.9	1.5	0.9	0.7	1.1	1.2	0.9	1.5
Hypertensive heart disease (I11)	8.7	8.9	8.1	7.7	8.8	6.7	8.7	8.9	8.2
Hypertensive heart and renal disease (I13)	1.0	1.1	1.0	1.1	1.3	1.0	1.0	1.0	0.9
Ischemic heart diseases (I20-I25)	177.8	228.5	139.9	149.9	185.8	122.6	179.0	230.5	140.5
Acute myocardial infarction (I21-I22)	65.4	84.9	50.9	52.8	66.2	43.0	66.1	86.0	51.2
Other acute ischemic heart diseases (I24)	1.2	1.5	0.9	0.4	0.7	0.2	1.2	1.5	1.0
Other forms of chronic ischemic heart disease (I20,I25)	111.2	142.1	88.1	96.6	118.9	79.4	111.7	143.0	88.3
Atherosclerotic cardiovascular disease, so described (I25.0)	24.1	30.8	18.5	21.0	28.5	15.1	24.1	30.8	18.6
All other forms of chronic ischemic heart disease (I20, I25.1-I25.9)	87.1	111.3	69.6	75.6	90.5	64.3	87.6	112.2	69.7
Other heart diseases (I26-I51)	59.1	66.1	53.4	32.6	36.2	29.6	60.4	67.6	54.6
Acute and subacute endocarditis (I33)	0.4	0.5	0.3	0.3	0.3	0.2	0.4	0.6	0.3
Diseases of pericardium and acute myocarditis (I30-I31,I40)	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3
Heart failure (I50)	20.2	21.2	19.2	10.7	10.9	10.4	20.5	21.6	19.6
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	38.2	44.1	33.6	21.4	24.7	18.7	39.1	45.2	34.3
Essential (primary) hypertension and hypertensive renal disease (I10,I12)	6.8	6.7	6.8	6.5	6.2	6.5	6.8	6.7	6.8
Cerebrovascular diseases (I60-I69)	57.9	59.0	56.4	44.9	48.9	41.6	58.4	59.2	56.9
Atherosclerosis (I70)	5.0	5.1	4.8	3.5	3.7	3.3	5.0	5.1	4.9
Other diseases of circulatory system (I71-I78)	9.0	12.0	6.9	5.0	6.5	3.9	9.2	12.2	7.0
Aortic aneurysm and dissection (I71)	5.4	8.0	3.6	2.5	4.1	1.5	5.5	8.2	3.7
Other diseases of arteries, arterioles and capillaries (I72-I78)	3.6	3.9	3.3	2.4	2.4	2.4	3.6	4.0	3.3
Other disorders of circulatory system (I80-I99)	1.6	1.7	1.6	1.4	1.5	1.3	1.7	1.7	1.6
Influenza and pneumonia (J10-J18)	22.0	26.6	19.2	20.5	24.6	17.8	22.0	26.6	19.2
Influenza (J10-J11)	0.1	0.1	0.1	*	*	*	0.1	0.1	0.1
Pneumonia (J12-J18)	21.9	26.5	19.1	20.4	24.5	17.8	21.9	26.5	19.1
Other acute lower respiratory infections (J20-J22)	0.1	0.1	0.1	0.1	*	*	0.1	0.1	0.1
Acute bronchitis and bronchiolitis (J20-J21)	0.1	0.1	0.1	*	*	*	0.1	0.1	0.1
Unspecified acute lower respiratory infection (J22)	0.0	0.0	0.0	*	*	*	0.0	0.0	0.0
Chronic lower respiratory diseases (J40-J47)	43.7	54.0	37.6	20.7	27.6	16.5	44.9	55.4	38.7
Bronchitis, chronic and unspecified (J40-J42)	0.3	0.4	0.3	0.2	*	0.2	0.3	0.4	0.3
Emphysema (J43)	5.8	7.4	4.7	2.1	3.3	1.4	6.0	7.7	4.9
Asthma (J45-J46)	1.5	1.2	1.7	1.4	1.0	1.7	1.5	1.2	1.8
Other chronic lower respiratory diseases (J44,J47)	36.1	45.0	30.8	16.9	23.1	13.2	37.1	46.1	31.7
Pneumoconioses and chemical effects (J60-J66,J68)	0.4	1.0	0.0	0.2	0.4	*	0.4	1.0	0.0
Pneumonitis due to solids and liquids (J69)	6.1	8.5	4.8	4.4	6.0	3.5	6.2	8.6	4.9
Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98)	9.3	11.0	8.1	8.2	9.8	7.1	9.3	11.1	8.1
Peptic ulcer (K25-K28)	1.6	1.8	1.4	1.2	1.6	0.8	1.6	1.8	1.4
Diseases of appendix (K35-K38)	0.1	0.2	0.1	0.1	*	*	0.1	0.2	0.1
Hernia (K40-K46)	0.5	0.5	0.5	0.6	0.4	0.7	0.5	0.5	0.5

See footnotes at end of table.

Table 17. Age-adjusted death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[Age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Non-Hispanic White			Non-Hispanic Black		
	Both sexes	Male	Female	Both sexes	Male	Female
Anemias (D50-D64)	1.4	1.4	1.4	3.6	3.7	3.4
Diabetes mellitus (E10-E14)	22.1	25.4	19.5	49.8	50.5	48.7
Nutritional deficiencies (E40-E64)	1.3	1.1	1.3	2.1	2.4	1.9
Malnutrition (E40-E46)	1.2	1.0	1.2	1.9	2.2	1.7
Other nutritional deficiencies (E50-E64)	0.1	0.1	0.1	0.1	*	*
Meningitis (G00,G03)	0.2	0.2	0.2	0.6	0.8	0.4
Parkinson's disease (G20-G21)	6.3	9.9	4.3	2.5	4.0	1.8
Alzheimer's disease (G30)	20.2	17.0	21.7	14.8	13.3	15.3
Major cardiovascular diseases (I00-I78)	321.6	384.4	272.5	432.5	511.0	377.0
Diseases of heart (I00-I09,I11,I13, I20-I51)	245.6	304.8	200.0	320.4	388.7	272.9
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	1.2	0.9	1.4	1.1	0.7	1.4
Hypertensive heart disease (I11)	7.2	7.1	6.8	23.4	26.5	20.7
Hypertensive heart and renal disease (I13)	0.7	0.8	0.7	3.4	3.6	3.1
Ischemic heart diseases (I20-I25)	177.5	230.2	137.7	213.5	264.4	178.4
Acute myocardial infarction (I21-I22)	65.8	86.5	50.1	77.8	94.3	66.8
Other acute ischemic heart diseases (I24)	1.2	1.5	0.9	1.8	2.4	1.4
Other forms of chronic ischemic heart disease (I20,I25)	110.5	142.3	86.7	134.0	167.8	110.2
Atherosclerotic cardiovascular disease, so described (I25.0)	22.5	28.6	17.3	42.1	56.4	32.0
All other forms of chronic ischemic heart disease (I20, I25.1-I25.9)	88.0	113.7	69.4	91.8	111.4	78.2
Other heart diseases (I26-I51)	58.9	65.8	53.3	79.1	93.3	69.3
Acute and subacute endocarditis (I33)	0.4	0.5	0.3	0.8	1.1	0.6
Diseases of pericardium and acute myocarditis (I30-I31,I40)	0.3	0.3	0.3	0.5	0.5	0.5
Heart failure (I50)	20.6	21.7	19.7	22.4	24.7	20.9
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	37.6	43.4	33.1	55.3	66.9	47.3
Essential (primary) hypertension and hypertensive renal disease (I10,I12)	5.8	5.6	5.8	16.8	18.2	15.7
Cerebrovascular diseases (I60-I69)	56.0	56.5	54.8	79.9	86.5	74.8
Atherosclerosis (I70)	5.2	5.3	5.0	4.3	4.7	4.1
Other diseases of circulatory system (I71-I78)	9.1	12.3	6.9	10.9	12.9	9.5
Aortic aneurysm and dissection (I71)	5.6	8.4	3.7	5.0	6.5	4.0
Other diseases of arteries, arterioles and capillaries (I72-I78)	3.4	3.8	3.2	5.9	6.5	5.6
Other disorders of circulatory system (I80-I99)	1.6	1.6	1.5	2.8	3.1	2.5
Influenza and pneumonia (J10-J18)	21.7	26.0	19.1	24.3	32.5	19.6
Influenza (J10-J11)	0.1	0.1	0.1	0.1	*	*
Pneumonia (J12-J18)	21.6	25.9	19.0	24.3	32.4	19.5
Other acute lower respiratory infections (J20-J22)	0.1	0.1	0.1	0.1	*	*
Acute bronchitis and bronchiolitis (J20-J21)	0.1	0.1	0.1	0.1	*	*
Unspecified acute lower respiratory infection (J22)	0.0	0.0	0.0	*	*	*
Chronic lower respiratory diseases (J40-J47)	47.0	56.9	41.1	31.3	47.0	22.6
Bronchitis, chronic and unspecified (J40-J42)	0.4	0.4	0.3	0.2	0.3	0.2
Emphysema (J43)	6.4	8.0	5.3	3.4	5.4	2.2
Asthma (J45-J46)	1.2	0.9	1.4	3.6	3.3	3.9
Other chronic lower respiratory diseases (J44,J47)	39.0	47.7	34.0	24.0	38.0	16.3
Pneumoconioses and chemical effects (J60-J66,J68)	0.4	1.1	0.0	0.2	0.7	*
Pneumonitis due to solids and liquids (J69)	6.2	8.7	4.8	7.1	9.5	5.8
Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98)	9.3	11.2	8.1	9.6	10.9	8.8
Peptic ulcer (K25-K28)	1.6	1.8	1.4	1.6	2.3	1.1
Diseases of appendix (K35-K38)	0.1	0.2	0.1	0.2	0.4	0.2
Hernia (K40-K46)	0.5	0.5	0.5	0.6	0.8	0.5

See footnotes at end of table.

Table 17. Age-adjusted death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[Age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All origins[1]			Hispanic			Non-Hispanic[2]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Chronic liver disease and cirrhosis (K70,K73-K74)	9.5	13.2	6.2	15.8	23.7	8.7	9.0	12.3	6.1
Alcoholic liver disease (K70)	4.3	6.6	2.2	7.6	13.6	2.3	4.0	6.0	2.2
Other chronic liver disease and cirrhosis (K73-K74)	5.2	6.6	4.0	8.2	10.1	6.4	5.0	6.3	3.9
Cholelithiasis and other disorders of gallbladder (K80-K82)	1.0	1.2	0.9	1.3	1.5	1.2	1.0	1.2	0.9
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	14.0	17.4	12.0	12.4	14.5	11.1	14.0	17.5	12.0
Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01, N04)	0.0	0.1	0.0	*	*	*	0.0	0.1	0.0
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (N02-N03,N05-N07, N26)	0.2	0.2	0.2	0.2	*	*	0.2	0.2	0.2
Renal failure (N17-N19)	13.7	17.1	11.8	12.1	14.2	10.8	13.8	17.2	11.8
Other disorders of kidney (N25,N27)	0.0	*	0.0	*	*	*	0.0	*	0.0
Infections of kidney (N10-N12,N13.6, N15.1)	0.3	0.2	0.3	0.2	*	0.2	0.3	0.2	0.3
Hyperplasia of prostate (N40)	0.1	0.5	. . .	*	*	. . .	0.2	0.5	. . .
Inflammatory diseases of female pelvic organs (N70-N76)	0.0	. . .	0.1	*	. . .	*	0.0	. . .	0.1
Pregnancy, childbirth and the puerperium (O00-O99)	0.1	. . .	0.3	0.2	. . .	0.4	0.1	. . .	0.3
Pregnancy with abortive outcome (O00-O07)	0.0	. . .	0.0	*	. . .	*	0.0	. . .	0.0
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	0.1	. . .	0.3	0.2	. . .	0.4	0.1	. . .	0.2
Certain conditions originating in the perinatal period (P00-P96)	4.7	5.3	4.2	3.8	4.2	3.3	4.9	5.4	4.4
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3.6	3.8	3.4	3.4	3.8	3.0	3.6	3.8	3.4
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	11.3	12.7	9.8	7.9	9.9	5.8	11.5	12.8	10.0
All other diseases (Residual)	65.9	66.1	64.0	46.8	49.2	44.0	66.8	67.0	65.0
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	35.7	50.2	22.5	30.7	44.7	16.8	35.9	50.4	23.0
Transport accidents (V01-V99,Y85)	16.6	23.7	9.8	16.7	24.6	8.9	16.5	23.6	10.0
Motor vehicle accidents (V02-V04, V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5, V81.0-V81.1,V82.0-V82.1,V83-V86, V87.0-V87.8,V88.0-V88.8,V89.0, V89.2)	15.3	21.8	9.3	15.0	22.2	7.8	15.3	21.7	9.5
Other land transport accidents (V01,V05-V06,V09.1,V09.3-V09.9, V10-V11,V15-V18,V19.3, V19.8-V19.9,V80.0-V80.2, V80.6-V80.9,V81.2-V81.9, V82.2-V82.9,V87.9,V88.9,V89.1, V89.3,V89.9)	0.5	0.8	0.2	0.7	1.1	0.2	0.5	0.7	0.2
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85)	0.7	1.2	0.3	1.0	1.2	0.9	0.7	1.2	0.2
Nontransport accidents (W00-X59,Y86)	19.1	26.4	12.7	14.0	20.1	7.9	19.4	26.8	13.1
Falls (W00-W19)	5.3	7.2	3.9	4.1	5.4	2.8	5.3	7.3	3.9
Accidental discharge of firearms (W32-W34)	0.3	0.5	0.1	0.2	0.4	*	0.3	0.5	0.1
Accidental drowning and submersion (W65-W74)	1.1	1.8	0.5	1.0	1.6	0.3	1.2	1.8	0.5
Accidental exposure to smoke, fire and flames (X00-X09)	1.2	1.5	0.9	0.6	0.8	0.5	1.2	1.6	0.9
Accidental poisoning and exposure to noxious substances (X40-X49)	4.9	7.0	2.9	3.9	6.1	1.6	5.0	7.1	3.0
Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99, X10-X39,X50-X59,Y86)	6.3	8.4	4.5	4.2	5.8	2.6	6.4	8.5	4.6

See footnotes at end of table.

Table 17. Age-adjusted death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[Age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Non-Hispanic White			Non-Hispanic Black		
	Both sexes	Male	Female	Both sexes	Male	Female
Chronic liver disease and cirrhosis (K70,K73-K74)	9.0	12.2	6.1	9.4	14.1	5.7
Alcoholic liver disease (K70)	3.9	5.9	2.2	4.5	7.1	2.4
Other chronic liver disease and cirrhosis (K73-K74)	5.0	6.3	4.0	5.0	7.0	3.2
Cholelithiasis and other disorders of gallbladder (K80-K82)	1.0	1.2	0.9	1.3	1.4	1.2
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	12.4	16.0	10.3	30.0	34.3	27.4
Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01, N04)	0.0	0.1	0.0	0.1	*	*
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (N02-N03,N05-N07, N26)	0.2	0.2	0.1	0.2	0.3	0.2
Renal failure (N17-N19)	12.2	15.7	10.1	29.6	33.9	27.1
Other disorders of kidney (N25,N27)	*	*	*	*	*	*
Infections of kidney (N10-N12,N13.6, N15.1)	0.3	0.2	0.3	0.3	0.3	0.3
Hyperplasia of prostate (N40)	0.2	0.5	. . .	0.1	0.4	. . .
Inflammatory diseases of female pelvic organs (N70-N76)	0.0	. . .	0.1	0.1	. . .	0.1
Pregnancy, childbirth and the puerperium (O00-O99)	0.1	. . .	0.2	0.4	. . .	0.8
Pregnancy with abortive outcome (O00-O07)	*	. . .	*	*	. . .	*
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	0.1	. . .	0.2	0.4	. . .	0.7
Certain conditions originating in the perinatal period (P00-P96)	3.6	4.0	3.2	10.7	11.8	9.5
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	3.5	3.8	3.3	4.2	4.4	4.1
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	11.0	12.2	9.7	15.4	18.0	13.1
All other diseases (Residual)	65.4	65.1	63.9	85.9	93.5	79.7
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	36.2	50.4	23.3	38.3	57.9	22.4
Transport accidents (V01-V99,Y85)	16.7	23.7	10.1	16.9	26.1	9.1
Motor vehicle accidents (V02-V04, V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5, V81.0-V81.1,V82.0-V82.1,V83-V86, V87.0-V87.8,V88.0-V88.8,V89.0, V89.2)	15.5	21.7	9.7	15.7	24.1	8.6
Other land transport accidents (V01,V05-V06,V09.1,V09.3-V09.9, V10-V11,V15-V18,V19.3, V19.8-V19.9,V80.0-V80.2, V80.6-V80.9,V81.2-V81.9, V82.2-V82.9,V87.9,V88.9,V89.1, V89.3,V89.9)	0.4	0.7	0.2	0.7	1.0	0.3
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85)	0.8	1.3	0.3	0.5	1.0	0.1
Nontransport accidents (W00-X59,Y86)	19.5	26.7	13.2	21.4	31.8	13.3
Falls (W00-W19)	5.6	7.5	4.2	3.3	5.2	2.0
Accidental discharge of firearms (W32-W34)	0.3	0.5	0.1	0.3	0.6	*
Accidental drowning and submersion (W65-W74)	1.1	1.7	0.5	1.5	2.7	0.5
Accidental exposure to smoke, fire and flames (X00-X09)	1.0	1.4	0.8	2.7	3.8	1.9
Accidental poisoning and exposure to noxious substances (X40-X49)	5.1	7.2	3.1	6.4	9.6	3.8
Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99, X10-X39,X50-X59,Y86)	6.3	8.5	4.6	7.1	10.0	5.0

See footnotes at end of table.

Table 17. Age-adjusted death rates for 113 selected causes by Hispanic origin, race for non-Hispanic population, and sex: United States, 2001 - Con.

[Age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; 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 on censuses and surveys; see Technical Notes. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All origins[1]			Hispanic			Non-Hispanic[2]		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) [3]	10.7	18.2	4.0	5.7	10.1	1.6	11.3	19.2	4.3
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	5.9	11.0	1.4	2.5	4.8	0.4	6.3	11.7	1.6
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84,Y87.0) [3]	4.8	7.1	2.6	3.2	5.3	1.2	5.0	7.4	2.8
Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) [3]	7.1	10.8	3.3	8.3	12.9	3.1	6.8	10.3	3.3
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	3.9	6.6	1.3	4.9	8.2	1.2	3.7	6.2	1.3
Assault (homicide) by other and unspecified means and their sequelae (*U01.0-*U01.3,*U01.5-*U01.9,*U02, X85-X92,X96-Y09,Y87.1) [3]	3.1	4.3	2.0	3.3	4.7	1.9	3.1	4.1	2.0
Legal intervention (Y35,Y89.0)	0.1	0.3	*	0.1	0.3	*	0.1	0.3	*
Events of undetermined intent (Y10-Y34,Y87.2,Y89.9)	1.5	2.0	0.9	0.9	1.3	0.4	1.5	2.1	1.0
Discharge of firearms, undetermined intent (Y22-Y24)	0.1	0.1	0.0	0.1	*	*	0.1	0.1	0.0
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2,Y89.9)	1.4	1.9	0.9	0.8	1.2	0.4	1.5	2.0	1.0
Operations of war and their sequelae (Y36,Y89.1)	*	*	*	*	*	*	*	*	*
Complications of medical and surgical care (Y40-Y84,Y88)	1.1	1.1	1.0	0.8	0.9	0.7	1.1	1.2	1.0

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Non-Hispanic White			Non-Hispanic Black		
	Both sexes	Male	Female	Both sexes	Male	Female
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) [3]	12.5	21.0	4.9	5.5	9.9	1.8
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	7.0	12.9	1.8	3.1	6.1	0.7
Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84,Y87.0) [3]	5.5	8.1	3.1	2.4	3.8	1.1
Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) [3]	4.0	5.6	2.5	21.7	37.2	7.5
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	1.6	2.2	0.9	15.2	28.2	3.1
Assault (homicide) by other and unspecified means and their sequelae (*U01.0-*U01.3,*U01.5-*U01.9,*U02, X85-X92,X96-Y09,Y87.1) [3]	2.4	3.3	1.5	6.5	9.0	4.4
Legal intervention (Y35,Y89.0)	0.1	0.2	*	0.2	0.4	*
Events of undetermined intent (Y10-Y34,Y87.2,Y89.9)	1.6	2.1	1.1	1.8	2.9	0.9
Discharge of firearms, undetermined intent (Y22-Y24)	0.1	0.1	0.0	0.1	0.2	*
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2,Y89.9)	1.5	1.9	1.0	1.7	2.8	0.9
Operations of war and their sequelae (Y36,Y89.1)	*	*	*	*	*	*
Complications of medical and surgical care (Y40-Y84,Y88)	1.0	1.1	0.9	2.0	2.3	1.7

0.0 Quantity more than zero but less than 0.05.
* Figure does not meet standards of reliability or precision, see Technical Notes.
. . . Category not applicable.
1 Figures for origin not stated are included in "All origins" but not distributed among specified origins.
2 Includes races other than white and black.
3 Figures include September 11, 2001 related deaths for which death certificates were filed as of 10/24/02; see Technical Notes and Table D.

NOTE: Complete confirmation of deaths from selected causes of death, considered to be of public health concern, were not provided by the District of Columbia and the following States--California, Illinois, Indiana, Kansas, Kentucky, Maine, Minnesota, Montana, New Jersey, New York, North Dakota, Ohio, Oklahoma, Pennsylvania, and Rhode Island; see Technical Notes.

Table 18. Number of deaths, death rates, and age-adjusted death rates for injury deaths according to mechanism and intent of death: United States, 2001

[Totals for selected causes of death differ from those shown in other tables that utilize standard mortality tabulation lists, see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001. Rates per 100,000 population; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Figure(s) in brackets [ ] applies to the code or range of codes preceding it. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Mechanism and Intent of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Number	Rate	Age-adjusted rate [1]
All injury (*U01-*U03,V01-Y36,Y85-Y87,Y89) [2]	157,078	55.2	55.1
Unintentional (V01-X59,Y85-Y86)	101,537	35.7	35.7
Suicide (*U03,X60-X84,Y87.0) [2]	30,622	10.8	10.7
Homicide (*U01-*U02,X85-Y09,Y87.1) [2]	20,308	7.1	7.1
Undetermined (Y10-Y34,Y87.2,Y89.9)	4,198	1.5	1.5
Legal intervention/war (Y35-Y36,Y89[.0,.1])	413	0.1	0.2
Cut/pierce (W25-W29,W45,X78,X99,Y28,Y35.4)	2,532	0.9	0.9
Unintentional (W25-W29,W45)	85	0.0	0.0
Suicide (X78)	458	0.2	0.2
Homicide (X99)	1,971	0.7	0.7
Undetermined (Y28)	18	*	*
Legal intervention/war (Y35.4)	-	*	*
Drowning (W65-W74,X71,X92,Y21)	3,923	1.4	1.4
Unintentional (W65-W74)	3,281	1.2	1.1
Suicide (X71)	339	0.1	0.1
Homicide (X92)	68	0.0	0.0
Undetermined (Y21)	235	0.1	0.1
Fall (W00-W19,X80,Y01,Y30)	15,764	5.5	5.6
Unintentional (W00-W19)	15,019	5.3	5.3
Suicide (X80)	651	0.2	0.2
Homicide (Y01)	17	*	*
Undetermined (Y30)	77	0.0	0.0
Fire/hot object or substance (*U01.3,X00-X19,X76-X77,X97-X98,Y26-Y27,Y36.3) [3]	3,796	1.3	1.3
Unintentional (X00-X19)	3,423	1.2	1.2
Suicide (X76-X77)	148	0.1	0.1
Homicide (*U01.3,X97-X98)	148	0.1	0.0
Undetermined (Y26-Y27)	77	0.0	0.0
Legal intervention/war (Y36.3)	-	*	*
Fire/flame (X00-X09,X76,X97,Y26)	3,673	1.3	1.3
Unintentional (X00-X09)	3,309	1.2	1.2
Suicide (X76)	147	0.1	0.1
Homicide (X97)	141	0.0	0.0
Undetermined (Y26)	76	0.0	0.0
Hot object/substance (X10-X19,X77,X98,Y27)	123	0.0	0.0
Unintentional (X10-X19)	114	0.0	0.0
Suicide (X77)	1	*	*
Homicide (X98)	7	*	*
Undetermined (Y27)	1	*	*
Firearm (*U01.4,W32-W34,X72-X74,X93-X95,Y22-Y24,Y35.0)	29,573	10.4	10.3
Unintentional (W32-W34)	802	0.3	0.3
Suicide (X72-X74)	16,869	5.9	5.9
Homicide (*U01.4,X93-X95)	11,348	4.0	3.9
Undetermined (Y22-Y24)	231	0.1	0.1
Legal intervention/war (Y35.0)	323	0.1	0.1
Machinery (W24,W30-W31) [4]	648	0.2	0.2
All transport (*U01.1,V01-V99,X82,Y03,Y32,Y36.1) [2]	49,827	17.5	17.4
Unintentional (V01-V99)	46,706	16.4	16.3
Suicide (X82)	91	0.0	0.0
Homicide (*U01.1,Y03) [2]	3,008	1.1	1.0
Undetermined (Y32)	22	0.0	0.0
Legal intervention/war (Y36.1)	-	*	*
Motor vehicle traffic (V02-V04[.1,.9],V09.2,V12-V14[.3-.9],V19[.4-.6],V20-V28[.3-.9], V29-V79[.4-.9],V80[.3-.5],V81.1,V82.1,V83-V86[.0-.3],V87[.0-.8],V89.2) [4]	42,443	14.9	14.9
Occupant (V30-V79[.4-.9],V83-V86[.0-.3]) [4]	19,270	6.8	6.8
Motorcyclist (V20-V28[.3-.9],V29[.4-.9]) [4]	2,976	1.0	1.0
Pedal cyclist (V12-V14[.3-.9],V19[.4-.6]) [4]	585	0.2	0.2
Pedestrian (V02-V04[.1,.9],V09.2) [4]	4,822	1.7	1.7
Other (V80[.3-.5],V81.1,V82.1) [4]	15	*	*
Unspecified (V87[.0-.8],V89.2) [4]	14,775	5.2	5.2
Pedal cyclist, other (V10-V11,V12-V14[.0-.2],V15-V18,V19[.0-.3,.8,.9]) [4]	207	0.1	0.1
Pedestrian, other (V01,V02-V04[.0],V05,V06,V09[.0,.1,.3,.9]) [4]	1,249	0.4	0.4
Other land transport (V20-V28[.0-.2],V29-V79[.0-.3],V80[.0-.2,.6-.9],V81-V82[.0,.2-.9], V83-V86[.4-.9],V87.9,V88[.0-.9],V89[.0,.1,.3,.9],X82,Y03,Y32)	1,493	0.5	0.5
Unintentional (V20-V28[.0-.2],V29-V79[.0-.3],V80[.0-.2,.6-.9],V81-V82[.0,.2-.9], V83-V86[.4-.9],V87.9,V88[.0-.9],V89[.0,.1,.3,.9])	1,294	0.5	0.5

See footnotes at end of table.

Table 18. Number of deaths, death rates, and age-adjusted death rates for injury deaths according to mechanism and intent of death: United States, 2001 - Con.

[Totals for selected causes of death differ from those shown in other tables that utilize standard mortality tabulation lists, see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001. Rates per 100,000 population; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Figure(s) in brackets [ ] applies to the code or range of codes preceding it. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Mechanism and Intent of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Number	Rate	Age-adjusted rate [1]
Suicide (X82)	91	0.0	0.0
Homicide (Y03)	86	0.0	0.0
Undetermined (Y32)	22	0.0	0.0
Other transport (*U01.1,V90-V99,Y36.1) [2]	4,435	1.6	1.5
Unintentional (V90-V99)	1,513	0.5	0.5
Homicide (*U01.1) [2]	2,922	1.0	1.0
Legal intervention/war (Y36.1)	-	*	*
Natural/environmental (W42-W43,W53-W64,W92-W99,X20-X39,X51-X57) [4]	1,427	0.5	0.5
Overexertion (X50) [4]	8	*	*
Poisoning (*U01[.6-.7],X40-X49,X60-X69,X85-X90,Y10-Y19,Y35.2)	22,242	7.8	7.8
Unintentional (X40-X49)	14,078	4.9	4.9
Suicide (X60-X69)	5,191	1.8	1.8
Homicide (*U01[.6-.7],X85-X90)	64	0.0	0.0
Undetermined (Y10-Y19)	2,909	1.0	1.0
Legal intervention/war (Y35.2)	-	*	*
Struck by or against (W20-W22,W50-W52,X79,Y00,Y04,Y29,Y35.3)	1,244	0.4	0.4
Unintentional (W20-W22,W50-W52)	898	0.3	0.3
Suicide (X79)	2	*	*
Homicide (Y00,Y04)	341	0.1	0.1
Undetermined (Y29)	3	*	*
Legal intervention/war (Y35.3)	-	*	*
Suffocation (W75-W84,X70,X91,Y20)	12,574	4.4	4.4
Unintentional (W75-W84)	5,555	2.0	2.0
Suicide (X70)	6,198	2.2	2.2
Homicide (X91)	690	0.2	0.2
Undetermined (Y20)	131	0.0	0.0
Other specified, classifiable (*U01[.0,.2,.5],*U03.0,W23,W35-W41,W44,W49, W85-W91,X75,X81,X96,Y02,Y05-Y07,Y25,Y31,Y35[.1,.5],Y36[.0,.2,.4-.8],Y85) [2]	2,061	0.7	0.7
Unintentional (W23,W35-W41,W44,W49,W85-W91,Y85)	1,355	0.5	0.5
Suicide (*U03.0,X75,X81) [2]	283	0.1	0.1
Homicide (*U01[.0,.2,.5],X96,Y02,Y05-Y07)	316	0.1	0.1
Undetermined (Y25,Y31)	42	0.0	0.0
Legal intervention/war (Y35[.1,.5],Y36[.0,.2,.4-.8])	65	0.0	0.0
Other specified, not elsewhere classified (*U01.8,*U02,X58,X83,Y08,Y33,Y35.6,Y86-Y87,Y89[.0-.1])	2,299	0.8	0.8
Unintentional (X58,Y86)	1,034	0.4	0.4
Suicide (X83,Y87.0)	246	0.1	0.1
Homicide (*U01.8,*U02,Y08,Y87.1)	831	0.3	0.3
Undetermined (Y33,Y87.2)	163	0.1	0.1
Legal intervention/war (Y35.6,Y89[.0,.1])	25	0.0	0.0
Unspecified (*U01.9,*U03.9,X59,X84,Y09,Y34,Y35.7,Y36.9,Y89.9)	9,160	3.2	3.2
Unintentional (X59)	7,218	2.5	2.5
Suicide (*U03.9,X84)	146	0.1	0.1
Homicide (*U01.9,Y09)	1,506	0.5	0.5
Undetermined (Y34,Y89.9)	290	0.1	0.1
Legal intervention/war (Y35.7,Y36.9)	-	*	*

- Quantity zero.
* Figure does not meet standards of reliability or precision, see Technical Notes.
0.0 Quantity more than zero but less than 0.05.
[1] For method of computation, see Technical Notes.
[2] Figures include September 11, 2001 related deaths for which death certificates were filed as of 10/24/02; see Technical Notes and Table D.
[3] Codes *U01.3 and Y36.3 cannot be divided separately into the subcategories shown below; therefore, subcategories may not add to the total.
[4] Intent of death is unintentional.

Table 19. Number of deaths, death rates, and age-adjusted death rates for injury by firearms, by race and sex: United States, 1999-2001

[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 2000 and estimated as of July 1 for all other years; see Technical Notes. For listing of injury by firearms, 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											
2001	29,573	25,480	4,093	21,760	18,527	3,233	7,813	6,953	860	7,184	6,438	746
2000	28,663	24,582	4,081	20,945	17,750	3,195	7,718	6,832	886	7,054	6,284	770
1999	28,874	24,700	4,174	21,143	17,942	3,201	7,731	6,758	973	7,017	6,184	833
	Rate											
2001	10.4	18.2	2.8	9.4	16.2	2.7	14.9	27.6	3.2	19.3	36.4	3.8
2000 [1]	10.2	17.8	2.8	9.1	15.6	2.7	15.0	27.8	3.3	19.3	36.1	4.0
1999 [1]	10.3	18.1	2.9	9.2	15.9	2.8	15.4	28.0	3.7	19.4	36.0	4.4
	Age-adjusted rate [2]											
2001	10.3	18.5	2.8	9.2	16.3	2.7	14.0	25.9	3.1	18.4	34.5	3.8
2000 [1]	10.2	18.1	2.8	9.0	15.9	2.7	14.1	26.0	3.2	18.4	34.2	3.9
1999 [1]	10.3	18.4	2.9	9.1	16.2	2.7	14.4	26.3	3.6	18.4	34.1	4.3

[1] Rates are revised and may differ from rates previously published; see Technical Notes.
[2] For method of computation, see Technical Notes.

Table 20. Number of deaths, death rates, and age-adjusted death rates for injury by firearms, by Hispanic origin, race for non-Hispanic population, and sex: United States, 1999-2001

[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 2000 and estimated as of July 1 for all other years; 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 on censuses and surveys; see Technical Notes. For listing of injury by firearms, see Technical Notes]

Year	All origins[1]			Hispanic			Non-Hispanic [2]			Non-Hispanic White			Non-Hispanic Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
								Number							
2001	29,573	25,480	4,093	3,087	2,774	313	26,341	22,573	3,768	18,676	15,760	2,916	7,063	6,323	740
2000	28,663	24,582	4,081	2,891	2,582	309	25,637	21,881	3,756	18,042	15,160	2,882	6,958	6,193	765
1999	28,874	24,700	4,174	2,878	2,549	329	25,877	22,050	3,827	18,260	15,384	2,876	6,933	6,114	819
								Rate							
2001	10.4	18.2	2.8	8.3	14.6	1.7	10.6	18.7	3.0	9.4	16.3	2.9	19.8	37.3	4.0
2000 [3]	10.2	17.8	2.8	8.2	14.2	1.8	10.4	18.3	3.0	9.1	15.7	2.9	19.8	37.1	4.2
1999 [3]	10.3	18.1	2.9	8.5	14.6	2.0	10.6	18.5	3.0	9.3	15.9	2.9	20.0	37.1	4.5
								Age-adjusted rate [4]							
2001	10.3	18.5	2.8	7.8	13.7	1.7	10.5	18.8	3.0	9.1	16.0	2.8	18.9	35.4	3.9
2000 [3]	10.2	18.1	2.8	7.8	13.6	1.8	10.3	18.4	3.0	8.8	15.5	2.8	18.9	35.2	4.1
1999 [3]	10.3	18.4	2.9	8.2	14.2	2.0	10.5	18.7	3.0	8.9	15.8	2.8	19.0	35.2	4.4

[1] Figures for origin not stated are included in "All origins" but not distributed among specified origins.
[2] Includes races other than white and black.
[3] Rates are revised and may differ from rates previously published; see Technical Notes.
[4] For method of computation, see Technical Notes.

Table 21. Number of deaths, death rates, and age-adjusted death rates for drug-induced causes, by race and sex: United States, 1999-2001

[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 2000 and estimated as of July 1 for all other years; 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											
2001	21,683	14,244	7,439	18,176	11,873	6,303	3,507	2,371	1,136	3,163	2,163	1,000
2000	19,698	13,125	6,573	16,371	10,849	5,522	3,327	2,276	1,051	3,032	2,093	939
1999	19,102	12,873	6,229	15,694	10,497	5,197	3,408	2,376	1,032	3,094	2,188	906
	Rate											
2001	7.6	10.2	5.1	7.8	10.4	5.4	6.7	9.4	4.2	8.5	12.2	5.1
2000 [1]	7.0	9.5	4.6	7.1	9.6	4.7	6.5	9.2	3.9	8.3	12.0	4.9
1999 [1]	6.8	9.4	4.4	6.9	9.3	4.5	6.8	9.9	3.9	8.6	12.7	4.8
	Age-adjusted rate [2]											
2001	7.6	10.1	5.1	7.8	10.2	5.3	7.1	10.3	4.3	9.2	13.6	5.4
2000 [1]	7.0	9.5	4.6	7.1	9.4	4.7	6.9	10.2	4.1	9.0	13.5	5.2
1999 [1]	6.8	9.4	4.4	6.8	9.2	4.4	7.2	10.8	4.1	9.3	14.3	5.0

[1] Rates are revised and may differ from rates previously published; see Technical Notes.
[2] For method of computation, see Technical Notes.

Table 22. Number of deaths, death rates, and age-adjusted death rates for drug-induced causes, by Hispanic origin, race for non-Hispanic population, and sex: United States, 1999-2001

[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 2000 and estimated as of July 1 for all other years; 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 on censuses and surveys; see Technical Notes. For listing of drug-induced causes, see Technical Notes]

Year	All origins[1]			Hispanic			Non-Hispanic [2]			Non-Hispanic White			Non-Hispanic Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
								Number							
2001	21,683	14,244	7,439	1,731	1,335	396	19,778	12,769	7,009	16,349	10,456	5,893	3,097	2,113	984
2000	19,698	13,125	6,573	1,700	1,348	352	17,813	11,644	6,169	14,568	9,431	5,137	2,975	2,049	926
1999	19,102	12,873	6,229	1,965	1,605	360	16,940	11,124	5,816	13,624	8,822	4,802	3,024	2,131	893
								Rate							
2001	7.6	10.2	5.1	4.7	7.0	2.2	8.0	10.6	5.5	8.3	10.8	5.8	8.7	12.5	5.3
2000 [3]	7.0	9.5	4.6	4.8	7.4	2.1	7.2	9.7	4.9	7.4	9.8	5.1	8.5	12.3	5.0
1999 [3]	6.8	9.4	4.4	5.8	9.2	2.2	6.9	9.3	4.6	6.9	9.1	4.8	8.7	12.9	4.9
								Age-adjusted rate [4]							
2001	7.6	10.1	5.1	5.3	8.0	2.5	7.9	10.4	5.4	8.1	10.6	5.7	9.3	13.8	5.5
2000 [3]	7.0	9.5	4.6	5.4	8.3	2.4	7.1	9.5	4.8	7.2	9.6	4.9	9.1	13.6	5.3
1999 [3]	6.8	9.4	4.4	6.4	10.3	2.5	6.8	9.2	4.5	6.8	8.9	4.6	9.4	14.4	5.1

[1] Figures for origin not stated are included in "All origins" but not distributed among specified origins.
[2] Includes races other than white and black.
[3] Rates are revised and may differ from rates previously published; see Technical Notes.
[4] For method of computation, see Technical Notes.

Table 23. Number of deaths, death rates, and age-adjusted death rates for alcohol-induced causes, by race and sex: United States, 1999-2001

[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 2000 and estimated as of July 1 for all other years; see Technical Notes. For listing of alcohol-induced causes, see Technical Notes]

							All other					
	All races			White			Total			Black		
Year	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
						Number						
2001	19,817	14,923	4,894	16,428	12,426	4,002	3,389	2,497	892	2,643	1,988	655
2000	19,358	14,770	4,588	16,019	12,349	3,670	3,339	2,421	918	2,636	1,933	703
1999	19,171	14,665	4,506	15,686	12,110	3,576	3,485	2,555	930	2,757	2,042	715
						Rate						
2001	7.0	10.7	3.4	7.1	10.8	3.4	6.5	9.9	3.3	7.1	11.2	3.4
2000 [1]	6.9	10.7	3.2	7.0	10.9	3.1	6.5	9.8	3.4	7.2	11.1	3.7
1999 [1]	6.9	10.7	3.2	6.9	10.7	3.1	6.9	10.6	3.5	7.6	11.9	3.8
						Age-adjusted rate [2]						
2001	6.9	11.0	3.3	6.8	10.8	3.2	7.7	12.6	3.6	8.6	14.7	3.8
2000 [1]	6.9	11.2	3.2	6.8	10.9	3.0	7.8	12.8	4.0	8.8	14.8	4.2
1999 [1]	7.0	11.3	3.1	6.7	10.9	2.9	8.5	14.1	4.1	9.6	16.2	4.4

[1] Rates are revised and may differ from rates previously published; see Technical Notes.
[2] For method of computation, see Technical Notes.

Table 24. Number of deaths, death rates, and age-adjusted death rates for alcohol-induced causes, by Hispanic origin, race for non-Hispanic population, and sex: United States, 1999-2001

[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 2000 and estimated as of July 1 for all other years; 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 on censuses and surveys; see Technical Notes. For listing of alcohol-induced causes, see Technical Notes]

Year	All origins[1]			Hispanic			Non-Hispanic [2]			Non-Hispanic White			Non-Hispanic Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
								Number							
2001	19,817	14,923	4,894	2,363	2,009	354	17,315	12,801	4,514	13,991	10,351	3,640	2,598	1,957	641
2000	19,358	14,770	4,588	2,290	1,994	296	16,929	12,654	4,275	13,645	10,280	3,365	2,598	1,901	697
1999	19,171	14,665	4,506	2,166	1,849	317	16,863	12,691	4,172	13,434	10,185	3,249	2,719	2,008	711
								Rate							
2001	7.0	10.7	3.4	6.4	10.6	2.0	7.0	10.6	3.6	7.1	10.7	3.6	7.3	11.6	3.4
2000 [3]	6.9	10.7	3.2	6.5	11.0	1.7	6.9	10.6	3.4	6.9	10.6	3.3	7.4	11.4	3.8
1999 [3]	6.9	10.7	3.2	6.4	10.6	1.9	6.9	10.6	3.3	6.8	10.6	3.2	7.8	12.2	3.9
								Age-adjusted rate [4]							
2001	6.9	11.0	3.3	10.0	18.0	2.9	6.6	10.3	3.3	6.4	9.9	3.2	8.7	14.9	3.8
2000 [3]	6.9	11.2	3.2	10.4	19.2	2.5	6.6	10.5	3.2	6.4	10.0	3.0	9.0	15.0	4.3
1999 [3]	7.0	11.3	3.1	10.3	18.5	2.9	6.7	10.6	3.1	6.3	10.0	2.9	9.7	16.4	4.5

[1] Figures for origin not stated are included in "All origins" but not distributed among specified origins.
[2] Includes races other than white and black.
[3] Rates are revised and may differ from rates previously published; see Technical Notes.
[4] For method of computation, see Technical Notes.

Table 25. Number of deaths, death rates, and age-adjusted death rates for ages 15 years and over, by race, sex, and marital status: United States, 2001

[Rates per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Population estimates used for computing death rates are based on the Current Population Survey adjusted to resident population controls for the United States. The control totals used are 2000-based population estimates for the United States for July 1, 2001]

Race, sex, and marital status	15 years and over [1]	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 [2]
	Number								
All races[3], both sexes	2,376,233	32,252	41,683	91,674	168,065	244,139	430,960	1,367,460	. . .
Never married	242,936	29,380	23,262	31,775	32,278	24,379	28,261	73,601	. . .
Ever married	2,123,808	2,774	18,179	59,066	134,196	217,928	400,803	1,290,862	. . .
Married	942,458	2,387	13,437	37,828	83,125	137,318	236,133	432,230	. . .
Widowed	918,655	61	289	1,673	6,576	25,229	103,912	780,915	. . .
Divorced	262,695	326	4,453	19,565	44,495	55,381	60,758	77,717	. . .
Not stated	9,489	98	242	833	1,591	1,832	1,896	2,997	. . .
All races[3], male	1,160,546	23,963	28,757	58,164	104,848	144,958	241,581	558,275	. . .
Never married	145,795	22,138	17,169	22,498	22,258	15,926	17,751	28,055	. . .
Ever married	1,007,910	1,743	11,395	35,014	81,281	127,526	222,371	528,580	. . .
Married	642,223	1,514	8,502	22,351	50,649	87,181	158,788	313,238	. . .
Widowed	223,913	33	134	606	2,233	7,152	29,790	183,965	. . .
Divorced	141,774	196	2,759	12,057	28,399	33,193	33,793	31,377	. . .
Not stated	6,841	82	193	652	1,309	1,506	1,459	1,640	. . .
All races[3], female	1,215,687	8,289	12,926	33,510	63,217	99,181	189,379	809,185	. . .
Never married	97,141	7,242	6,093	9,277	10,020	8,453	10,510	45,546	. . .
Ever married	1,115,898	1,031	6,784	24,052	52,915	90,402	178,432	762,282	. . .
Married	300,235	873	4,935	15,477	32,476	50,137	77,345	118,992	. . .
Widowed	694,742	28	155	1,067	4,343	18,077	74,122	596,950	. . .
Divorced	120,921	130	1,694	7,508	16,096	22,188	26,965	46,340	. . .
Not stated	2,648	16	49	181	282	326	437	1,357	. . .
White, both sexes	2,052,576	23,748	29,994	68,137	128,699	197,853	367,128	1,237,017	. . .
Never married	182,138	21,331	15,133	20,107	20,998	17,117	21,912	65,540	. . .
Ever married	1,863,680	2,348	14,689	47,459	106,623	179,443	343,853	1,169,265	. . .
Married	832,059	2,002	10,627	30,014	66,752	115,749	208,397	398,518	. . .
Widowed	811,615	46	221	1,159	4,372	18,580	84,720	702,517	. . .
Divorced	220,006	300	3,841	16,286	35,499	45,114	50,736	68,230	. . .
Not stated	6,758	69	172	571	1,078	1,293	1,363	2,212	. . .
White, male	995,756	17,529	20,978	44,243	81,403	118,353	207,793	505,457	. . .
Never married	107,706	15,998	11,574	15,224	15,070	11,431	13,956	24,453	. . .
Ever married	883,123	1,471	9,257	28,559	65,423	105,835	192,789	479,789	. . .
Married	567,633	1,270	6,760	17,874	40,704	73,205	139,907	287,913	. . .
Widowed	196,664	23	107	440	1,541	5,252	24,439	164,862	. . .
Divorced	118,826	178	2,390	10,245	23,178	27,378	28,443	27,014	. . .
Not stated	4,927	60	147	460	910	1,087	1,048	1,215	. . .
White, female	1,056,820	6,219	9,016	23,894	47,296	79,500	159,335	731,560	. . .
Never married	74,432	5,333	3,559	4,883	5,928	5,686	7,956	41,087	. . .
Ever married	980,557	877	5,432	18,900	41,200	73,608	151,064	689,476	. . .
Married	264,426	732	3,867	12,140	26,048	42,544	68,490	110,605	. . .
Widowed	614,951	23	114	719	2,831	13,328	60,281	537,655	. . .
Divorced	101,180	122	1,451	6,041	12,321	17,736	22,293	41,216	. . .
Not stated	1,831	9	25	111	168	206	315	997	. . .
Black, both sexes	276,355	7,147	10,028	20,687	34,518	39,976	54,379	109,620	. . .
Never married	55,190	6,801	7,141	10,755	10,586	6,723	5,840	7,344	. . .
Ever married	218,620	321	2,822	9,695	23,451	32,755	48,041	101,535	. . .
Married	87,369	289	2,245	6,362	13,318	17,451	22,155	25,549	. . .
Widowed	92,618	11	60	461	1,995	5,993	16,800	67,298	. . .
Divorced	38,633	21	517	2,872	8,138	9,311	9,086	8,688	. . .
Not stated	2,545	25	65	237	481	498	498	741	. . .
Black, male	139,445	5,479	6,673	12,135	20,594	22,905	28,775	42,884	. . .
Never married	34,289	5,241	4,874	6,606	6,726	4,177	3,485	3,180	. . .
Ever married	103,375	218	1,755	5,352	13,495	18,338	24,906	39,311	. . .
Married	59,072	194	1,425	3,634	8,139	11,361	15,268	19,051	. . .
Widowed	23,632	8	21	142	633	1,728	4,785	16,315	. . .
Divorced	20,671	16	309	1,576	4,723	5,249	4,853	3,945	. . .
Not stated	1,781	20	44	177	373	390	384	393	. . .
Black, female	136,910	1,668	3,355	8,552	13,924	17,071	25,604	66,736	. . .
Never married	20,901	1,560	2,267	4,149	3,860	2,546	2,355	4,164	. . .
Ever married	115,245	103	1,067	4,343	9,956	14,417	23,135	62,224	. . .
Married	28,297	95	820	2,728	5,179	6,090	6,887	6,498	. . .
Widowed	68,986	3	39	319	1,362	4,265	12,015	50,983	. . .
Divorced	17,962	5	208	1,296	3,415	4,062	4,233	4,743	. . .
Not stated	764	5	21	60	108	108	114	348	. . .

See footnotes at end of table.

Table 25. Number of deaths, death rates, and age-adjusted death rates for ages 15 years and over, by race, sex, and marital status: United States, 2001 - Con.

[Rates per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Population estimates used for computing death rates are based on the Current Population Survey adjusted to resident population controls for the United States. The control totals used are 2000-based population estimates for the United States for July 1, 2001]

Race, sex, and marital status	15 years and over [1]	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 [2]
	Rate[4]								
All races[3], both sexes	1,059.1	80.7	105.2	203.6	428.9	964.6	2,353.3	8,054.4	1,284.8
Never married	382.3	83.1	159.3	442.3	898.8	1,662.0	4,126.4	10,949.6	1,999.6
Ever married	1,320.6	60.2	72.7	156.1	377.0	914.1	2,273.6	7,916.7	1,227.5
Married	756.3	56.1	60.4	119.0	291.6	752.0	1,934.0	5,873.6	950.5
Widowed	6,051.7	*	203.4	401.5	714.3	1,418.0	2,754.3	9,614.0	1,662.4
Divorced	1,249.6	98.7	169.7	347.9	720.9	1,456.9	3,690.3	9,431.3	1,727.0
All races[3], male	1,065.9	117.0	143.7	259.6	545.1	1,192.7	2,911.5	8,881.5	1,496.2
Never married	418.2	117.6	202.0	525.8	1,177.4	2,046.9	5,227.0	11,107.6	2,266.7
Ever married	1,361.9	105.2	99.0	193.2	468.6	1,121.0	2,794.4	8,761.1	1,421.3
Married	1,030.1	98.6	81.5	144.3	350.0	915.9	2,409.4	7,256.6	1,173.2
Widowed	8,098.6	*	*	739.6	1,263.1	2,141.6	4,155.2	12,955.0	2,492.6
Divorced	1,593.1	177.6	258.8	472.0	1,052.5	2,179.5	5,194.0	10,577.1	2,204.0
All races[3], female	1,052.7	42.6	66.0	148.2	316.8	754.0	1,890.8	7,568.2	1,118.3
Never married	338.7	43.9	99.8	319.3	589.1	1,227.2	3,043.9	10,854.6	1,713.5
Ever married	1,285.4	34.9	50.3	122.0	289.9	725.2	1,845.1	7,420.8	1,080.5
Married	482.1	32.1	41.8	94.9	231.4	573.5	1,376.5	3,911.3	663.9
Widowed	5,595.9	*	130.4	318.8	583.9	1,250.8	2,425.7	8,906.1	1,476.9
Divorced	997.5	59.1	108.8	244.6	463.4	973.9	2,707.9	8,786.8	1,408.9
White, both sexes	1,107.7	75.5	95.3	185.6	393.2	913.5	2,298.9	8,098.8	1,262.5
Never married	380.2	77.5	144.2	398.7	827.0	1,494.5	3,882.8	10,876.5	1,916.2
Ever married	1,356.4	59.3	70.0	149.9	353.1	874.7	2,232.1	7,969.7	1,215.7
Married	776.4	54.6	56.9	112.2	272.6	724.1	1,918.7	5,911.4	942.3
Widowed	6,330.7	*	207.2	380.8	651.4	1,362.3	2,693.7	9,743.4	1,643.2
Divorced	1,264.0	108.1	174.7	352.9	705.4	1,425.7	3,627.4	9,480.0	1,720.0
White, male	1,099.9	108.0	130.3	239.7	501.3	1,127.5	2,842.2	8,898.2	1,464.9
Never married	399.7	108.0	182.0	475.4	1,061.3	1,788.0	4,907.7	10,656.8	2,116.0
Ever married	1,389.0	103.3	95.0	187.2	441.5	1,073.7	2,743.7	8,801.9	1,405.6
Married	1,055.9	95.6	76.6	137.2	327.2	878.7	2,387.1	7,299.9	1,162.4
Widowed	8,466.1	*	*	760.0	1,179.0	2,206.8	3,983.0	13,146.4	2,470.0
Divorced	1,584.3	201.5	266.1	471.6	1,031.0	2,124.9	5,153.5	10,684.1	2,199.4
White, female	1,115.1	40.8	58.6	131.0	286.8	712.2	1,840.2	7,625.5	1,100.7
Never married	355.2	42.0	86.1	265.2	529.8	1,123.6	2,841.8	11,011.7	1,664.7
Ever married	1,328.3	34.6	48.3	115.2	268.0	690.7	1,803.0	7,477.6	1,070.2
Married	495.0	31.4	39.2	88.5	216.2	555.8	1,369.7	3,953.7	659.4
Widowed	5,858.2	*	134.8	291.8	523.8	1,183.8	2,381.2	9,026.9	1,456.2
Divorced	1,021.4	64.5	111.6	247.4	442.4	945.4	2,632.6	8,827.9	1,398.1
Black, both sexes	1,014.4	117.7	185.0	356.5	771.9	1,576.8	3,257.5	8,627.1	1,639.9
Never married	465.8	120.3	236.3	591.6	1,153.9	2,421.0	5,645.8	12,558.8	2,514.2
Ever married	1,420.2	76.3	117.7	243.3	659.7	1,450.9	3,068.0	8,376.3	1,514.2
Married	818.3	76.4	109.1	205.2	554.9	1,228.7	2,423.8	6,280.2	1,189.6
Widowed	5,114.0	*	*	489.5	1,053.9	1,949.1	3,642.3	9,281.5	1,885.8
Divorced	1,329.7	*	166.6	363.3	843.3	1,757.2	4,767.6	10,821.9	2,036.1
Black, male	1,102.3	180.7	259.2	445.0	996.1	2,025.3	4,166.5	10,020.7	2,007.9
Never married	591.8	182.5	331.1	760.4	1,668.8	3,675.0	*	*	3,503.3
Ever married	1,507.5	135.1	159.2	288.0	810.8	1,802.7	3,866.6	9,593.1	1,808.2
Married	1,094.4	134.5	146.7	236.0	654.3	1,497.0	3,109.0	7,664.4	1,461.3
Widowed	6,819.6	*	*	*	*	2,353.5	5,563.4	12,614.2	*
Divorced	1,857.1	*	236.2	525.1	1,233.7	2,838.0	7,239.2	*	2,715.8
Black, female	938.3	54.9	117.9	278.0	579.1	1,215.5	2,616.1	7,919.4	1,385.6
Never married	345.2	56.1	146.3	437.1	750.5	1,552.1	4,135.2	*	1,892.9
Ever married	1,350.0	39.7	82.3	204.2	526.7	1,162.3	2,509.9	7,754.9	1,315.3
Married	536.0	40.6	75.5	174.8	447.9	920.8	1,628.2	4,106.2	826.9
Widowed	4,710.4	*	*	420.6	898.5	1,822.2	3,202.0	8,558.0	1,691.8
Divorced	1,002.1	*	115.8	264.2	586.5	1,177.7	3,426.4	*	1,636.4

* Figure does not meet standards of reliability or precision, see Technical Notes.
. . Category not applicable.
1 Excludes figures for age not stated.
2 Calculated based on ages 25 years and over. For method of computation, see Technical Notes.
3 Includes races other than white and black.
4 Figures for marital status not stated are included in totals but not distributed among specified marital status groups.

Table 26. Number of deaths, death rates, and age-adjusted death rates for ages 15 years and over, by Hispanic origin, race for non-Hispanic population, sex, and marital status: United States, 2001

[Rates per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are based on the Current Population Survey adjusted to resident population controls for the United States. The control totals used are 2000-based population estimates for the United States for July 1, 2001; see Technical Notes. The populations used for computing rates for "All origins" in this table are consistent with those used for computing rates for "All races" in table 25, and may differ from the sum of the subgroup populations used for computing rates for the subgroups in this table; see table IV in the 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 on censuses and surveys]

Hispanic origin, race for non-Hispanic population, sex, and marital status	15 years and over[1]	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[2]
	Number								
All origins[3], both sexes	2,376,233	32,252	41,683	91,674	168,065	244,139	430,960	1,367,460	. . .
Never married	242,936	29,380	23,262	31,775	32,278	24,379	28,261	73,601	. . .
Ever married	2,123,808	2,774	18,179	59,066	134,196	217,928	400,803	1,290,862	. . .
Married	942,458	2,387	13,437	37,828	83,125	137,318	236,133	432,230	. . .
Widowed	918,655	61	289	1,673	6,576	25,229	103,912	780,915	. . .
Divorced	262,695	326	4,453	19,565	44,495	55,381	60,758	77,717	. . .
Not stated	9,489	98	242	833	1,591	1,832	1,896	2,997	. . .
All origins[3], male	1,160,546	23,963	28,757	58,164	104,848	144,958	241,581	558,275	. . .
Never married	145,795	22,138	17,169	22,498	22,258	15,926	17,751	28,055	. . .
Ever married	1,007,910	1,743	11,395	35,014	81,281	127,526	222,371	528,580	. . .
Married	642,223	1,514	8,502	22,351	50,649	87,181	158,788	313,238	. . .
Widowed	223,913	33	134	606	2,233	7,152	29,790	183,965	. . .
Divorced	141,774	196	2,759	12,057	28,399	33,193	33,793	31,377	. . .
Not stated	6,841	82	193	652	1,309	1,506	1,459	1,640	. . .
All origins[3], female	1,215,687	8,289	12,926	33,510	63,217	99,181	189,379	809,185	. . .
Never married	97,141	7,242	6,093	9,277	10,020	8,453	10,510	45,546	. . .
Ever married	1,115,898	1,031	6,784	24,052	52,915	90,402	178,432	762,282	. . .
Married	300,235	873	4,935	15,477	32,476	50,137	77,345	118,992	. . .
Widowed	694,742	28	155	1,067	4,343	18,077	74,122	596,950	. . .
Divorced	120,921	130	1,694	7,508	16,096	22,188	26,965	46,340	. . .
Not stated	2,648	16	49	181	282	326	437	1,357	. . .
Hispanic, both sexes	106,711	5,058	5,797	8,441	11,362	13,337	20,172	42,544	. . .
Never married	18,939	4,394	3,080	3,030	2,343	1,617	1,685	2,790	. . .
Ever married	86,989	641	2,649	5,302	8,862	11,569	18,354	39,612	. . .
Married	45,475	595	2,221	3,833	5,979	7,606	11,085	14,156	. . .
Widowed	28,794	10	46	170	448	1,343	4,551	22,226	. . .
Divorced	12,720	36	382	1,299	2,435	2,620	2,718	3,230	. . .
Not stated	783	23	68	109	157	151	133	142	. . .
Hispanic, male	59,540	4,019	4,366	5,895	7,477	8,026	11,231	18,526	. . .
Never married	13,118	3,552	2,434	2,324	1,723	1,072	970	1,043	. . .
Ever married	45,771	445	1,870	3,474	5,612	6,828	10,150	17,392	. . .
Married	31,125	420	1,616	2,572	3,875	4,889	7,442	10,311	. . .
Widowed	7,603	4	21	59	165	395	1,258	5,701	. . .
Divorced	7,043	21	233	843	1,572	1,544	1,450	1,380	. . .
Not stated	651	22	62	97	142	126	111	91	. . .
Hispanic, female	47,171	1,039	1,431	2,546	3,885	5,311	8,941	24,018	. . .
Never married	5,821	842	646	706	620	545	715	1,747	. . .
Ever married	41,218	196	779	1,828	3,250	4,741	8,204	22,220	. . .
Married	14,350	175	605	1,261	2,104	2,717	3,643	3,845	. . .
Widowed	21,191	6	25	111	283	948	3,293	16,525	. . .
Divorced	5,677	15	149	456	863	1,076	1,268	1,850	. . .
Not stated	132	1	6	12	15	25	22	51	. . .
Non-Hispanic[4], both sexes	2,262,238	27,059	35,656	82,763	155,916	229,812	409,500	1,321,532	. . .
Never married	222,809	24,876	20,065	28,604	29,784	22,613	26,422	70,445	. . .
Ever married	2,032,304	2,131	15,470	53,594	124,995	205,826	381,628	1,248,660	. . .
Married	895,149	1,790	11,166	33,886	76,946	129,429	224,616	417,316	. . .
Widowed	887,864	51	243	1,503	6,104	23,800	99,126	757,037	. . .
Divorced	249,291	290	4,061	18,205	41,945	52,597	57,886	74,307	. . .
Not stated	7,125	52	121	565	1,137	1,373	1,450	2,427	. . .

See footnotes at end of table.

Table 26. Number of deaths, death rates, and age-adjusted death rates for ages 15 years and over, by Hispanic origin, race for non-Hispanic population, sex, and marital status: United States, 2001 - Con.

[Rates per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are based on the Current Population Survey adjusted to resident population controls for the United States. The control totals used are 2000-based population estimates for the United States for July 1, 2001; see Technical Notes. The populations used for computing rates for "All origins" in this table are consistent with those used for computing rates for "All races" in table 25, and may differ from the sum of the subgroup populations used for computing rates for the subgroups in this table; see table IV in the 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 on censuses and surveys]

Hispanic origin, race for non-Hispanic population, sex, and marital status	15 years and over[1]	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[2]
	Number								
Non-Hispanic[4], male	1,096,882	19,836	24,225	51,918	96,815	136,214	229,539	538,335	. . .
Never married	131,924	18,499	14,645	20,069	20,434	14,742	16,674	26,861	. . .
Ever married	959,955	1,296	9,489	31,424	75,464	120,359	211,763	510,160	. . .
Married	609,847	1,092	6,854	19,705	46,653	82,100	151,053	302,390	. . .
Widowed	215,768	29	113	547	2,060	6,722	28,446	177,851	. . .
Divorced	134,340	175	2,522	11,172	26,751	31,537	32,264	29,919	. . .
Not stated	5,003	41	91	425	917	1,113	1,102	1,314	. . .
Non-Hispanic[4], female	1,165,356	7,223	11,431	30,845	59,101	93,598	179,961	783,197	. . .
Never married	90,885	6,377	5,420	8,535	9,350	7,871	9,748	43,584	. . .
Ever married	1,072,349	835	5,981	22,170	49,531	85,467	169,865	738,500	. . .
Married	285,302	698	4,312	14,181	30,293	47,329	73,563	114,926	. . .
Widowed	672,096	22	130	956	4,044	17,078	70,680	579,186	. . .
Divorced	114,951	115	1,539	7,033	15,194	21,060	25,622	44,388	. . .
Not stated	2,122	11	30	140	220	260	348	1,113	. . .
Non-Hispanic White, both sexes	1,942,463	18,730	24,191	59,546	117,086	184,109	346,389	1,192,412	. . .
Never married	162,914	16,982	12,070	17,058	18,650	15,441	20,169	62,544	. . .
Ever married	1,774,669	1,714	12,046	42,131	97,711	167,728	325,221	1,128,118	. . .
Married	785,894	1,413	8,408	26,163	60,745	108,078	197,163	383,924	. . .
Widowed	781,694	36	176	996	3,926	17,220	80,081	679,259	. . .
Divorced	207,081	265	3,462	14,972	33,040	42,430	47,977	64,935	. . .
Not stated	4,880	34	75	357	725	940	999	1,750	. . .
Non-Hispanic White, male	934,347	13,542	16,613	38,213	73,731	109,993	196,158	486,097	. . .
Never married	94,444	12,486	9,162	12,878	13,351	10,310	12,932	23,325	. . .
Ever married	836,452	1,028	7,392	25,058	59,783	98,898	182,472	461,821	. . .
Married	536,036	852	5,144	15,289	36,817	68,263	132,365	277,306	. . .
Widowed	188,768	19	86	384	1,378	4,847	23,142	158,912	. . .
Divorced	111,648	157	2,162	9,385	21,588	25,788	26,965	25,603	. . .
Not stated	3,451	28	59	277	597	785	754	951	. . .
Non-Hispanic White, female	1,008,116	5,188	7,578	21,333	43,355	74,116	150,231	706,315	. . .
Never married	68,470	4,496	2,908	4,180	5,299	5,131	7,237	39,219	. . .
Ever married	938,217	686	4,654	17,073	37,928	68,830	142,749	666,297	. . .
Married	249,858	561	3,264	10,874	23,928	39,815	64,798	106,618	. . .
Widowed	592,926	17	90	612	2,548	12,373	56,939	520,347	. . .
Divorced	95,433	108	1,300	5,587	11,452	16,642	21,012	39,332	. . .
Not stated	1,429	6	16	80	128	155	245	799	. . .
Non-Hispanic Black, both sexes	273,303	7,024	9,859	20,436	34,098	39,523	53,803	108,560	. . .
Never married	54,447	6,692	7,039	10,658	10,460	6,645	5,752	7,201	. . .
Ever married	216,753	316	2,778	9,592	23,248	32,474	47,630	100,715	. . .
Married	86,536	284	2,207	6,293	13,192	17,296	21,951	25,313	. . .
Widowed	91,938	11	59	456	1,978	5,943	16,686	66,805	. . .
Divorced	38,279	21	512	2,843	8,078	9,235	8,993	8,597	. . .
Not stated	2,103	16	42	186	390	404	421	644	. . .
Non-Hispanic Black, male	137,684	5,377	6,548	11,971	20,307	22,600	28,446	42,435	. . .
Never married	33,798	5,149	4,790	6,542	6,635	4,121	3,436	3,125	. . .
Ever married	102,434	216	1,728	5,294	13,371	18,169	24,686	38,970	. . .
Married	58,515	192	1,401	3,590	8,060	11,263	15,130	18,879	. . .
Widowed	23,425	8	21	140	626	1,706	4,744	16,180	. . .
Divorced	20,494	16	306	1,564	4,685	5,200	4,812	3,911	. . .
Not stated	1,452	12	30	135	301	310	324	340	. . .
Non-Hispanic Black, female	135,619	1,647	3,311	8,465	13,791	16,923	25,357	66,125	. . .
Never married	20,649	1,543	2,249	4,116	3,825	2,524	2,316	4,076	. . .
Ever married	114,319	100	1,050	4,298	9,877	14,305	22,944	61,745	. . .
Married	28,021	92	806	2,703	5,132	6,033	6,821	6,434	. . .
Widowed	68,513	3	38	316	1,352	4,237	11,942	50,625	. . .
Divorced	17,785	5	206	1,279	3,393	4,035	4,181	4,686	. . .
Not stated	651	4	12	51	89	94	97	304	. . .

See footnotes at end of table.

Table 26. Number of deaths, death rates, and age-adjusted death rates for ages 15 years and over, by Hispanic origin, race for non-Hispanic population, sex, and marital status: United States, 2001 - Con.

[Rates per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are based on the Current Population Survey adjusted to resident population controls for the United States. The control totals used are 2000-based population estimates for the United States for July 1, 2001; see Technical Notes. The populations used for computing rates for "All origins" in this table are consistent with those used for computing rates for "All races" in table 25, and may differ from the sum of the subgroup populations used for computing rates for the subgroups in this table; see table IV in the 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 on censuses and surveys]

Hispanic origin, race for non-Hispanic population, sex, and marital status	15 years and over[1]	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[2]
	Rate[5]								
All origins[3], both sexes	1,059.1	80.7	105.2	203.6	428.9	964.6	2,353.3	8,054.4	1,284.8
Never married	382.3	83.1	159.3	442.3	898.8	1,662.0	4,126.4	10,949.6	1,999.6
Ever married	1,320.6	60.2	72.7	156.1	377.0	914.1	2,273.6	7,916.7	1,227.5
Married	756.3	56.1	60.4	119.0	291.6	752.0	1,934.0	5,873.6	950.5
Widowed	6,051.7	*	203.4	401.5	714.3	1,418.0	2,754.3	9,614.0	1,662.4
Divorced	1,249.6	98.7	169.7	347.9	720.9	1,456.9	3,690.3	9,431.3	1,727.0
All origins[3], male	1,065.9	117.0	143.7	259.6	545.1	1,192.7	2,911.5	8,881.5	1,496.2
Never married	418.2	117.6	202.0	525.8	1,177.4	2,046.9	5,227.0	11,107.6	2,266.7
Ever married	1,361.9	105.2	99.0	193.2	468.6	1,121.0	2,794.4	8,761.1	1,421.3
Married	1,030.1	98.6	81.5	144.3	350.0	915.9	2,409.4	7,256.6	1,173.2
Widowed	8,098.6	*	*	739.6	1,263.1	2,141.6	4,155.2	12,955.0	2,492.6
Divorced	1,593.1	177.6	258.8	472.0	1,052.5	2,179.5	5,194.0	10,577.1	2,204.0
All origins[3], female	1,052.7	42.6	66.0	148.2	316.8	754.0	1,890.8	7,568.2	1,118.3
Never married	338.7	43.9	99.8	319.3	589.1	1,227.2	3,043.9	10,854.6	1,713.5
Ever married	1,285.4	34.9	50.3	122.0	289.9	725.2	1,845.1	7,420.8	1,080.5
Married	482.1	32.1	41.8	94.9	231.4	573.5	1,376.5	3,911.3	663.9
Widowed	5,595.9	*	130.4	318.8	583.9	1,250.8	2,425.7	8,906.1	1,476.9
Divorced	997.5	59.1	108.8	244.6	463.4	973.9	2,707.9	8,786.8	1,408.9
Hispanic, both sexes	408.9	75.6	84.5	154.8	334.4	722.2	1,776.0	5,954.8	960.9
Never married	203.1	79.6	132.6	349.0	661.3	1,042.4	2,257.7	*	1,449.0
Ever married	518.6	54.7	58.4	115.7	291.2	683.9	1,729.6	5,800.9	912.3
Married	321.5	52.5	53.2	95.5	239.7	582.7	1,597.9	4,350.9	733.0
Widowed	3,206.0	*	*	*	480.9	846.4	1,834.0	6,945.2	1,178.4
Divorced	734.4	*	112.1	250.5	534.5	1,150.9	2,278.4	*	1,390.2
Hispanic, male	442.3	111.5	118.0	208.5	443.9	923.9	2,242.6	6,708.9	1,149.5
Never married	242.3	113.3	169.1	439.0	898.5	1,342.8	*	*	*
Ever married	568.7	94.8	82.8	151.2	376.0	865.5	2,145.4	6,524.1	1,078.5
Married	433.6	91.6	76.4	124.9	298.9	736.9	1,931.4	5,158.7	887.9
Widowed	4,649.0	*	*	*	*	*	*	10,610.9	1,948.8
Divorced	995.9	*	165.8	364.8	863.8	1,695.5	*	*	*
Hispanic, female	373.3	33.7	45.2	97.0	226.7	543.0	1,408.0	5,479.7	809.6
Never married	148.8	35.3	73.1	208.4	381.4	723.8	*	*	1,140.6
Ever married	472.4	27.9	34.2	80.0	209.5	525.2	1,395.1	5,337.8	782.5
Married	206.0	25.9	29.3	64.6	175.6	423.3	1,181.2	3,064.2	522.7
Widowed	2,884.7	*	*	*	357.3	762.5	1,637.0	6,205.6	1,018.9
Divorced	553.9	*	74.4	158.7	315.4	787.8	1,615.6	*	1,097.1
Non-Hispanic, both sexes	1,141.0	81.4	108.9	209.2	435.6	979.5	2,383.9	8,125.9	1,300.2
Never married	411.4	83.5	163.7	452.9	920.6	1,729.1	4,335.7	10,997.1	2,042.5
Ever married	1,410.3	61.4	75.5	161.2	383.9	929.1	2,303.4	7,992.6	1,242.9
Married	809.8	56.8	61.7	122.0	295.8	763.3	1,950.1	5,936.4	961.4
Widowed	6,218.9	*	199.1	413.4	738.3	1,470.6	2,816.9	9,698.7	1,690.9
Divorced	1,292.8	98.2	178.8	356.6	734.1	1,469.8	3,781.1	9,438.2	1,745.5
Non-Hispanic[4], male	1,149.6	117.5	148.5	265.2	551.6	1,207.0	2,944.1	8,957.8	1,512.3
Never married	448.5	118.0	207.9	535.4	1,202.4	2,119.1	5,349.4	11,016.3	2,289.3
Ever married	1,454.5	107.3	102.4	198.5	476.0	1,136.6	2,829.2	8,848.0	1,438.7
Married	1,104.6	99.5	82.3	146.7	354.1	927.1	2,435.1	7,352.0	1,187.9
Widowed	8,287.1	*	*	747.2	1,267.0	2,243.9	4,243.0	12,995.8	2,524.3
Divorced	1,641.9	174.8	274.8	481.4	1,064.5	2,198.0	5,277.2	10,524.7	2,218.3

See footnotes at end of table.

Table 26. Number of deaths, death rates, and age-adjusted death rates for ages 15 years and over, by Hispanic origin, race for non-Hispanic population, sex, and marital status: United States, 2001 - Con.

[Rates per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are based on the Current Population Survey adjusted to resident population controls for the United States. The control totals used are 2000-based population estimates for the United States for July 1, 2001; see Technical Notes. The populations used for computing rates for "All origins" in this table are consistent with those used for computing rates for "All races" in table 25, and may differ from the sum of the subgroup populations used for computing rates for the subgroups in this table; see table IV in the 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 on censuses and surveys]

Hispanic origin, race for non-Hispanic population, sex, and marital status	15 years and over[1]	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[2]
	Rate[5]								
Non-Hispanic[4], female	1,133.1	44.1	69.6	154.3	324.0	768.7	1,918.4	7,638.3	1,133.4
Never married	367.3	45.2	103.9	332.5	608.7	1,285.9	3,274.4	10,985.3	1,765.4
Ever married	1,372.9	36.9	53.3	127.2	296.5	739.0	1,870.1	7,492.3	1,094.9
Married	515.6	34.0	44.2	98.8	236.0	584.2	1,384.1	3,940.2	671.2
Widowed	5,757.6	*	126.4	329.3	608.9	1,294.9	2,481.3	8,997.7	1,504.1
Divorced	1,035.5	58.9	113.7	252.5	474.7	982.4	2,786.3	8,824.2	1,426.9
Non-Hispanic White, both sexes	1,206.7	74.1	96.4	188.3	396.0	924.0	2,325.5	8,169.7	1,274.7
Never married	415.2	75.8	144.8	402.2	843.8	1,549.2	4,069.9	10,949.2	1,953.9
Ever married	1,457.9	59.4	71.9	153.8	357.2	886.2	2,258.5	8,044.0	1,229.2
Married	836.3	53.8	56.8	113.8	274.1	732.2	1,931.8	5,970.9	951.0
Widowed	6,531.1	*	201.6	383.8	672.9	1,422.3	2,755.1	9,834.8	1,670.2
Divorced	1,311.3	106.9	185.3	362.1	716.7	1,435.7	3,727.7	9,440.9	1,734.8
Non-Hispanic White, male	1,198.8	105.1	131.5	241.6	502.6	1,136.3	2,869.4	8,972.8	1,476.9
Never married	431.6	105.1	183.0	474.8	1,073.5	1,831.1	5,006.8	10,582.0	2,127.5
Ever married	1,492.2	102.1	96.9	191.2	445.3	1,084.8	2,774.0	8,886.2	1,420.2
Married	1,139.1	92.4	75.1	137.8	327.9	885.4	2,407.9	7,392.0	1,174.0
Widowed	8,721.5	*	*	778.5	1,173.2	2,393.7	4,079.8	13,190.8	2,510.1
Divorced	1,633.9	195.9	284.5	479.9	1,038.8	2,140.2	5,250.7	10,627.8	2,213.8
Non-Hispanic White, female	1,214.1	41.9	60.9	134.9	291.0	723.5	1,864.1	7,695.6	1,113.6
Never married	394.5	42.8	87.4	273.3	548.2	1,183.2	3,050.0	11,180.0	1,715.9
Ever married	1,428.5	36.5	51.0	119.6	272.2	701.6	1,825.0	7,548.1	1,083.0
Married	532.6	32.9	41.1	91.4	218.8	564.6	1,376.1	3,980.5	665.4
Widowed	6,047.6	*	130.2	291.2	546.8	1,227.2	2,433.9	9,125.7	1,480.3
Divorced	1,065.3	64.4	117.3	256.3	452.3	950.7	2,716.5	8,801.2	1,410.4
Non-Hispanic Black, both sexes	1,043.2	121.4	191.5	365.8	786.9	1,602.5	3,300.7	8,704.2	1,661.8
Never married	477.6	123.8	242.2	602.6	1,168.9	2,443.5	5,953.2	12,380.3	2,539.1
Ever married	1,464.8	82.6	123.9	251.3	676.2	1,479.9	3,106.1	8,470.3	1,537.5
Married	849.0	82.7	115.5	212.1	571.6	1,261.4	2,457.2	6,355.7	1,211.0
Widowed	5,164.4	*	*	517.8	1,064.9	1,951.9	3,666.1	9,362.0	1,905.5
Divorced	1,355.1	*	169.5	373.2	855.3	1,780.1	4,862.5	11,136.9	2,083.8
Non-Hispanic Black, male	1,133.1	186.2	267.9	456.3	1,014.6	2,055.4	4,218.9	10,107.5	2,033.9
Never married	607.4	187.6	339.3	776.4	1,690.9	3,725.4	*	*	3,517.6
Ever married	1,555.3	150.6	167.3	297.3	830.9	1,837.3	3,922.7	9,699.3	1,836.8
Married	1,133.8	150.4	154.7	243.7	672.4	1,536.1	3,162.2	7,736.1	1,486.1
Widowed	6,830.1	*	*	*	*	2,315.0	5,548.7	12,759.5	*
Divorced	1,894.0	*	241.1	540.6	1,254.4	2,857.4	7,363.4	*	2,765.3
Non-Hispanic Black, female	965.4	56.8	122.4	285.7	591.5	1,238.2	2,653.0	7,992.2	1,404.7
Never married	353.8	58.0	150.4	444.4	761.3	1,564.6	4,481.5	*	1,919.2
Ever married	1,392.1	41.8	86.8	211.0	540.0	1,186.7	2,537.7	7,843.0	1,335.1
Married	556.9	42.6	80.2	180.9	462.6	945.8	1,644.1	4,171.5	843.6
Widowed	4,767.0	*	*	453.0	908.8	1,836.0	3,230.6	8,627.8	1,713.2
Divorced	1,020.5	*	117.6	270.7	594.2	1,198.1	3,495.9	*	1,680.7

. . . Category not applicable.
* Figure does not meet standards of reliability or precision, see Technical Notes.
1 Excludes figures for age not stated.
2 Calculated based on ages 25 years and over. For method of computation, see Technical Notes.
3 Figures for origin not stated are included in "All origins" but not distributed among specified groups.
4 Includes races other than white and black.
5 Figures for marital status not stated are included in totals but not distributed among specified marital status groups.

Table 27. Number of deaths, death rates, and age-adjusted death rates for ages 25-64 years, by educational attainment and sex: Total of 47 reporting States and the District of Columbia, 2001

[Rates per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Population estimates used for computing death rates are based on the Current Population Survey adjusted to resident population controls. The control totals used are 2000-based population estimates for 47 reporting States and the District of Columbia for July 1, 2001. For rates, the definition of educational attainment differs for the numerator and denominator; see Technical Notes]

Years of school completed and sex	25-64 years[1]	25-34 years	35-44 years	45-54 years	55-64 years	Age-adjusted rate [2]
	Number					
Both sexes	524,207	39,953	87,925	161,460	234,869	. . .
Under 12 years	112,654	9,063	18,304	29,269	56,018	. . .
12 years	228,103	17,698	40,605	68,928	100,872	. . .
13 years or more	165,251	12,023	26,035	57,719	69,474	. . .
Not stated	18,199	1,169	2,981	5,544	8,505	. . .
Male	323,545	27,627	55,868	100,683	139,367	. . .
Under 12 years	72,128	6,564	12,281	18,988	34,295	. . .
12 years	139,070	12,627	26,359	42,986	57,098	. . .
13 years or more	99,929	7,599	15,185	34,823	42,322	. . .
Not stated	12,418	837	2,043	3,886	5,652	. . .
Female	200,662	12,326	32,057	60,777	95,502	. . .
Under 12 years	40,526	2,499	6,023	10,281	21,723	. . .
12 years	89,033	5,071	14,246	25,942	43,774	. . .
13 years or more	65,322	4,424	10,850	22,896	27,152	. . .
Not stated	5,781	332	938	1,658	2,853	. . .
	Rate[3]					
Both sexes	364.6	105.0	202.6	426.6	959.6	362.2
Under 12 years	628.4	192.7	367.8	716.9	1,345.7	576.6
12 years	500.1	160.3	283.9	587.7	1,181.3	480.9
13 years or more	206.0	53.9	108.0	261.9	590.1	214.6
Male	454.7	143.5	259.1	542.1	1,184.7	457.5
Under 12 years	784.6	254.8	473.0	934.0	1,726.6	745.8
12 years	617.4	209.3	357.9	788.4	1,553.2	631.2
13 years or more	253.4	71.4	130.9	314.1	693.7	257.3
Female	276.4	65.6	146.8	315.3	751.3	270.7
Under 12 years	464.0	117.5	253.0	501.6	998.1	407.1
12 years	385.7	101.3	205.3	413.3	900.1	348.6
13 years or more	160.1	38.0	86.7	209.1	478.7	171.5

. . . Category not applicable.
1 Excludes figures for age not stated.
2 Calculated based on ages 25-64 years. For method of computation, see Technical Notes.
3 Figures for education not stated are included in totals for "Both sexes," "Male," and "Female" but not distributed among specified years of education.

Table 28. 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, 2001

[Rates per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; see Technical Notes. Figures include September 11, 2001 related deaths for which death certificates were filed as of 10/24/02; see Technical Notes and Table D]

Race and sex	15 years and over[1]	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65 years and over	Age-adjusted rate[2]
				Number				
All races[3], both sexes	8,303	650	1,813	2,355	1,827	972	686	. . .
Male	7,181	585	1,527	2,037	1,577	851	604	. . .
Female	1,122	65	286	318	250	121	82	. . .
White, both sexes	7,093	567	1,520	1,991	1,549	834	632	. . .
Male	6,211	517	1,301	1,752	1,350	735	556	. . .
Female	882	50	219	239	199	99	76	. . .
Black, both sexes	849	49	184	271	204	99	42	. . .
Male	680	40	146	213	160	83	38	. . .
Female	169	9	38	58	44	16	4	. . .
				Rate				
All races[3], both sexes	3.7	1.6	4.6	5.2	4.7	3.8	1.9	3.7
Male	6.6	2.9	7.6	9.1	8.2	7.0	4.1	6.6
Female	1.0	0.3	1.5	1.4	1.3	0.9	0.4	1.0
White, both sexes	3.8	1.8	4.8	5.4	4.7	3.9	2.0	3.8
Male	6.9	3.2	8.1	9.5	8.3	7.0	4.3	6.8
Female	0.9	0.3	1.4	1.3	1.2	0.9	0.4	0.9
Black, both sexes	3.1	0.8	3.4	4.7	4.6	3.9	1.4	3.1
Male	5.4	1.3	5.7	7.8	7.7	7.3	3.4	5.5
Female	1.2	*	1.3	1.9	1.8	*	*	1.1

. . . Category not applicable.
* Figure does not meet standards of reliability or precision, see Technical Notes.
1 Excludes figures for age not stated.
2 Calculated based on ages 15 years and over. For method of computation, see Technical Notes.
3 Includes races other than white and black.

Table 29. Number of deaths, death rates, and age-adjusted death rates for injury at work, by race and sex: United States, 1993-2001

[Includes ages 15 years and over. Rates on an annual basis per 100,000 population in specified group; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Rates are based on populations enumerated as of April 1 for 2000 and estimated as of July 1 for all other years; see Technical Notes. For discussion of injury at work, 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											
2001	8,303	7,181	1,122	7,093	6,211	882	1,210	970	240	849	680	169
2000	5,430	4,969	461	4,657	4,270	387	773	699	74	591	536	55
1999	5,651	5,152	499	4,805	4,385	420	846	767	79	659	598	61
1998	5,543	5,036	507	4,804	4,366	438	739	670	69	587	535	52
1997	5,666	5,144	522	4,785	4,352	433	881	792	89	684	626	58
1996	5,778	5,280	498	4,940	4,535	405	838	745	93	649	582	67
1995	5,872	5,334	538	5,007	4,550	457	865	784	81	692	627	65
1994	5,987	5,425	562	5,103	4,642	461	884	783	101	710	632	78
1993	5,847	5,352	495	4,979	4,581	398	868	771	97	677	608	69
	Rate											
2001	3.7	6.6	1.0	3.8	6.9	0.9	3.1	5.3	1.2	3.1	5.4	1.2
2000 [1]	2.5	4.6	0.4	2.5	4.8	0.4	2.0	3.7	0.4	2.2	4.3	0.4
1999 [1]	2.6	4.9	0.4	2.6	4.9	0.5	2.3	4.4	0.4	2.5	4.9	0.4
1998 [1]	2.6	4.8	0.5	2.7	5.0	0.5	2.0	3.9	0.4	2.3	4.5	0.4
1997 [1]	2.7	5.0	0.5	2.7	5.0	0.5	2.5	4.8	0.5	2.7	5.3	0.4
1996 [1]	2.7	5.2	0.5	2.8	5.3	0.4	2.4	4.6	0.5	2.6	5.1	0.5
1995 [1]	2.8	5.3	0.5	2.9	5.4	0.5	2.6	5.0	0.5	2.8	5.5	0.5
1994 [1]	2.9	5.5	0.5	3.0	5.5	0.5	2.7	5.1	0.6	3.0	5.7	0.6
1993 [1]	2.9	5.5	0.5	2.9	5.5	0.5	2.7	5.2	0.6	2.9	5.6	0.5
	Age-adjusted rate[2]											
2001	3.7	6.6	1.0	3.8	6.8	0.9	3.1	5.3	1.1	3.1	5.5	1.1
2000 [1]	2.5	4.6	0.4	2.5	4.8	0.4	2.1	3.9	0.4	2.3	4.6	0.4
1999 [1]	2.6	4.9	0.4	2.6	4.9	0.4	2.3	4.5	0.4	2.6	5.1	0.4
1998 [1]	2.6	4.8	0.5	2.7	5.0	0.5	2.1	4.1	0.4	2.3	4.7	0.4
1997 [1]	2.7	5.0	0.5	2.7	5.0	0.5	2.6	5.0	0.5	2.8	5.5	0.4
1996 [1]	2.8	5.2	0.5	2.8	5.3	0.4	2.5	4.8	0.5	2.6	5.3	0.5
1995 [1]	2.8	5.3	0.5	2.9	5.4	0.5	2.7	5.3	0.5	3.0	6.0	0.5
1994 [1]	2.9	5.5	0.5	3.0	5.6	0.5	2.8	5.4	0.6	3.1	6.0	0.6
1993 [1]	2.9	5.5	0.5	2.9	5.5	0.5	2.8	5.4	0.6	3.0	6.0	0.5

[1] Rates are revised and may differ from rates previously published; see Technical Notes.
[2] Calculated based on ages 15 years and over. For method of computation, see Technical Notes.

Table 30. Number of deaths, death rates, and age-adjusted death rates for major causes of death for the United States, and each State, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2001

[Rates per 100,000 population; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates for the United States are postcensal estimates published in 2001 based on the 2000 census estimated as of July 1, 2001 and are consistent with other populations used in this report. Populations used for computing death rates by State are postcensal estimates published in 2002 based on the 2000 census estimated as of July 1, 2001, thus State populations do not add to United States total and may not be consistent with other populations used in this report; see Technical Notes. Populations used for computing death rates by territory are postcensal estimates published in 2002 based on the 2000 census estimated as of July 1, 2001; see Technical Notes. Numbers after causes of death are categories of the Tenth Revision, International Classification of Diseases, 1992. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Area	All causes			Human immunodeficiency virus (HIV) disease (B20-B24)			Malignant neoplasms (C00-C97)			Diabetes mellitus (E10-E14)		
	Number	Rate	Age-adjusted rate[1]	Number	Rate	Age-adjusted rate[1]	Number	Rate	Age-adjusted rate[1]	Number	Rate	Age-adjusted rate[1]
United States[2]	2,416,425	848.5	854.5	14,175	5.0	5.0	553,768	194.4	196.0	71,372	25.1	25.3
Alabama	45,316	1,014.0	992.9	214	4.8	4.9	9,801	219.3	212.2	1,344	30.1	29.4
Alaska	2,974	469.4	825.8	7	*	*	689	108.7	192.6	80	12.6	22.6
Arizona	41,058	773.7	787.4	156	2.9	3.1	9,143	172.3	172.9	1,058	19.9	20.1
Arkansas	27,759	1,030.1	948.1	64	2.4	2.5	6,092	226.1	208.0	756	28.1	25.8
California	234,044	676.4	775.1	1,505	4.3	4.4	53,924	155.8	179.2	6,395	18.5	21.4
Colorado	28,294	638.5	787.8	93	2.1	2.0	6,145	138.7	169.6	667	15.1	18.7
Connecticut	29,827	868.4	767.8	193	5.6	5.4	7,093	206.5	187.2	759	22.1	19.6
Delaware	7,112	892.8	891.9	67	8.4	8.3	1,786	224.2	219.3	218	27.4	27.2
District of Columbia	5,951	1,037.1	1,038.2	223	38.9	38.1	1,327	231.3	235.3	209	36.4	37.0
Florida	167,269	1,021.6	799.7	1,664	10.2	10.4	39,090	238.7	187.2	4,631	28.3	22.0
Georgia	64,485	767.2	956.5	722	8.6	8.5	13,818	164.4	202.1	1,475	17.5	21.9
Hawaii	8,394	684.1	652.6	26	2.1	2.1	2,024	165.0	155.9	173	14.1	13.3
Idaho	9,753	738.5	798.0	12	*	*	2,093	158.5	172.2	318	24.1	26.2
Illinois	105,430	842.1	857.3	518	4.1	4.2	24,778	197.9	204.5	3,092	24.7	25.4
Indiana	55,198	900.9	908.3	119	1.9	2.0	12,831	209.4	211.6	1,677	27.4	27.7
Iowa	27,791	947.9	777.4	18	*	*	6,404	218.4	188.7	709	24.2	20.1
Kansas	24,647	912.1	839.8	39	1.4	1.5	5,448	201.6	193.3	721	26.7	25.0
Kentucky	39,861	979.7	987.7	90	2.2	2.2	9,358	230.0	227.9	1,099	27.0	27.1
Louisiana	41,757	934.1	1,005.9	404	9.0	9.3	9,517	212.9	227.4	1,734	38.8	41.7
Maine	12,421	967.0	843.2	14	*	*	3,045	237.1	207.4	398	31.0	26.9
Maryland	43,839	813.9	881.4	572	10.6	10.1	10,322	191.6	204.6	1,458	27.1	29.2
Massachusetts	56,754	886.6	801.4	249	3.9	3.7	13,750	214.8	199.3	1,422	22.2	20.2
Michigan	86,424	863.7	877.6	255	2.5	2.5	19,689	196.8	199.0	2,655	26.5	26.9
Minnesota	37,735	757.0	744.9	53	1.1	1.0	8,967	179.9	183.1	1,213	24.3	24.3
Mississippi	28,259	988.2	1,023.2	202	7.1	7.4	5,958	208.3	216.3	661	23.1	24.1
Missouri	54,982	975.3	909.5	147	2.6	2.7	12,365	219.3	206.8	1,535	27.2	25.5
Montana	8,265	912.9	840.3	5	*	*	1,956	216.0	198.8	229	25.3	23.1
Nebraska	15,174	882.2	793.5	33	1.9	2.0	3,389	197.0	185.0	400	23.3	21.2
Nevada	16,285	776.3	922.6	76	3.6	3.6	3,815	181.9	205.9	322	15.3	17.6
New Hampshire	9,815	779.4	798.5	9	*	*	2,398	190.4	193.9	291	23.1	23.6
New Jersey	74,710	877.8	831.9	785	9.2	8.9	18,165	213.4	203.2	2,556	30.0	28.5
New Mexico	14,129	771.7	825.4	39	2.1	2.2	2,900	158.4	167.0	538	29.4	31.4
New York	159,240	834.4	800.9	2,085	10.9	10.7	36,975	193.7	187.7	3,844	20.1	19.4
North Carolina	70,934	864.4	911.0	464	5.7	5.6	16,065	195.8	202.5	2,181	26.6	27.8
North Dakota	6,048	950.1	775.9	4	*	*	1,391	218.5	188.4	196	30.8	25.7
Ohio	108,027	948.5	905.7	207	1.8	1.9	24,804	217.8	207.8	3,750	32.9	31.4
Oklahoma	34,682	999.6	959.7	99	2.9	2.9	7,411	213.6	205.2	1,065	30.7	29.5
Oregon	30,158	868.2	825.6	63	1.8	1.9	7,057	203.2	196.1	1,011	29.1	27.9
Pennsylvania	129,729	1,054.4	869.9	496	4.0	4.0	29,914	243.1	203.3	3,826	31.1	25.7
Rhode Island	10,021	945.7	806.4	30	2.8	2.8	2,398	226.3	200.6	265	25.0	21.7
South Carolina	36,612	901.3	939.1	310	7.6	7.6	8,272	203.6	206.8	1,088	26.8	27.5
South Dakota	6,923	912.9	784.8	4	*	*	1,590	209.7	187.9	212	28.0	24.2
Tennessee	55,151	959.2	972.9	277	4.8	4.8	12,229	212.7	212.5	1,746	30.4	30.6
Texas	152,779	714.9	877.8	1,055	4.9	5.1	33,488	156.7	191.0	5,456	25.5	31.6
Utah	12,662	555.7	776.8	12	*	*	2,313	101.5	143.4	509	22.3	31.9
Vermont	5,201	848.5	811.2	4	*	*	1,249	203.8	194.8	155	25.3	24.1
Virginia	56,280	782.0	862.2	275	3.8	3.7	13,345	185.4	199.9	1,613	22.4	24.5
Washington	44,642	744.9	792.9	113	1.9	1.8	10,802	180.2	193.3	1,403	23.4	25.1
West Virginia	20,967	1,164.2	994.9	29	1.6	1.7	4,685	260.1	218.7	802	44.5	37.6
Wisconsin	46,628	862.5	806.5	73	1.4	1.3	10,777	199.4	190.9	1,337	24.7	23.3
Wyoming	4,029	816.0	851.7	2	*	*	923	186.9	192.9	120	24.3	25.5
Puerto Rico[3]	29,082	757.7	841.7	715	18.6	20.3	4,713	122.8	135.5	2,475	64.5	71.4
Virgin Islands[3]	605	556.3	751.6	3	*	*	114	104.8	142.6	31	28.5	41.1
Guam[3]	663	418.7	789.9	3	*	*	97	61.3	112.9	19	*	*
American Samoa[3]	239	415.4	1,229.5	-	*	*	34	59.1	147.2	21	36.5	134.4
Northern Marianas[3]	148	205.9	1,015.4	-	*	*	27	37.6	195.7	9	*	*

See footnotes at end of table.

Table 30. Number of deaths, death rates, and age-adjusted death rates for major causes of death for the United States, and each State, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2001 - Con.

[Rates per 100,000 population; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates for the United States are postcensal estimates published in 2001 based on the 2000 census estimated as of July 1, 2001 and are consistent with other populations used in this report. Populations used for computing death rates by State are postcensal estimates published in 2002 based on the 2000 census estimated as of July 1, 2001, thus State populations do not add to United States total and may not be consistent with other populations used in this report; see Technical Notes. Populations used for computing death rates by territory are postcensal estimates published in 2002 based on the 2000 census estimated as of July 1, 2001; see Technical Notes. Numbers after causes of death are categories of the Tenth Revision, International Classification of Diseases, 1992. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Area	Alzheimer's disease (G30)			Diseases of heart (I00-I09,I11,I13,I20-I51)			Cerebrovascular diseases (I60-I69)			Influenza and pneumonia (J10-J18)		
	Number	Rate	Age-adjusted rate[1]	Number	Rate	Age-adjusted rate[1]	Number	Rate	Age-adjusted rate[1]	Number	Rate	Age-adjusted rate[1]
United States[2]	53,852	18.9	19.1	700,142	245.8	247.8	163,538	57.4	57.9	62,034	21.8	22.0
Alabama	1,103	24.7	24.6	13,207	295.5	289.3	2,998	67.1	66.0	1,105	24.7	24.4
Alaska	44	6.9	18.8	603	95.2	187.7	158	24.9	57.4	36	5.7	12.9
Arizona	1,108	20.9	22.1	10,588	199.5	204.5	2,480	46.7	48.2	1,133	21.3	22.1
Arkansas	452	16.8	15.1	8,263	306.6	279.1	2,256	83.7	75.9	735	27.3	24.8
California	4,935	14.3	16.9	68,234	197.2	230.4	18,088	52.3	61.2	8,129	23.5	27.6
Colorado	852	19.2	25.9	6,293	142.0	181.0	1,825	41.2	53.9	650	14.7	19.0
Connecticut	573	16.7	13.8	8,582	249.9	216.4	2,003	58.3	49.6	854	24.9	20.9
Delaware	135	16.9	17.6	2,033	255.2	257.2	383	48.1	49.2	181	22.7	23.4
District of Columbia	99	17.3	17.0	1,761	306.9	308.5	265	46.2	46.4	86	15.0	15.1
Florida	3,643	22.2	16.1	50,629	309.2	233.2	10,414	63.6	47.6	3,317	20.3	15.2
Georgia	1,419	16.9	23.5	17,478	207.9	268.0	4,312	51.3	67.3	1,515	18.0	24.0
Hawaii	122	9.9	9.6	2,310	188.3	179.5	766	62.4	59.8	207	16.9	16.1
Idaho	294	22.3	24.4	2,489	188.5	205.1	781	59.1	64.7	239	18.1	19.6
Illinois	2,163	17.3	17.3	30,990	247.5	251.5	7,230	57.7	58.4	2,659	21.2	21.3
Indiana	1,231	20.1	20.2	15,682	256.0	258.0	3,877	63.3	63.7	1,184	19.3	19.4
Iowa	863	29.4	21.7	8,250	281.4	224.0	2,218	75.6	58.8	877	29.9	22.7
Kansas	642	23.8	20.3	6,716	248.5	224.0	1,848	68.4	60.3	561	20.8	18.2
Kentucky	966	23.7	24.7	11,808	290.2	294.0	2,557	62.8	64.4	1,114	27.4	28.2
Louisiana	957	21.4	24.2	11,474	256.7	280.1	2,638	59.0	64.8	941	21.0	23.4
Maine	471	36.7	30.9	3,272	254.7	218.8	822	64.0	54.7	269	20.9	17.8
Maryland	948	17.6	20.2	12,310	228.6	251.6	2,882	53.5	59.6	928	17.2	19.3
Massachusetts	1,533	23.9	20.5	15,144	236.6	210.4	3,535	55.2	48.6	1,770	27.7	24.0
Michigan	1,803	18.0	18.5	26,896	268.8	273.8	5,701	57.0	58.2	2,076	20.7	21.2
Minnesota	1,173	23.5	22.0	8,760	175.7	171.0	2,727	54.7	52.5	828	16.6	15.5
Mississippi	449	15.7	16.4	9,050	316.5	329.0	1,935	67.7	70.5	754	26.4	27.4
Missouri	1,106	19.6	17.6	16,633	295.1	271.9	3,796	67.3	61.6	1,604	28.5	25.8
Montana	249	27.5	24.7	1,970	217.6	197.9	578	63.8	57.6	193	21.3	19.2
Nebraska	430	25.0	20.8	4,150	241.3	210.9	1,130	65.7	57.3	296	17.2	14.5
Nevada	211	10.1	14.7	4,393	209.4	257.1	913	43.5	55.1	352	16.8	21.9
New Hampshire	305	24.2	25.0	2,835	225.1	230.9	633	50.3	52.0	216	17.2	17.7
New Jersey	1,376	16.2	15.0	22,704	266.8	250.8	4,007	47.1	44.2	1,893	22.2	20.8
New Mexico	297	16.2	18.3	3,423	187.0	203.4	824	45.0	49.6	398	21.7	24.0
New York	1,705	8.9	8.4	56,643	296.8	282.2	7,706	40.4	38.4	5,085	26.6	25.2
North Carolina	1,786	21.8	24.2	18,792	229.0	244.0	5,401	65.8	71.3	1,780	21.7	23.7
North Dakota	224	35.2	25.3	1,700	267.1	210.9	507	79.6	60.4	162	25.4	18.8
Ohio	2,367	20.8	19.7	32,453	284.9	271.0	6,891	60.5	57.4	2,401	21.1	20.0
Oklahoma	682	19.7	18.6	10,840	312.4	298.1	2,384	68.7	65.6	913	26.3	25.1
Oregon	1,030	29.7	27.2	7,075	203.7	191.6	2,588	74.5	69.5	575	16.6	15.3
Pennsylvania	2,753	22.4	17.2	39,438	320.6	257.8	8,619	70.1	55.5	2,735	22.2	17.6
Rhode Island	251	23.7	18.4	3,076	290.3	240.5	614	57.9	47.4	295	27.8	22.3
South Carolina	881	21.7	24.4	9,471	233.2	245.5	2,832	69.7	75.0	754	18.6	20.1
South Dakota	156	20.6	15.7	1,985	261.8	218.1	490	64.6	52.5	188	24.8	19.5
Tennessee	1,148	20.0	20.9	15,688	272.9	278.2	4,037	70.2	72.3	1,617	28.1	29.1
Texas	3,439	16.1	21.4	43,199	202.1	255.1	10,612	49.7	63.8	3,608	16.9	21.7
Utah	314	13.8	20.7	2,896	127.1	185.2	870	38.2	56.4	411	18.0	26.7
Vermont	149	24.3	22.9	1,429	233.1	221.4	323	52.7	50.2	133	21.7	20.4
Virginia	1,184	16.5	19.4	14,913	207.2	231.9	4,129	57.4	65.4	1,481	20.6	23.7
Washington	2,050	34.2	36.5	11,281	188.2	201.2	3,765	62.8	67.2	965	16.1	17.1
West Virginia	398	22.1	18.6	6,325	351.2	296.0	1,272	70.6	59.4	483	26.8	22.7
Wisconsin	1,269	23.5	20.8	13,023	240.9	222.3	3,658	67.7	61.7	1,236	22.9	20.5
Wyoming	114	23.1	25.0	985	199.5	209.5	260	52.7	56.1	112	22.7	24.1
Puerto Rico[3]	842	21.9	26.0	6,409	167.0	188.2	1,700	44.3	50.6	1,091	28.4	32.8
Virgin Islands[3]	7	*	*	172	158.2	228.6	47	43.2	61.4	9	*	*
Guam[3]	2	*	*	204	128.8	276.1	62	39.2	87.2	17	*	*
American Samoa[3]	-	*	*	51	88.7	318.9	19	*	*	4	*	*
Northern Marianas[3]	-	*	*	23	32.0	204.5	15	*	*	1	*	*

See footnotes at end of table.

Table 30. Number of deaths, death rates, and age-adjusted death rates for major causes of death for the United States, and each State, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2001 - Con.

[Rates per 100,000 population; age-adjusted rates per 100,000 U.S. standard population; see Technical Notes. Populations used for computing death rates for the United States are postcensal estimates published in 2001 based on the 2000 census estimated as of July 1, 2001 and are consistent with other populations used in this report. Populations used for computing death rates by State are postcensal estimates published in 2002 based on the 2000 census estimated as of July 1, 2001, thus State populations do not add to United States total and may not be consistent with other populations used in this report; see Technical Notes. Populations used for computing death rates by territory are postcensal estimates published in 2002 based on the 2000 census estimated as of July 1, 2001; see Technical Notes. Numbers after causes of death are categories of the Tenth Revision, International Classification of Diseases, 1992. For explanation of asterisks preceding cause-of-death codes, see Technical Notes]

Area	Chronic lower respiratory diseases (J40-J47)			Chronic liver disease and cirrhosis (K70,K73-K74)			Nephritis, nephrotic syndrome, and nephrosis (N00-N07,N17-N19,N25-N27)			Accidents (V01-X59,Y85-Y86)		
	Number	Rate	Age-adjusted rate[1]	Number	Rate	Age-adjusted rate[1]	Number	Rate	Age-adjusted rate[1]	Number	Rate	Age-adjusted rate[1]
United States[2]	123,013	43.2	43.7	27,035	9.5	9.5	39,480	13.9	14.0	101,537	35.7	35.7
Alabama	2,204	49.3	48.0	445	10.0	9.6	974	21.8	21.4	2,211	49.5	49.2
Alaska	147	23.2	49.6	57	9.0	10.7	24	3.8	7.2	345	54.4	60.4
Arizona	2,499	47.1	47.3	661	12.5	12.8	644	12.1	12.3	2,475	46.6	47.3
Arkansas	1,368	50.8	46.2	233	8.6	8.3	521	19.3	17.6	1,277	47.4	46.4
California	12,965	37.5	43.9	3,692	10.7	11.7	1,994	5.8	6.7	8,132	23.5	24.4
Colorado	1,836	41.4	53.5	420	9.5	10.2	391	8.8	11.2	1,720	38.8	41.5
Connecticut	1,486	43.3	38.0	294	8.6	8.0	585	17.0	15.0	1,056	30.7	29.5
Delaware	306	38.4	37.9	75	9.4	9.1	108	13.6	13.7	290	36.4	36.3
District of Columbia	150	26.1	26.5	63	11.0	11.1	79	13.8	13.7	223	38.9	38.3
Florida	8,954	54.7	40.9	2,013	12.3	10.8	2,172	13.3	10.0	6,969	42.6	40.5
Georgia	3,097	36.8	47.9	654	7.8	8.7	1,362	16.2	20.9	3,396	40.4	43.6
Hawaii	280	22.8	21.6	84	6.8	6.4	123	10.0	9.5	372	30.3	29.7
Idaho	581	44.0	48.4	105	8.0	8.5	95	7.2	7.9	568	43.0	44.0
Illinois	4,776	38.1	39.3	1,103	8.8	9.1	2,178	17.4	17.7	4,077	32.6	32.7
Indiana	3,136	51.2	51.9	459	7.5	7.5	1,149	18.8	18.9	2,185	35.7	35.7
Iowa	1,552	52.9	43.5	214	7.3	6.8	220	7.5	6.0	1,051	35.8	32.3
Kansas	1,444	53.4	49.9	208	7.7	7.7	498	18.4	16.4	1,156	42.8	41.3
Kentucky	2,265	55.7	56.2	387	9.5	9.2	807	19.8	20.2	1,990	48.9	48.7
Louisiana	1,763	39.4	43.0	327	7.3	7.6	993	22.2	24.1	2,029	45.4	46.4
Maine	800	62.3	54.1	111	8.6	7.6	208	16.2	13.9	490	38.1	36.0
Maryland	1,907	35.4	39.2	481	8.9	9.0	593	11.0	12.0	1,339	24.9	25.7
Massachusetts	2,810	43.9	39.7	556	8.7	8.3	1,207	18.9	16.8	1,506	23.5	22.0
Michigan	4,148	41.5	42.3	1,058	10.6	10.5	1,533	15.3	15.6	3,291	32.9	33.1
Minnesota	1,909	38.3	38.7	359	7.2	7.3	729	14.6	14.2	1,797	36.1	35.2
Mississippi	1,333	46.6	48.7	265	9.3	9.6	602	21.1	21.9	1,571	54.9	55.6
Missouri	2,882	51.1	47.7	439	7.8	7.5	991	17.6	16.2	2,455	43.5	42.4
Montana	583	64.4	59.1	104	11.5	10.6	128	14.1	12.8	468	51.7	49.9
Nebraska	882	51.3	46.5	103	6.0	5.9	289	16.8	14.8	633	36.8	34.7
Nevada	1,136	54.2	65.6	297	14.2	14.5	376	17.9	21.6	739	35.2	37.2
New Hampshire	616	48.9	50.8	121	9.6	9.6	136	10.8	11.2	374	29.7	29.9
New Jersey	2,911	34.2	32.4	778	9.1	8.7	1,495	17.6	16.6	2,405	28.3	27.7
New Mexico	775	42.3	45.6	302	16.5	16.7	172	9.4	10.2	1,020	55.7	57.6
New York	6,906	36.2	34.8	1,488	7.8	7.6	2,421	12.7	12.2	4,982	26.1	25.6
North Carolina	3,514	42.8	45.4	725	8.8	8.9	1,332	16.2	17.3	3,438	41.9	42.6
North Dakota	308	48.4	39.5	62	9.7	9.3	50	7.9	6.2	238	37.4	33.8
Ohio	5,881	51.6	49.0	1,027	9.0	8.7	1,912	16.8	16.0	3,857	33.9	33.3
Oklahoma	1,922	55.4	53.0	363	10.5	10.2	567	16.3	15.6	1,700	49.0	48.3
Oregon	1,726	49.7	47.8	339	9.8	9.4	331	9.5	9.0	1,313	37.8	36.8
Pennsylvania	5,845	47.5	38.2	1,134	9.2	8.1	2,838	23.1	18.5	4,552	37.0	34.4
Rhode Island	511	48.2	40.8	96	9.1	8.4	118	11.1	9.3	293	27.7	25.1
South Carolina	1,731	42.6	44.4	461	11.3	11.2	632	15.6	16.3	1,960	48.3	48.7
South Dakota	362	47.7	41.5	77	10.2	10.1	103	13.6	11.1	382	50.4	47.0
Tennessee	2,941	51.2	52.0	613	10.7	10.4	624	10.9	11.1	2,709	47.1	47.1
Texas	7,739	36.2	46.1	2,213	10.4	11.8	2,269	10.6	13.4	7,920	37.1	39.5
Utah	525	23.0	33.6	138	6.1	8.1	178	7.8	11.4	643	28.2	32.3
Vermont	305	49.8	48.1	37	6.0	5.6	86	14.0	13.3	230	37.5	36.4
Virginia	2,744	38.1	42.8	531	7.4	7.5	1,128	15.7	17.6	2,432	33.8	35.1
Washington	2,634	43.9	47.8	571	9.5	9.8	279	4.7	4.9	2,072	34.6	35.1
West Virginia	1,273	70.7	58.9	212	11.8	10.3	391	21.7	18.2	834	46.3	44.6
Wisconsin	2,375	43.9	41.4	431	8.0	7.8	791	14.6	13.4	2,100	38.8	37.3
Wyoming	270	54.7	57.5	49	9.9	9.7	54	10.9	11.6	272	55.1	55.4
Puerto Rico[3]	1,226	31.9	36.9	283	7.4	7.9	804	20.9	23.2	1,290	33.6	34.8
Virgin Islands[3]	8	*	*	9	*	*	5	*	*	40	36.8	39.6
Guam[3]	22	13.9	34.3	10	*	*	15	*	*	45	28.4	36.5
American Samoa[3]	9	*	*	3	*	*	7	*	*	14	*	*
Northern Marianas[3]	5	*	*	2	*	*	7	*	*	6	*	*

See footnotes at end of table.

Table 30. Number of deaths, death rates, and age-adjusted death rates for major causes of death for the United States, and each State, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2001 - Con.

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Area	Motor vehicle accidents [4]			Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)[5]			Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)[5]			Injury by firearms [6]		
	Number	Rate	Age-adjusted rate[1]	Number	Rate	Age-adjusted rate[1]	Number	Rate	Age-adjusted rate[1]	Number	Rate	Age-adjusted rate[1]
United States[2]	43,788	15.4	15.3	30,622	10.8	10.7	20,308	7.1	7.1	29,573	10.4	10.3
Alabama	1,037	23.2	23.1	512	11.5	11.3	425	9.5	9.5	737	16.5	16.4
Alaska	103	16.3	17.4	102	16.1	15.9	38	6.0	5.7	95	15.0	14.9
Arizona	1,020	19.2	19.4	767	14.5	14.8	494	9.3	9.3	842	15.9	16.0
Arkansas	661	24.5	24.4	382	14.2	14.2	183	6.8	6.9	412	15.3	15.3
California	3,932	11.4	11.5	2,831	8.2	8.5	2,223	6.4	6.2	3,200	9.2	9.3
Colorado	758	17.1	17.2	722	16.3	16.5	169	3.8	3.7	510	11.5	11.7
Connecticut	317	9.2	9.4	283	8.2	8.2	172	5.0	5.1	191	5.6	5.6
Delaware	122	15.3	15.2	108	13.6	13.3	33	4.1	4.1	76	9.5	9.4
District of Columbia	54	9.4	9.2	40	7.0	6.5	197	34.3	31.3	169	29.5	26.4
Florida	3,094	18.9	18.6	2,314	14.1	13.5	969	5.9	6.1	1,816	11.1	10.7
Georgia	1,628	19.4	19.7	935	11.1	11.4	681	8.1	7.8	1,124	13.4	13.5
Hawaii	128	10.4	10.3	136	11.1	10.9	34	2.8	2.8	47	3.8	3.8
Idaho	256	19.4	19.3	210	15.9	16.3	41	3.1	3.1	175	13.3	13.5
Illinois	1,585	12.7	12.7	1,139	9.1	9.1	1,087	8.7	8.6	1,289	10.3	10.2
Indiana	970	15.8	15.8	715	11.7	11.7	437	7.1	7.1	729	11.9	11.9
Iowa	447	15.2	14.9	304	10.4	10.1	61	2.1	2.1	191	6.5	6.3
Kansas	539	19.9	19.6	293	10.8	10.9	143	5.3	5.3	267	9.9	9.9
Kentucky	861	21.2	20.9	495	12.2	11.9	221	5.4	5.3	524	12.9	12.6
Louisiana	990	22.1	22.2	493	11.0	11.2	541	12.1	11.9	781	17.5	17.5
Maine	200	15.6	15.2	161	12.5	12.0	21	1.6	1.6	98	7.6	7.2
Maryland	703	13.1	13.3	454	8.4	8.4	555	10.3	10.4	607	11.3	11.4
Massachusetts	565	8.8	8.7	426	6.7	6.5	246	3.8	3.8	194	3.0	3.0
Michigan	1,431	14.3	14.3	1,051	10.5	10.5	689	6.9	6.9	1,077	10.8	10.8
Minnesota	628	12.6	12.6	480	9.6	9.6	127	2.5	2.5	324	6.5	6.5
Mississippi	825	28.8	28.9	328	11.5	11.7	326	11.4	11.4	502	17.6	17.6
Missouri	1,105	19.6	19.4	725	12.9	12.7	437	7.8	7.8	744	13.2	13.1
Montana	212	23.4	23.2	175	19.3	19.1	32	3.5	3.6	160	17.7	17.6
Nebraska	271	15.8	15.5	187	10.9	10.9	44	2.6	2.6	140	8.1	8.1
Nevada	331	15.8	16.2	387	18.4	18.8	175	8.3	8.4	345	16.4	16.7
New Hampshire	136	10.8	10.8	167	13.3	13.1	28	2.2	2.2	91	7.2	7.2
New Jersey	755	8.9	9.0	588	6.9	6.8	1,051	12.3	12.2	370	4.3	4.4
New Mexico	430	23.5	23.8	362	19.8	20.2	130	7.1	7.1	274	15.0	15.2
New York	1,678	8.8	8.7	1,253	6.6	6.5	2,818	14.8	14.5	1,068	5.6	5.6
North Carolina	1,647	20.1	20.1	997	12.1	12.1	599	7.3	7.1	1,093	13.3	13.2
North Dakota	115	18.1	17.5	79	12.4	12.7	9	*	*	47	7.4	7.5
Ohio	1,470	12.9	12.9	1,219	10.7	10.6	524	4.6	4.7	1,029	9.0	9.0
Oklahoma	728	21.0	20.8	515	14.8	14.9	210	6.1	6.0	489	14.1	14.0
Oregon	506	14.6	14.4	505	14.5	14.4	100	2.9	2.9	358	10.3	10.2
Pennsylvania	1,574	12.8	12.5	1,276	10.4	10.1	671	5.5	5.7	1,172	9.5	9.5
Rhode Island	97	9.2	8.8	88	8.3	8.0	37	3.5	3.5	46	4.3	4.3
South Carolina	999	24.6	24.3	467	11.5	11.3	350	8.6	8.5	564	13.9	13.7
South Dakota	184	24.3	24.0	105	13.8	13.9	18	*	*	54	7.1	7.1
Tennessee	1,305	22.7	22.5	711	12.4	12.2	454	7.9	7.8	845	14.7	14.5
Texas	3,964	18.5	18.9	2,225	10.4	10.9	1,415	6.6	6.4	2,350	11.0	11.2
Utah	299	13.1	13.6	321	14.1	15.4	77	3.4	3.4	229	10.0	10.9
Vermont	88	14.4	14.2	72	11.7	11.3	14	*	*	51	8.3	8.0
Virginia	961	13.4	13.5	797	11.1	11.0	509	7.1	6.9	771	10.7	10.6
Washington	745	12.4	12.5	712	11.9	11.8	195	3.3	3.2	510	8.5	8.5
West Virginia	373	20.7	20.6	286	15.9	15.0	68	3.8	3.7	251	13.9	13.1
Wisconsin	821	15.2	15.0	639	11.8	11.7	214	4.0	3.9	475	8.8	8.7
Wyoming	140	28.4	28.0	83	16.8	16.4	16	*	*	70	14.2	13.9
Puerto Rico[3]	499	13.0	13.0	289	7.5	7.8	760	19.8	19.0	738	19.2	18.4
Virgin Islands[3]	17	*	*	4	*	*	28	25.7	27.0	27	24.8	26.8
Guam[3]	20	12.6	14.2	23	14.5	13.8	8	*	*	8	*	*
American Samoa[3]	2	*	*	4	*	*	-	*	*	-	*	*
Northern Marianas[3]	2	*	*	12	*	*	4	*	*	1	*	*

* Figure does not meet standards of reliability or precision; see Technical Notes.
\- Quantity zero.
1 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.
2 Excludes data for Puerto Rico, Virgin Islands, Guam, American Samoa and Northern Marianas.
3 Age-adjusted death rates for Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas are calculated using different age groups in the weighting procedure; see Technical Notes.
4 ICD-10 codes for Motor vehicle accidents are V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2,V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1,V82.0-V82.1,V83-V86,V87.0-V87.8, V88.0-V88.8,V89.0,V89.2.
5 Figures include September 11, 2001 related deaths for which death certificates were filed as of 10/24/02; see Technical Notes and Table D.
6 ICD-10 codes for Injury by firearms are *U01.4,W32-W34,X72-X74,X93-X95,Y22-Y24,Y35.0.

Table 31. Infant, neonatal, and postneonatal mortality rates by race and sex: United States, 1940, 1950, 1960, 1970, and 1975-2001

[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					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
						Infant mortality rate						
Race of mother[1]												
2001	6.8	7.5	6.1	5.7	6.2	5.1	11.3	12.4	10.2	14.0	15.5	12.5
2000	6.9	7.6	6.2	5.7	6.2	5.1	11.4	12.6	10.3	14.1	15.5	12.6
1999	7.1	7.7	6.4	5.8	6.4	5.2	11.9	12.9	10.9	14.6	15.9	13.2
1998	7.2	7.8	6.5	6.0	6.5	5.4	11.9	13.0	10.8	14.3	15.7	12.8
1997	7.2	8.0	6.5	6.0	6.7	5.4	11.8	12.8	10.7	14.2	15.5	12.8
1996	7.3	8.0	6.6	6.1	6.7	5.4	12.2	13.3	11.0	14.7	16.0	13.3
1995	7.6	8.3	6.8	6.3	7.0	5.6	12.6	13.5	11.6	15.1	16.3	13.9
1994	8.0	8.8	7.2	6.6	7.2	5.9	13.5	14.8	12.1	15.8	17.5	14.1
1993	8.4	9.3	7.4	6.8	7.6	6.0	14.1	15.6	12.5	16.5	18.3	14.7
1992	8.5	9.4	7.6	6.9	7.7	6.1	14.4	15.7	13.1	16.8	18.4	15.3
1991	8.9	10.0	7.8	7.3	8.3	6.3	15.1	16.5	13.6	17.6	19.4	15.7
1990	9.2	10.3	8.1	7.6	8.5	6.6	15.5	17.0	14.0	18.0	19.6	16.2
1989	9.8	10.8	8.8	8.1	9.0	7.1	16.3	17.6	15.0	18.6	20.0	17.2
1988	10.0	11.0	8.9	8.4	9.4	7.3	16.1	17.3	14.8	18.5	20.0	17.0
1987	10.1	11.2	8.9	8.5	9.5	7.5	16.5	18.1	14.8	18.8	20.6	16.8
1986	10.4	11.5	9.1	8.8	9.9	7.7	16.7	18.5	14.9	18.9	20.9	16.8
1985	10.6	11.9	9.3	9.2	10.4	7.9	16.8	18.3	15.3	19.0	20.8	17.2
1984	10.8	11.9	9.6	9.3	10.4	8.2	17.1	18.4	15.7	19.2	20.7	17.6
1983	11.2	12.3	10.0	9.6	10.7	8.5	17.8	19.4	16.1	20.0	22.0	18.0
1982	11.5	12.8	10.2	9.9	11.1	8.7	18.3	20.1	16.5	20.5	22.5	18.4
1981	11.9	13.1	10.7	10.3	11.5	9.1	18.8	20.4	17.2	20.8	22.5	19.0
1980	12.6	13.9	11.2	10.9	12.1	9.5	20.2	21.9	18.4	22.2	24.2	20.2
Race of child[2]												
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[1]												
2001	4.5	5.0	4.1	3.8	4.2	3.4	7.4	8.1	6.6	9.2	10.2	8.2
2000	4.6	5.1	4.2	3.8	4.2	3.5	7.6	8.4	6.8	9.4	10.4	8.3
1999	4.7	5.1	4.3	3.9	4.2	3.6	7.9	8.6	7.3	9.8	10.7	8.8
1998	4.8	5.2	4.4	4.0	4.3	3.6	7.9	8.6	7.2	9.5	10.5	8.6
1997	4.8	5.2	4.3	4.0	4.4	3.6	7.7	8.4	7.1	9.4	10.1	8.6
1996	4.8	5.2	4.3	4.0	4.3	3.6	7.9	8.6	7.1	9.6	10.4	8.7
1995	4.9	5.4	4.4	4.1	4.5	3.6	8.1	8.7	7.5	9.8	10.6	9.0
1994	5.1	5.6	4.6	4.2	4.5	3.8	8.6	9.5	7.7	10.2	11.3	9.1
1993	5.3	5.7	4.8	4.3	4.6	3.9	9.0	9.9	8.1	10.7	11.8	9.6
1992	5.4	5.8	4.9	4.3	4.7	4.0	9.2	10.0	8.3	10.8	11.8	9.8
1991	5.6	6.2	5.0	4.5	5.0	4.0	9.5	10.5	8.5	11.2	12.6	9.9
1990	5.8	6.5	5.2	4.8	5.4	4.2	9.9	10.8	8.9	11.6	12.7	10.4
1989	6.2	6.8	5.6	5.1	5.7	4.6	10.3	11.1	9.5	11.9	12.8	11.0
1988	6.3	6.9	5.7	5.3	5.8	4.7	10.3	11.2	9.4	12.1	13.1	10.9
1987	6.5	7.1	5.8	5.4	6.0	4.8	10.7	11.7	9.6	12.3	13.5	11.1
1986	6.7	7.4	6.0	5.7	6.3	5.1	10.8	11.8	9.7	12.3	13.6	11.0
1985	7.0	7.8	6.1	6.0	6.8	5.2	11.0	12.0	10.0	12.6	13.8	11.4
1984	7.0	7.7	6.3	6.1	6.7	5.4	10.9	11.7	10.1	12.3	13.2	11.4
1983	7.3	8.0	6.5	6.3	7.0	5.6	11.4	12.5	10.3	12.9	14.2	11.6
1982	7.7	8.5	6.9	6.7	7.4	5.9	12.0	13.2	10.9	13.6	14.9	12.3
1981	8.0	8.8	7.2	7.0	7.7	6.2	12.5	13.5	11.5	14.0	15.2	12.8
1980	8.5	9.3	7.6	7.4	8.2	6.5	13.2	14.3	12.1	14.6	15.9	13.3

See footnotes at end of table.

Table 31. Infant, neonatal, and postneonatal mortality rates by race and sex: United States, 1940, 1950, 1960, 1970, and 1975-2001 - 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					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	Neonatal mortality rate											
Race of child[2]												
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
	Postneonatal mortality rate											
Race of mother[1]												
2001	2.3	2.5	2.1	1.9	2.1	1.7	4.0	4.4	3.5	4.8	5.3	4.3
2000	2.3	2.5	2.0	1.9	2.1	1.7	3.8	4.2	3.5	4.7	5.1	4.3
1999	2.3	2.6	2.0	1.9	2.2	1.6	4.0	4.3	3.6	4.8	5.2	4.4
1998	2.4	2.6	2.2	2.0	2.2	1.8	4.0	4.4	3.6	4.8	5.2	4.3
1997	2.5	2.8	2.1	2.0	2.3	1.8	4.0	4.5	3.6	4.8	5.3	4.2
1996	2.5	2.8	2.2	2.1	2.4	1.8	4.3	4.7	3.9	5.1	5.6	4.6
1995	2.7	3.0	2.4	2.2	2.5	1.9	4.5	4.8	4.1	5.3	5.7	4.8
1994	2.9	3.2	2.6	2.4	2.7	2.1	4.9	5.3	4.4	5.6	6.2	5.0
1993	3.1	3.5	2.6	2.5	2.9	2.1	5.1	5.7	4.4	5.8	6.6	5.1
1992	3.1	3.5	2.7	2.6	3.0	2.2	5.2	5.7	4.8	6.0	6.5	5.5
1991	3.4	3.8	2.9	2.8	3.2	2.3	5.6	6.0	5.1	6.3	6.8	5.8
1990	3.4	3.8	3.0	2.8	3.1	2.4	5.7	6.2	5.1	6.4	6.9	5.9
1989	3.6	4.0	3.1	2.9	3.4	2.5	6.0	6.5	5.5	6.7	7.2	6.2
1988	3.6	4.0	3.2	3.1	3.5	2.6	5.7	6.1	5.4	6.5	6.9	6.1
1987	3.6	4.1	3.2	3.1	3.5	2.6	5.8	6.3	5.2	6.4	7.1	5.8
1986	3.6	4.1	3.1	3.1	3.5	2.6	5.9	6.6	5.2	6.6	7.3	5.8
1985	3.7	4.2	3.2	3.2	3.6	2.7	5.8	6.3	5.3	6.4	7.0	5.8
1984	3.8	4.2	3.3	3.2	3.7	2.8	6.2	6.7	5.6	6.8	7.5	6.2
1983	3.9	4.3	3.4	3.3	3.7	2.9	6.4	7.0	5.8	7.0	7.8	6.3
1982	3.8	4.3	3.3	3.2	3.7	2.8	6.3	6.9	5.6	6.9	7.6	6.1
1981	3.9	4.3	3.5	3.4	3.8	2.9	6.3	6.8	5.8	6.8	7.4	6.3
1980	4.1	4.6	3.6	3.5	3.9	3.0	7.0	7.6	6.3	7.6	8.3	6.9
Race of child[2]												
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

[1] 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.
[2] 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 32. Number of infant deaths and infant mortality rates for 130 selected causes by race: United States, 2001

[Rates are infant deaths (under 1 year) per 100,000 live births in specified group. Infant deaths based on race of decedent; live births based on race of mother]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Number			Rate		
	All races [1]	White	Black	All races [1]	White	Black
All causes	27,568	17,955	8,498	684.8	565.0	1,401.9
Certain infectious and parasitic diseases (A00-B99)	563	334	203	14.0	10.5	33.5
Certain intestinal infectious diseases (A00-A08)	12	9	2	*	*	*
Diarrhea and gastroenteritis of infectious origin (A09)	2	-	2	*	*	*
Tuberculosis (A16-A19)	2	1	-	*	*	*
Tetanus (A33,A35)	-	-	-	*	*	*
Diphtheria (A36)	-	-	-	*	*	*
Whooping cough (A37)	16	15	1	*	*	*
Meningococcal infection (A39)	16	14	2	*	*	*
Septicemia (A40-A41)	312	171	126	7.7	5.4	20.8
Congenital syphilis (A50)	1	1	-	*	*	*
Gonococcal infection (A54)	-	-	-	*	*	*
Viral diseases (A80-B34)	121	72	43	3.0	2.3	7.1
Acute poliomyelitis (A80)	-	-	-	*	*	*
Varicella (chickenpox) (B01)	1	-	-	*	*	*
Measles (B05)	-	-	-	*	*	*
Human immunodeficiency virus (HIV) disease (B20-B24)	10	3	7	*	*	*
Mumps (B26)	-	-	-	*	*	*
Other and unspecified viral diseases (A81-B00,B02-B04,B06-B19,B25,B27-B34)	110	69	36	2.7	2.2	5.9
Candidiasis (B37)	21	13	7	0.5	*	*
Malaria (B50-B54)	-	-	-	*	*	*
Pneumocystosis (B59)	2	2	-	*	*	*
All other and unspecified infectious and parasitic diseases (A20-A32,A38,A42-A49,A51-A53,A55-A79,B35-B36,B38-B49,B55-B58,B60-B99)	58	36	20	1.4	1.1	3.3
Neoplasms (C00-D48)	117	91	17	2.9	2.9	*
Malignant neoplasms (C00-C97)	66	54	6	1.6	1.7	*
Hodgkin's disease and non-Hodgkin's lymphomas (C81-C85)	1	1	-	*	*	*
Leukemia (C91-C95)	25	20	4	0.6	0.6	*
Other and unspecified malignant neoplasms (C00-C80,C88,C90,C96-C97)	40	33	2	1.0	1.0	*
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	51	37	11	1.3	1.2	*
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)	106	72	23	2.6	2.3	3.8
Anemias (D50-D64)	16	6	6	*	*	*
Hemorrhagic conditions and other diseases of blood and blood-forming organs (D65-D76)	59	42	11	1.5	1.3	*
Certain disorders involving the immune mechanism (D80-D89)	31	24	6	0.8	0.8	*
Endocrine, nutritional and metabolic diseases (E00-E88)	292	213	67	7.3	6.7	11.1
Short stature, not elsewhere classified (E34.3)	26	21	5	0.6	0.7	*
Nutritional deficiencies (E40-E64)	4	3	1	*	*	*
Cystic fibrosis (E84)	6	6	-	*	*	*
Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)	90	54	33	2.2	1.7	5.4
All other endocrine, nutritional and metabolic diseases (E00-E32,E34.0-E34.2,E34.4-E34.9,E65-E83,E85,E88)	166	129	28	4.1	4.1	4.6
Diseases of the nervous system (G00-G98)	360	249	94	8.9	7.8	15.5
Meningitis (G00,G03)	78	47	29	1.9	1.5	4.8
Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) (G12.0)	21	18	2	0.5	*	*
Infantile cerebral palsy (G80)	19	7	9	*	*	*
Anoxic brain damage, not elsewhere classified (G93.1)	26	15	9	0.6	*	*
Other diseases of nervous system (G04,G06-G11,G12.1-G12.9,G20-G72,G81-G92,G93.0,G93.2-G93.9,G95-G98)	216	162	45	5.4	5.1	7.4
Diseases of the ear and mastoid process (H60-H93)	3	2	1	*	*	*
Diseases of the circulatory system (I00-I99)	622	400	191	15.4	12.6	31.5
Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	170	114	44	4.2	3.6	7.3
Pericarditis, endocarditis and myocarditis (I30,I33,I40)	21	9	10	0.5	*	*
Cardiomyopathy (I42)	137	88	44	3.4	2.8	7.3
Cardiac arrest (I46)	24	18	4	0.6	*	*
Cerebrovascular diseases (I60-I69)	108	60	43	2.7	1.9	7.1
All other diseases of circulatory system (I00-I25,I31,I34-I38,I44-I45,I47-I51,I70-I99)	162	111	46	4.0	3.5	7.6
Diseases of the respiratory system (J00-J98)	696	386	258	17.3	12.1	42.6
Acute upper respiratory infections (J00-J06)	9	5	3	*	*	*
Influenza and pneumonia (J10-J18)	299	168	106	7.4	5.3	17.5
Influenza (J10-J11)	7	7	-	*	*	*
Pneumonia (J12-J18)	292	161	106	7.3	5.1	17.5
Acute bronchitis and acute bronchiolitis (J20-J21)	49	30	15	1.2	0.9	*
Bronchitis, chronic and unspecified (J40-J42)	21	11	10	0.5	*	*
Asthma (J45-J46)	10	5	4	*	*	*
Pneumonitis due to solids and liquids (J69)	12	9	3	*	*	*
Other and unspecified diseases of respiratory system (J22,J30-J39,J43-J44,J47-J68,J70-J98)	296	158	117	7.4	5.0	19.3
Diseases of the digestive system (K00-K92)	478	274	186	11.9	8.6	30.7
Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)	246	126	114	6.1	4.0	18.8
Hernia of abdominal cavity and intestinal obstruction without hernia (K40-K46,K56)	62	44	17	1.5	1.4	*
All other and unspecified diseases of digestive system (K00-K28,K30-K38,K57-K92)	170	104	55	4.2	3.3	9.1
Diseases of the genitourinary system (N00-N95)	157	94	60	3.9	3.0	9.9
Renal failure and other disorders of kidney (N17-N19,N25,N27)	125	70	53	3.1	2.2	8.7
Other and unspecified diseases of genitourinary system (N00-N15,N20-N23,N26,N28-N95)	32	24	7	0.8	0.8	*
Certain conditions originating in the perinatal period (P00-P96)	13,734	8,444	4,808	341.1	265.7	793.2
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)	2,832	1,806	930	70.3	56.8	153.4
Newborn affected by maternal hypertensive disorders (P00.0)	60	31	28	1.5	1.0	4.6

See footnotes at end of table.

Table 32. Number of infant deaths and infant mortality rates for 130 selected causes by race: United States, 2001 - Con.

[Rates are infant deaths (under 1 year) per 100,000 live births in specified group. Infant deaths based on race of decedent; live births based on race of mother]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Number			Rate		
	All races [1]	White	Black	All races [1]	White	Black
Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)	70	41	24	1.7	1.3	4.0
Newborn affected by maternal complications of pregnancy (P01)	1,499	915	537	37.2	28.8	88.6
Newborn affected by incompetent cervix (P01.0)	403	223	166	10.0	7.0	27.4
Newborn affected by premature rupture of membranes (P01.1)	663	393	244	16.5	12.4	40.3
Newborn affected by multiple pregnancy (P01.5)	270	183	85	6.7	5.8	14.0
Newborn affected by other maternal complications of pregnancy (P01.2-P01.4,P01.6-P01.9)	163	116	42	4.0	3.7	6.9
Newborn affected by complications of placenta, cord and membranes (P02)	1,018	690	294	25.3	21.7	48.5
Newborn affected by complications involving placenta (P02.0-P02.3)	520	397	106	12.9	12.5	17.5
Newborn affected by complications involving cord (P02.4-P02.6)	51	36	12	1.3	1.1	*
Newborn affected by chorioamnionitis (P02.7)	447	257	176	11.1	8.1	29.0
Newborn affected by other and unspecified abnormalities of membranes (P02.8-P02.9)	-	-	-	*	*	*
Newborn affected by other complications of labor and delivery (P03)	148	110	29	3.7	3.5	4.8
Newborn affected by noxious influences transmitted via placenta or breast milk (P04)	37	19	18	0.9	*	*
Disorders related to length of gestation and fetal malnutrition (P05-P08)	4,473	2,492	1,854	111.1	78.4	305.9
Slow fetal growth and fetal malnutrition (P05)	63	41	19	1.6	1.3	*
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	4,410	2,451	1,835	109.5	77.1	302.7
Extremely low birth weight or extreme immaturity (P07.0,P07.2)	3,316	1,813	1,411	82.4	57.1	232.8
Other low birth weight or preterm (P07.1,P07.3)	1,094	638	424	27.2	20.1	69.9
Disorders related to long gestation and high birth weight (P08)	-	-	-	*	*	*
Birth trauma (P10-P15)	145	95	45	3.6	3.0	7.4
Intrauterine hypoxia and birth asphyxia (P20-P21)	534	385	129	13.3	12.1	21.3
Intrauterine hypoxia (P20)	120	82	33	3.0	2.6	5.4
Birth asphyxia (P21)	414	303	96	10.3	9.5	15.8
Respiratory distress of newborn (P22)	1,011	630	353	25.1	19.8	58.2
Other respiratory conditions originating in the perinatal period (P23-P28)	1,503	941	511	37.3	29.6	84.3
Congenital pneumonia (P23)	72	39	32	1.8	1.2	5.3
Neonatal aspiration syndromes (P24)	71	46	23	1.8	1.4	3.8
Interstitial emphysema and related conditions originating in the perinatal period (P25)	204	142	56	5.1	4.5	9.2
Pulmonary hemorrhage originating in the perinatal period (P26)	279	157	109	6.9	4.9	18.0
Chronic respiratory disease originating in the perinatal period (P27)	310	172	130	7.7	5.4	21.4
Atelectasis (P28.0-P28.1)	501	341	143	12.4	10.7	23.6
All other respiratory conditions originating in the perinatal period (P28.2-P28.9)	66	44	18	1.6	1.4	*
Infections specific to the perinatal period (P35-P39)	869	552	280	21.6	17.4	46.2
Bacterial sepsis of newborn (P36)	696	444	226	17.3	14.0	37.3
Omphalitis of newborn with or without mild hemorrhage (P38)	3	3	-	*	*	*
All other infections specific to the perinatal period (P35,P37,P39)	170	105	54	4.2	3.3	8.9
Hemorrhagic and hematological disorders of newborn (P50-P61)	600	435	143	14.9	13.7	23.6
Neonatal hemorrhage (P50-P52,P54)	453	332	103	11.3	10.4	17.0
Hemorrhagic disease of newborn (P53)	-	-	-	*	*	*
Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice (P55-P59)	14	11	3	*	*	*
Hematological disorders (P60-P61)	133	92	37	3.3	2.9	6.1
Syndrome of infant of a diabetic mother and neonatal diabetes mellitus (P70.0-P70.2)	7	2	4	*	*	*
Necrotizing enterocolitis of newborn (P77)	380	217	140	9.4	6.8	23.1
Hydrops fetalis not due to hemolytic disease (P83.2)	166	141	16	4.1	4.4	*
Other perinatal conditions (P29,P70.3-P70.9,P71-P76,P78-P81,P83.0-P83.1,P83.3-P83.9,P90-P96)	1,214	748	403	30.2	23.5	66.5
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	5,513	4,247	1,032	136.9	133.7	170.3
Anencephaly and similar malformations (Q00)	263	218	34	6.5	6.9	5.6
Congenital hydrocephalus (Q03)	105	83	21	2.6	2.6	3.5
Spina bifida (Q05)	19	15	3	*	*	*
Other congenital malformations of nervous system (Q01-Q02,Q04,Q06-Q07)	286	220	52	7.1	6.9	8.6
Congenital malformations of heart (Q20-Q24)	1,556	1,175	311	38.6	37.0	51.3
Other congenital malformations of circulatory system (Q25-Q28)	192	144	39	4.8	4.5	6.4
Congenital malformations of respiratory system (Q30-Q34)	594	446	127	14.8	14.0	21.0
Congenital malformations of digestive system (Q35-Q45)	106	81	18	2.6	2.5	*
Congenital malformations of genitourinary system (Q50-Q64)	356	281	63	8.8	8.8	10.4
Congenital malformations and deformations of musculoskeletal system, limbs and integument (Q65-Q85)	477	362	94	11.8	11.4	15.5
Down's syndrome (Q90)	119	96	15	3.0	3.0	*
Edward's syndrome (Q91.0-Q91.3)	446	356	75	11.1	11.2	12.4
Patau's syndrome (Q91.4-Q91.7)	276	223	44	6.9	7.0	7.3
Other congenital malformations and deformations (Q10-Q18,Q86-Q89)	526	407	98	13.1	12.8	16.2
Other chromosomal abnormalities, not elsewhere classified (Q92-Q99)	192	140	38	4.8	4.4	6.3
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	3,491	2,231	1,104	86.7	70.2	182.1
Sudden infant death syndrome (R95)	2,234	1,406	745	55.5	44.2	122.9
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53,R55-R94,R96-R99)	1,257	825	359	31.2	26.0	59.2
All other diseases (Residual)	19	13	5	*	*	*
External causes of mortality (*U01,V01-Y84) [2]	1,417	905	449	35.2	28.5	74.1
Accidents (unintentional injuries) (V01-X59)	976	647	281	24.2	20.4	46.4
Transport accidents (V01-V99)	151	115	19	3.8	3.6	*
Motor vehicle accidents (V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1,V82.0-V82.1, V83-V86,V87.0-V87.8,V88.0-V88.8,V89.0,V89.2)	144	109	19	3.6	3.4	*

See footnotes at end of table.

Table 32. Number of infant deaths and infant mortality rates for 130 selected causes by race: United States, 2001 - Con.

[Rates are infant deaths (under 1 year) per 100,000 live births in specified group. Infant deaths based on race of decedent; live births based on race of mother]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Number			Rate		
	All races [1]	White	Black	All races [1]	White	Black
Other and unspecified transport accidents (V01,V05-V06,V09.1,V09.3-V09.9,V10-V11,V15-V18,V19.3,V19.8-V19.9, V80.0-V80.2,V80.6-V80.9,V81.2-V81.9,V82.2-V82.9,V87.9, V88.9,V89.1,V89.3,V89.9,V90-V99)	7	6	-	*	*	*
Falls (W00-W19)	23	15	6	0.6	*	*
Accidental discharge of firearms (W32-W34)	-	-	-	*	*	*
Accidental drowning and submersion (W65-W74)	68	52	12	1.7	1.6	*
Accidental suffocation and strangulation in bed (W75)	390	250	128	9.7	7.9	21.1
Other accidental suffocation and strangulation (W76-W77,W81-W84)	162	91	63	4.0	2.9	10.4
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)	62	41	20	1.5	1.3	3.3
Accidents caused by exposure to smoke, fire and flames (X00-X09)	50	34	15	1.2	1.1	*
Accidental poisoning and exposure to noxious substances (X40-X49)	15	9	6	*	*	*
Other and unspecified accidents (W20-W31,W35-W64,W85-W99,X10-X39,X50-X59)	55	40	12	1.4	1.3	*
Assault (homicide) (*U01,X85-Y09) [2]	332	196	123	8.2	6.2	20.3
Assault (homicide) by hanging, strangulation and suffocation (X91)	40	23	16	1.0	0.7	*
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	11	8	2	*	*	*
Neglect, abandonment and other maltreatment syndromes (Y06-Y07)	116	69	43	2.9	2.2	7.1
Assault (homicide) by other and unspecified means (*U01.0-*U01.3,*U01.5-*U01.9,X85-X90,X92,X96-X99,Y00-Y05,Y08-Y09) [2]	165	96	62	4.1	3.0	10.2
Complications of medical and surgical care (Y40-Y84)	26	17	9	0.6	*	*
Other external causes (X60-X84,Y10-Y36)	83	45	36	2.1	1.4	5.9

* Figure does not meet standards of reliability or precision; see Technical Notes.
\- Quantity zero.
1 Includes races other than white and black.
2 Figures include September 11, 2001 related deaths for which death certificates were filed as of 10/24/02; see Technical Notes and Table D.

Note: Complete confirmation of deaths from selected causes of death, considered to be of public health concern, were not provided by the District of Columbia and the following States -- California, Illinois, Indiana, Kansas, Kentucky, Maine, Minnesota, Montana, New Jersey, New York, North Dakota, Ohio, Oklahoma, Pennsylvania, and Rhode Island; see Technical Notes.

Table 33. Number of infant and neonatal deaths and mortality rates, by race for the United States, each State, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, and by sex for the United States, 2001

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

Sex and area	Infant deaths						Neonatal deaths					
	All races[1]		White		Black		All races[1]		White		Black	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
United States[2]	27,568	6.8	17,955	5.7	8,498	14.0	18,265	4.5	12,013	3.8	5,585	9.2
Male	15,477	7.5	10,099	6.2	4,764	15.5	10,237	5.0	6,750	4.2	3,125	10.2
Female	12,091	6.1	7,856	5.1	3,734	12.5	8,028	4.1	5,263	3.4	2,460	8.2
Alabama	567	9.4	276	6.8	290	15.1	355	5.9	171	4.2	184	9.6
Alaska	81	8.1	37	5.8	4	*	38	3.8	24	3.8	2	*
Arizona	592	6.9	458	6.1	63	22.8	389	4.5	317	4.2	42	15.2
Arkansas	309	8.3	196	6.8	108	14.5	173	4.7	105	3.6	66	8.9
California	2,830	5.4	2,131	5.0	435	12.9	1,896	3.6	1,438	3.4	295	8.7
Colorado	388	5.8	336	5.5	38	12.8	288	4.3	251	4.1	29	9.8
Connecticut	260	6.1	167	4.7	87	16.9	195	4.6	127	3.6	63	12.3
Delaware	115	10.7	61	8.0	54	19.9	82	7.6	44	5.7	38	14.0
District of Columbia	81	10.6	7	*	73	15.0	59	7.7	5	*	53	10.9
Florida	1,495	7.3	844	5.5	635	13.5	981	4.8	544	3.6	426	9.0
Georgia	1,146	8.6	535	6.2	583	13.3	780	5.8	357	4.2	400	9.1
Hawaii	106	6.2	23	6.0	4	*	68	4.0	17	*	4	*
Idaho	129	6.2	125	6.3	1	*	84	4.1	82	4.1	1	*
Illinois	1,413	7.7	854	6.0	515	15.5	954	5.2	607	4.3	315	9.5
Indiana	650	7.5	515	6.8	132	13.7	407	4.7	325	4.3	80	8.3
Iowa	212	5.6	195	5.5	14	*	130	3.5	117	3.3	13	*
Kansas	287	7.4	225	6.5	57	20.5	181	4.7	144	4.2	34	12.2
Kentucky	325	5.9	275	5.6	48	9.7	196	3.6	169	3.5	26	5.3
Louisiana	643	9.8	239	6.5	390	14.4	417	6.4	151	4.1	256	9.5
Maine	84	6.1	76	5.7	6	*	65	4.7	59	4.4	6	*
Maryland	594	8.1	248	5.5	333	13.7	439	6.0	191	4.2	237	9.8
Massachusetts	405	5.0	312	4.6	79	9.6	308	3.8	240	3.5	59	7.2
Michigan	1,069	8.0	646	6.1	401	17.0	731	5.5	447	4.2	268	11.3
Minnesota	361	5.3	281	4.8	46	9.6	236	3.5	190	3.3	23	4.8
Mississippi	445	10.5	160	7.0	280	14.9	278	6.6	97	4.3	180	9.6
Missouri	558	7.4	371	5.9	184	16.5	370	4.9	241	3.9	126	11.3
Montana	74	6.7	63	6.7	-	*	48	4.4	43	4.6	-	*
Nebraska	168	6.8	144	6.4	14	*	119	4.8	106	4.7	8	*
Nevada	180	5.7	133	5.1	43	17.1	93	3.0	69	2.6	24	9.5
New Hampshire	56	3.8	53	3.8	-	*	38	2.6	35	2.5	-	*
New Jersey	747	6.5	430	5.1	293	14.2	501	4.3	303	3.6	187	9.1
New Mexico	174	6.4	143	6.3	7	*	107	3.9	92	4.0	4	*
New York	1,482	5.8	926	5.1	507	9.7	1,028	4.0	664	3.6	337	6.5
North Carolina	1,009	8.5	522	6.1	449	15.8	703	5.9	352	4.1	320	11.3
North Dakota	67	8.8	53	8.0	1	*	44	5.8	35	5.3	1	*
Ohio	1,161	7.7	773	6.2	377	16.4	760	5.0	516	4.1	237	10.3
Oklahoma	366	7.3	254	6.5	69	15.0	205	4.1	146	3.7	34	7.4
Oregon	246	5.4	228	5.5	8	*	157	3.5	147	3.6	2	*
Pennsylvania	1,033	7.2	725	6.1	291	14.4	728	5.1	531	4.5	186	9.2
Rhode Island	86	6.8	67	6.1	12	*	70	5.5	54	4.9	10	*
South Carolina	496	8.9	210	5.9	284	15.0	337	6.0	137	3.8	199	10.5
South Dakota	78	7.4	52	6.1	1	*	37	3.5	27	3.2	1	*
Tennessee	681	8.7	403	6.7	269	16.2	437	5.6	255	4.2	176	10.6
Texas	2,171	5.9	1,637	5.2	491	12.0	1,345	3.7	1,020	3.3	292	7.2
Utah	232	4.8	222	4.9	3	*	149	3.1	146	3.2	1	*
Vermont	35	5.5	35	5.6	-	*	23	3.6	23	3.7	-	*
Virginia	747	7.6	380	5.4	351	15.8	486	4.9	236	3.3	238	10.7
Washington	459	5.8	383	5.7	43	12.9	292	3.7	245	3.6	27	8.1
West Virginia	148	7.2	140	7.2	8	*	110	5.4	102	5.2	8	*
Wisconsin	491	7.1	352	5.9	117	17.8	324	4.7	245	4.1	67	10.2
Wyoming	36	5.9	34	5.9	-	*	24	3.9	24	4.2	-	*
Puerto Rico	517	9.3	506	9.9	11	*	394	7.1	385	7.5	9	*
Virgin Islands	13	*	3	*	10	*	11	*	2	*	9	*
Guam	35	9.8	1	*	-	*	25	7.0	1	*	-	*
American Samoa	14	*	-	*	-	*	8	*	-	*	-	*
Northern Marianas	11	*	-	*	-	*	9	*	-	*	-	*

* Figure does not meet standards of reliability or precision; see Technical Notes.
\- Quantity zero.
1 Includes races other than white and black.
2 Excludes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas.

Table 34. Number of maternal deaths and maternal mortality rates for selected causes by race: United States, 2001

[Maternal causes are those assigned to categories A34,O00-O95,O98-O99 of the Tenth Revision, International Classification of Diseases, 1992. Rates per 100,000 live births in specified group; see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Number				Rate			
	All races	White	All other		All races	White	All other	
			Total	Black			Total	Black
Maternal causes (A34,O00-O95,O98-O99)	399	228	171	150	9.9	7.2	20.2	24.7
Pregnancy with abortive outcome (O00-O07)	38	20	18	16	0.9	0.6	*	*
Ectopic pregnancy (O00)	23	11	12	10	0.6	*	*	*
Spontaneous abortion (O03)	7	5	2	2	*	*	*	*
Medical abortion (O04)	1	1	-	-	*	*	*	*
Other abortion (O05)	-	-	-	-	*	*	*	*
Other and unspecified pregnancy with abortive outcome (O01-O02,O06-O07)	7	3	4	4	*	*	*	*
Other direct obstetric causes (A34,O10-O92)	309	179	130	114	7.7	5.6	15.3	18.8
Eclampsia and pre-eclampsia (O11,O13-O16)	72	43	29	26	1.8	1.4	3.4	4.3
Hemorrhage of pregnancy and childbirth and placenta previa (O20,O44-O46,O67,O72)	44	26	18	15	1.1	0.8	*	*
Complications predominantly related to the puerperium (A34,O85-O92)	101	55	46	39	2.5	1.7	5.4	6.4
Obstetrical tetanus (A34)	-	-	-	-	*	*	*	*
Obstetric embolism (O88)	69	39	30	24	1.7	1.2	3.5	4.0
Other complications predominantly related to the puerperium (O85-O87,O89-O92)	32	16	16	15	0.8	*	*	*
All other direct obstetric causes (O10,O12,O21-O43,O47-O66,O68-O71,O73-O75)	92	55	37	34	2.3	1.7	4.4	5.6
Obstetric death of unspecifed cause (O95)	1	1	-	-	*	*	*	*
Indirect obstetric causes (O98-O99)	51	28	23	20	1.3	0.9	2.7	3.3
Maternal causes more than 42 days after delivery or termination of pregnancy (O96-O97)	17	7	10	8	*	*	*	*
Death from any obstetric cause occurring more than 42 days but less than one year after delivery (O96)	9	4	5	4	*	*	*	*
Death from sequelae of direct obstetric causes (O97)	8	3	5	4	*	*	*	*

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

Table 35. Number of maternal deaths and maternal mortality rates for selected causes, by Hispanic origin and race for non-Hispanic population: United States, 2001

[Maternal causes are those assigned to categories A34,O00-O95,O98-O99 of the Tenth Revision, International Classification of Diseases, 1992. Rates per 100,000 live births in specified group; 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 on censuses and surveys; see Technical Notes]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Number					Rate				
	All origins[1]	Hispanic	Non-Hispanic[2]	Non-Hispanic White	Non-Hispanic Black	All origins[1]	Hispanic	Non-Hispanic[2]	Non-Hispanic White	Non-Hispanic Black
Maternal causes (A34,O00-O95,O98-O99)	399	81	317	151	146	9.9	9.5	10.1	6.5	24.7
Pregnancy with abortive outcome (O00-O07)	38	1	37	19	16	0.9	*	1.2	*	*
Ectopic pregnancy (O00)	23	1	22	10	10	0.6	*	0.7	*	*
Spontaneous abortion (O03)	7	-	7	5	2	*	*	*	*	*
Medical abortion (O04)	1	-	1	1	-	*	*	*	*	*
Other abortion (O05)	-	-	-	-	-	*	*	*	*	*
Other and unspecified pregnancy with abortive outcome (O01-O02,O06-O07)	7	-	7	3	4	*	*	*	*	*
Other direct obstetric causes (A34,O10-O92)	309	75	233	108	110	7.7	8.8	7.4	4.6	18.6
Eclampsia and pre-eclampsia (O11,O13-O16)	72	25	47	18	26	1.8	2.9	1.5	*	4.4
Hemorrhage of pregnancy and childbirth and placenta previa (O20,O44-O46,O67,O72)	44	10	33	17	13	1.1	*	1.0	*	*
Complications predominantly related to the puerperium (A34,O85-O92)	101	17	84	40	38	2.5	*	2.7	1.7	6.4
Obstetrical tetanus (A34)	-	-	-	-	-	*	*	*	*	*
Obstetric embolism (O88)	69	13	56	28	23	1.7	*	1.8	1.2	3.9
Other complications predominantly related to the puerperium (O85-O87,O89-O92)	32	4	28	12	15	0.8	*	0.9	*	*
All other direct obstetric causes (O10,O12,O21-O43,O47-O66,O68-O71,O73-O75)	92	23	69	33	33	2.3	2.7	2.2	1.4	5.6
Obstetric death of unspecifed cause (O95)	1	1	-	-	-	*	*	*	*	*
Indirect obstetric causes (O98-O99)	51	4	47	24	20	1.3	*	1.5	1.0	3.4
Maternal causes more than 42 days after delivery or termination of pregnancy (O96-O97)	17	2	15	5	8	*	*	*	*	*
Death from any obstetric cause occurring more than 42 days but less than one year after delivery (O96)	9	1	8	3	4	*	*	*	*	*
Death from sequelae of direct obstetric causes (O97)	8	1	7	2	4	*	*	*	*	*

* Figure does not meet standards of reliability or precision; see Technical Notes.
\- Quantity zero.
[1] All origins includes origin not stated; specified origins exclude origin not stated.
[2] Includes races other than white and black.

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 and are processed by the Centers for Disease Control and Prevention's National Center for Health Statistics (NCHS). Data for 2001 are based on records of deaths that occurred during 2001 and were received as of October 24, 2002. The U.S. Standard Certificate of Death—which is used as a model by the States—was last revised in 1989; for additional details see the 1989 revision of the U.S. standard certificates and reports (28) and Technical Appendix of *Vital Statistics of the United States, 1989*, Volume II, Mortality, part A (29). Data for Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Northern Marianas are included in tables showing data by State, but are not included in U.S. totals.

Mortality statistics are based on information coded by the States and provided to the NCHS through the Vital Statistics Cooperative Program (VSCP) and from copies of the original certificates received by NCHS from the State registration offices. In 2001 all the States and the District of Columbia participated in this program and submitted part or all of the mortality data for 2001 in electronic data files to NCHS. All States provided precoded medical (cause-of-death) data to NCHS except Illinois, Kentucky, New Jersey, Ohio, and West Virginia, and the District of Columbia. For 2001 all States submitted precoded demographic data for all deaths.

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

Mortality statistics for Puerto Rico, Virgin Islands, American Samoa, and Northern Marianas exclude deaths of nonresidents of Puerto Rico, Virgin Islands, American Samoa, and Northern Marianas, respectively. For Guam, however, mortality statistics exclude deaths that occurred to a resident of any place other than Guam or the United States.

Cause-of-death classification

The mortality statistics presented in this report were compiled in accordance with World Health Organization (WHO) regulations, which specify that member nations classify and code causes of death in accordance with the current revision of the *International Classification of Diseases* (ICD). The ICD provides the basic guidance used in virtually all countries to code and classify causes of death. Effective with deaths occurring in 1999, the United States began using the Tenth Revision of this classification (ICD–10) (7). For earlier years causes of death were classified according to the revisions then in use—1979–98, Ninth Revision; 1968–78, Eighth Revision, adapted for use in the United States; 1958–67, Seventh Revision; and 1949–57, Sixth Revision.

Changes in classification of causes of death due to these revisions may result in discontinuities in cause-of-death trends. Consequently, cause-of-death comparisons among revisions require consideration of comparability ratios and, where available, estimates of their standard errors. Comparability ratios between the Ninth and Tenth Revisions, 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 (20,30–32).

The ICD not only details disease classification but also provides definitions, tabulation lists, the format of the death certificate, and the rules for 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* (33,34). The manual includes rules for selecting the underlying cause of death for tabulation purposes, definitions, tabulation lists, and regulations on the use of the ICD.

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) (35), multiple cause codes serve as inputs to the computer software that employs WHO rules to select the underlying cause. All cause-of-death data in this report are coded 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) (36,37) 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 ICD code structure. Then, beginning with data year 1993, SuperMICAR, an enhancement of the MICAR system, was introduced. SuperMICAR allows for literal entry of the multiple cause-of-death text as reported by the certifier. This information is then automatically processed by the MICAR and ACME computer systems. Records that cannot be automatically processed by MICAR or SuperMICAR are manually multiple-cause coded and then further processed through ACME.

For 2001 approximately 61 percent of the Nation's death records were multiple-cause coded using SuperMICAR and 39 percent using MICAR only. This represents data from 37 States, New York City, and the District of Columbia that were coded by SuperMICAR and data from 13 States 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 which initiated the train of events leading directly to death, or the circumstances of the accident or violence which produced the fatal injury" (7). It is selected from the conditions entered by the physician in the cause-of-death section of the death certificate. When more than one cause or condition is entered by the physician, the underlying cause is determined by the sequence of conditions on the certificate, provisions of the ICD, and associated selection rules and modifications. Generally, more medical information is reported on death certificates than is directly reflected in the underlying cause of death. This is captured in NCHS multiple cause-of-death statistics (38–40).

Tabulation lists and cause-of-death ranking

Tabulation lists for ICD–10 are published in the *NCHS Instruction Manual*, Part 9, ICD–10 Cause-of-Death Lists for Tabulating

Mortality Statistics (Updated October 2003) (41). For this report, two tabulation lists are used, namely, the List of 113 Selected Causes of Death used for deaths of all ages, and the List of 130 Selected Causes of Infant Death used for infants. These lists are also used to rank leading causes of death for the two population groups. For the List of 113 Selected Causes of Death, the group titles Major cardiovascular diseases (ICD–10 codes I00–I78) and Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (ICD–10 codes R00–R99) are not ranked. 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 (ICD–10 codes A16–A19)), its component parts are not ranked (in this case, Respiratory tuberculosis (ICD–10 code A16) and Other tuberculosis (ICD–10 codes A17–A19)). For the List of 130 Selected Causes of Infant Death, the same ranking procedures are used, except that the category Major cardiovascular diseases is not in the list. More detail regarding ranking procedures can be found in "Deaths: Leading Causes for 2001" (3).

Leading cause-of-death trends, discussed in this report, are based on cause-of-death data according to ICD–10 for 1999–2001, and on data for the most comparable ICD–9 cause-of-death titles for 1979–1998. Tables showing ICD–9 categories that are comparable to the ICD–10 titles in the list of 113 selected causes of death may be found in "Comparability of Cause of Death Between ICD–9 and ICD–10: Preliminary Estimates" (20) and "Deaths: Final Data for 1999" (21). Although in some cases categories from the list of 113 selected causes are identical to those in the old list of 72 selected causes of death used with ICD–9, it is important to note that many of these categories are not comparable with categories in the list of 72 selected causes even though the cause-of-death titles may be the same.

Trend data for 1978–1999 that is classified by ICD–9 but is sorted into the list of 113 selected causes of death developed for ICD–10 can be found on the mortality Web site at http://www.cdc.gov/nchs/data/statab/hist001r.pdf.

Revision of the ICD and resulting changes in classification and rules for selecting the underlying cause of death have important implications for the analysis of mortality trends by cause of death. For some causes of death the discontinuity in trend can be substantial (20). Therefore, considerable caution should be used in analyzing cause-of-death trends for periods of time that extend across more than one revision of the ICD.

Codes for terrorism

Beginning with data for 2001, NCHS introduced categories *U01–*U03 for classifying and coding deaths due to acts of terrorism. The asterisks before the category codes indicate that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD–10). Deaths classified to the terrorism categories are included in the categories for Assault (homicide) and Intentional self-harm (suicide) in the 113 cause-of-death list and in the category for Assault (homicide) in the 130 cause-of-death list for infants. Additional information on these new categories can be found at http://www.cdc.gov/nchs/about/otheract/icd9/terrorism_code.htm.

Race and Hispanic origin

Race and Hispanic origin are reported separately on the death certificate. Therefore, data shown by race include persons of Hispanic and non-Hispanic origin, and data for Hispanic origin include persons of any race. In this report, unless otherwise specified, deaths of Hispanic origin are included in the totals for each race group—white, black, American Indian, and Asian or Pacific Islander (API)—according to the decedent's race as reported on the death certificate. Data shown for Hispanic persons include all persons of Hispanic origin of any race.

Mortality data for the Hispanic-origin population are based on deaths to residents of all 50 States and the District of Columbia. Data year 1997 was the first year that mortality data for the Hispanic population were available for the entire United States.

Quality of race and Hispanic origin data—Death rates for Hispanic, American Indian, and API persons should be interpreted with caution because of inconsistencies in reporting Hispanic origin or race on the death certificate as compared with race on censuses, surveys, and birth certificates. Studies have shown underreporting on death certificates of American Indians, API, and Hispanic decedents and undercounts of these groups in the censuses (16,42).

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 ensure unbiased death rates by race.

Studies (42,43) show that a person self-reported as American Indian or Asian on census or survey records was sometimes reported as white on the death certificate. The net effect of misclassification is an underestimation of deaths and death rates for races other than white and black. In addition, undercoverage of minority groups in the census and resultant population estimates introduces biases into death rates by race (6,16,44). Estimates of the approximate effect of the combined bias due to race misclassification on death certificates and underenumeration on the 1990 census are as follows: white, –1.0 percent; black, –5.0; American Indian, +20.6; API, +10.7 (16).

The National Longitudinal Mortality Study (NLMS) examined the reliability of Hispanic origin reported on 43,520 death certificates with that reported on a total of 12 CPSs conducted by the U.S. Bureau of the Census for the years 1979–85 (16). In this study, agreement—on a record-by-record basis—was 89.7 percent for any report of Hispanic origin. The ratio of deaths for CPS divided by deaths for death certificate was 1.07 indicating net underreporting of Hispanic origin on death certificates by 7 percent as compared with self-reports on the surveys. Death rates for the Hispanic-origin population are also affected by undercoverage of this population group in the census and resultant population estimates; the estimated net correction, taking into account both sources of bias, is 1.6 percent (16,44).

Other races and race not stated—Beginning in 1992 all records coded as "Other races" (0.03 percent of the total deaths in 2001) 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 1989–2001, 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 (45,46). To improve continuity and ease of interpretation, trend data by race in this report have been re-tabulated 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 (45,46).

Infant mortality rates for the Hispanic-origin population are based on numbers of resident infant deaths reported to be of Hispanic origin and numbers of resident live births by Hispanic origin of mother for the United States. In computing infant mortality rates, deaths and live births of unknown origin are not distributed among the specified Hispanic and non-Hispanic groups. In 2001 the percent of infant deaths of unknown origin was 0.9 and the percent of live births to mothers of unknown origin was 0.6 for the United States.

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 error when based on linked files of infant deaths and live births (27).

Infant mortality rates calculated from the general mortality file for specified race and/or Hispanic origin are in error because of reporting problems that affect the classification of race and Hispanic origin on the birth and death certificates for the same infant. Infant mortality rates by specified race and Hispanic origin are more accurate when based on the linked file of infant deaths and live births (27). The linked file computes infant mortality rates using the race and/or Hispanic origin of the mother from the birth certificate in both the numerator and denominator of the rate. In addition, mother's race and/or Hispanic origin from the birth certificate is considered to be more accurately reported than infant's race and/or Hispanic origin from the death certificate because, on the birth certificate, race is generally reported by the mother at the time of delivery whereas, on the death certificate, infant's race and/or Hispanic origin is reported by an informant, usually the mother but sometimes by the funeral director. Estimates of reporting errors 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 (16,27).

Life tables

The life table provides a comprehensive measure of the effect of mortality on life expectancy. It is composed of sets of values showing the mortality experience of a hypothetical group of infants born at the same time and subject throughout their lifetime to the age-specific death rates of a particular time period, usually a given year. Beginning with final data reported for 1997, the life table methodology was changed from previous annual reports. Previously, U.S. life tables were abridged and constructed by reference to a standard table (47). In addition, the age range for these life tables was limited to 5-year age groups ending with the age group 85 years and over.

Beginning with 1997 mortality data, a revised life table methodology was used to construct complete life tables by single years of age that extend to age 100 (48) using a methodology similar to that of the decennial life tables (49). The advantages of the new over the previous methodology are its comparability with decennial life table methodology, greater accuracy, and greater age detail. A comparison of the two methods shows small differences in resulting values for life expectancy (48). Although the new method produces complete life tables, that is, life tables by single years of age, life table data shown in this report are summarized in 5-year age groupings. To calculate the probability of dying at each age, the revised methodology uses vital statistics death rates for ages under 85 years and mortality data from the Medicare program for ages over 85 years. Medicare data were used to model the probability of dying at ages 85 and over because the data are shown to be significantly more reliable than vital statistics data at the oldest ages (50).

The life tables presented in this report use a slight modification of the new life table method introduced in 1997 as a result of a change in the age detail of populations received from the U.S. Census Bureau. Populations for 2000 and 2001 were provided by single year of age up to age 84, followed by "85 years and over," and as a result it was not possible to apply the same smoothing technique that has been used when population figures in single years of age up to ages "100 years and over" were available. Accordingly, Medicare data were used to estimate the probability of dying by single year of age for ages 85 to "100 years and over."

Revised life expectancies were not computed for 1991–99 because revised intercensal populations, consistent with the 2000 census, were not available by single years of age up to "100 years and over" for the 1990s as of the printing of this report.

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 (17,51).

Injury mortality by mechanism and intent

Injury mortality data are presented using an alternative framework in table 18. In this framework, causes of injury deaths are organized principally by mechanism (e.g., firearm or poisoning), and secondarily by manner, or intent of death (e.g., unintentional, suicide, homicide, etc.).

In addition, the number of deaths for selected causes in this framework may differ from those shown in tables that use the standard mortality tabulation lists. Following WHO conventions, standard mortality tabulations (table 10) present external causes of death (ICD–10 codes *U01–*U03, V01–Y89). In contrast, the alternative framework (table 18) excludes deaths classified to Complications of medical and surgical care (ICD–10 codes Y40–Y84, Y88). For additional information on injury data presented in this framework, see http://www.cdc.gov/nchs/about/otheract/ice/matrix10.htm and "Deaths: Injuries, 2001" (4).

Codes for firearm deaths

Causes of death attributable to firearm mortality include ICD–10 codes *U01.4, Terrorism involving firearms (homicide); W32–W34, Accidental discharge of firearms; X72–X74, Intentional self-harm (suicide) by discharge of firearms; X93–X95, Assault (homicide) by discharge of firearms; Y22–Y24, Discharge of firearms, undetermined intent; and Y35.0, Legal intervention involving firearm discharge. Deaths from injury by firearms exclude deaths due to explosives and other causes indirectly related to firearms.

Codes for drug-induced deaths

Causes of death attributable to drug-induced mortality include selected codes from the ICD–10 title Mental and behavioral disorders due to psychoactive substance use, specifically, ICD–10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, and F19.7–F19.9; Accidental poisoning by and exposure to drugs, medicaments and biological substances, X40–X44; Intentional self-poisoning (suicide) by and exposure to drugs, medicaments and biological substances, X60–X64; Assault (homicide) by drugs, medicaments and biological substances, X85; and Poisoning by and exposure to drugs, medicaments and biological substances, undetermined intent, Y10–Y14. 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–10 codes F10, Mental and behavioral disorders due to alcohol use; G31.2, Degeneration of nervous system due to alcohol; G62.1, Alcoholic polyneuropathy; I42.6, Alcoholic cardiomyopathy; K29.2, Alcoholic gastritis; K70, Alcoholic liver disease; R78.0, Finding of alcohol in blood; X45, Accidental poisoning by and exposure to alcohol; X65, Intentional self-poisoning by and exposure to alcohol; and Y15, Poisoning by and exposure to alcohol, undetermined intent. 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.

Marital status

Age-specific and age-adjusted death rates by marital status are shown in table 25 by race and in table 26 by Hispanic origin. 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 (43). 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 for the widowed population. Also, the age groups 75–84 and 85 years and over are combined due to high variability in death rates in the 85 year and over age group, particularly for the never-married population.

Educational attainment

Beginning with the 1989 data year, an item indicating decedent's educational attainment was added to the certificates of numerous States. Mortality data on educational attainment for 2001 are based on deaths to residents of the 47 States and the District of Columbia whose data were approximately 80 percent or more complete on a place-of-occurrence basis. Data for Georgia, Rhode Island, and South Dakota were excluded because the item was not on their certificates.

Age-specific and age-adjusted death rates by educational attainment are shown in table 27. 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 (52).

Rates by educational attainment are affected by differences in measurement of education for the numerator and the denominator. The numerator is based on number of years of education completed as reported on the death certificate whereas the denominator is based on highest degree completed as reported on census surveys (53).

Injury at work

Information on deaths attributed to injuries 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 death rates, and age-adjusted death rates for injury at work are shown in tables 28 and 29. Deaths, crude death rates, and age-adjusted death rates for injury at work are shown for ages 15 years and over. Age-adjusted death rates for injury at work were computed using age-specific death rates and the U.S. standard population based on year 2000 standard for ages 15 years and over. See section on "Computing rates." Figures presented in this report include deaths from the September 11, 2001, terrorist attacks for which death certificates indicated the death occurred at work and were filed as of 10/24/02. For further information on the September 11, 2001, terrorism-related deaths, see section entitled "Quality of reporting and processing cause of death."

Infant mortality

Infant mortality rates are the most commonly used index for measuring the risk of dying during the first year of life. The rates presented in this report 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. For final birth figures used in the denominator for infant mortality rates, see "Births: Final Data for 2001" (54). 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 in this report are calculated by dividing the number of infant deaths by the July 1, 2001, population estimate of persons under 1 year of age, based on 2000 census populations. These rates 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

Maternal mortality rates are also 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.

"Maternal deaths" are defined by the WHO as "the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes" (7). Included in these deaths are ICD–10 codes A34, O00–O95, and O98–O99.

Some State death certificates include a separate question regarding pregnancy status. A positive response to the question is interpreted as if "pregnant" was reported in Part II of the cause-of-death section of the death certificate. If a specified length of time is not provided by the medical certifier, it is assumed that the pregnancy terminated 42 days or less prior to death. Further, if only indirect maternal causes of death (i.e., a previously existing disease or a disease that developed during pregnancy that was not due to direct obstetric causes but was aggravated by physiologic effects of pregnancy) are reported in Part I and pregnancy is reported in either Part I or Part II, the death is classified as a maternal death.

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 Chapter XVIII; Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (ICD–10 codes R00–R99). Although deaths occur for which the underlying causes are impossible to determine, this proportion indicates the care and consideration given to the cause-of-death statement 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. The percent of all reported deaths in the United States assigned to Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified, was 1.34 percent, about the same as in 2000 (1.33 percent), but considerably higher than in 1999 (1.12 percent). From 1990 through 1999, the percent of deaths from this cause for all ages combined generally was fairly stable, between 1.08 and 1.18 percent.

The large decrease in Influenza (ICD–10 codes J10–J11) deaths from 2000 to 2001 is largely due to a change in the coding rules, which resulted in deaths that would have previously been assigned to Influenza, instead were assigned to Pneumonia in 2001.

Terrorism-related deaths referred to in this report do not represent a final count of deaths resulting from the terrorist attacks on September 11, 2001, as this figure has not yet been determined. To date an estimated 3,028 deaths resulted from the September 11, 2001, terrorist attacks that occurred in New York City, Pennsylvania, and Virginia (table D). Of these, an estimated 2,792 deaths occurred in New York City, 189 in Virginia, and 44 in Pennsylvania. Three deaths occurred in other States, one each in Massachusetts, Missouri, and New Jersey, to persons who were injured on September 11 but died as the result of their injuries at a later date. The New Jersey death occurred in 2002.

As of October 24, 2002, death certificates were issued for 2,957 of the estimated 3,028 individuals believed to have died as a result of the September 11 attacks (table D). Of these, four were issued for terrorists and are classified as suicides. The criteria for issuing a death certificate for those believed to have died in the attacks differed by State, reflecting differences in State laws regarding death certification. Pennsylvania issued a death certificate for every individual, including the terrorists. Death certificates were not issued for any of the terrorists in Virginia or New York City. Virginia issued a death certificate only for those victims whose remains were identified. New York City issued a death certificate for those whose remains were identified or, if remains were not recovered, for those whose families applied for a death certificate. For more detailed information regarding New York City's processing of these deaths, see *Deaths in World Trade Center Terrorist Attacks—New York City, 2001* at http://www.cdc.gov/mmwr/preview/mmwrhtml/mm51SPa6.htm.

Data in this report include deaths to residents of the United States. Tables in this report, other than table D, include only the September 11-related deaths that occurred to residents of the United States in 2001 for which a certificate was issued as of October 24, 2002. Of these deaths, 2,922 are classified as homicides and 4 as suicides.

Rare causes of death

Selected causes of death considered to be of public health concern are routinely confirmed by the States according to agreed upon procedures between the State vital statistics programs and NCHS. These causes, termed "Infrequent and rare causes of death," are listed in the NCHS instruction manuals Parts 2a, 11, and 20 (33,55,56).

For data year 2001, complete confirmation of deaths from infrequent and rare causes were not provided by the District of Columbia and the following States: California, Illinois, Indiana, Kansas, Kentucky, Maine, Minnesota, Montana, New Jersey, New York, North Dakota, Ohio, Oklahoma, Pennsylvania, and Rhode Island.

Population bases for computing rates

Populations used for computing death rates and life tables shown in this report represent the population residing in the United States, enumerated as of April 1 for census years and estimated as of July 1 for all other years. Death rates for the United States for

2001 are computed using postcensal estimates published in 2001 based on the 2000 census estimated as of July 1, 2001. These populations are shown by race for 10-year age groups in table I and are available by 5-year age groups on the mortality Web site at http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm (57). Population estimates for all origins, Hispanic, non-Hispanic, non-Hispanic white, and non-Hispanic black for 2001 are shown in table II.

Death rates, shown in this report, for 1991–2000 have been recomputed, based on revised populations that are consistent with the 2000 census levels (58–67). These estimates were produced under a collaborative arrangement with the U.S. Census Bureau and are based on the 2000 census counts by age, race, and sex, modified to be consistent with U.S. Office of Management and Budget racial categories as of 1977 and historical categories for death data (9). The modification procedures are described in detail elsewhere (11,12). Death rates previously published in annual reports of final data for 1991 to 2000 (21,23,68–75) were based on postcensal population estimates derived from the 1990 census.

Population estimates in table II for Mexicans, Puerto Ricans, Cubans, and Other Hispanics, and population estimates by marital status in tables III and IV are based on the Current Population Survey adjusted to resident population control totals for the United States (76) and, as such, are subject to sampling variation (see "Random variation"). The control totals used are 2000-based population estimates for the United States for July 1, 2001 (57).

Population estimates by educational attainment, shown in table V, are also based on the Current Population Survey (76) adjusted to resident population control totals, and are also subject to sampling variation (see "Random variation"). The control totals used are 2000-based population estimates for 47 States and the District of Columbia for July 1, 2001 (57).

Population estimates for each State, shown in table VI, were estimated from State-level postcensal population estimates based on the 2000 census, estimated as of July 1, 2001 (77). State population estimates, produced in 2002 (2002 "vintage" series), incorporate information not included in the national population estimates, produced in 2001 (2001 "vintage" series); thereby, State population estimates are not consistent with national population estimates used in this report. Population estimates for Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, also shown in table VI, are based on the 2000 census, estimated as of July 1, 2001, and produced in 2002 (2002 "vintage" series) (78). Population estimates for each State and territory are based on demographic analysis and, therefore, are not subject to sampling variation.

Computing rates

Except for infant and maternal mortality rates, rates are on an annual basis per 100,000 estimated population residing in the specified area. Infant and maternal mortality rates are per 1,000 or per 100,000 live births. 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.

Age-adjusted rates (R') are used to compare relative mortality risks among groups and over time. However, they should be viewed as relative indexes rather than as actual measures of mortality risk. They were computed by the direct method, that is, by applying age-specific death rates (R_i) to the U.S. standard population (w_i) (table VII).

$$R' = \sum_i w_i R_i$$

Beginning with the 1999 data year, a new population standard was adopted by NCHS for use in age-adjusting death rates. Based on the projected year 2000 population of the United States, the new standard replaces the 1940 standard population that had been used for over 50 years. The new population standard affects levels of mortality and to some extent trends and group comparisons. Of particular note are the effects on race comparison of mortality. For detailed discussion see *Age Standardization of Death Rates: Implementation of the Year 2000 Standard* (79).

All age-adjusted rates shown in this report are based on the year 2000 standard population. The year 2000 standard population and corresponding weights used for computing age-adjusted rates and standard errors, excluding those by marital status, education, injury at work, and the U.S. territories, are shown in table VII.

Age-adjusted rates by marital status were computed by applying the age-specific death rates to the U.S. standard population for ages 25 years and over. Although age-specific death rates by marital status are shown for the age group 15–24 years, they are not included in the calculation of age-adjusted rates because of their high variability, particularly for the widowed population. Also, the age groups 75–84 and 85 years and over are combined because of high variability in death rates in the 85 years and over age group, particularly for the never-married population. The year 2000 standard population and corresponding weights used for computing age-adjusted rates and standard errors by marital status are shown in table VIII.

Age-adjusted rates by educational attainment were computed by applying the age-specific death rates to the U.S. standard population for ages 25–64 years. Data for age groups 65 years and over are not shown because reporting quality is poorer for older than for younger ages (52). The year 2000 standard population and corresponding weights used for computing age-adjusted rates and standard errors by education are shown in table IX.

Age-adjusted rates for injury at work were computed by applying the age-specific death rates to the U.S. standard population for ages 15 years and over. The year 2000 standard population and corresponding weights used for computing age-adjusted rates and standard errors for injury at work are shown in table X.

Age-adjusted rates for Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas were computed by applying the age-specific death rates to the U.S. standard population. Age groups for 75 years and over were combined because population counts were unavailable by age group for ages over 75 years. The year 2000 standard population and corresponding weights used for computing age-adjusted rates and standard errors for the territories are shown in table XI.

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

Death rates for the Hispanic population are based only on events to persons reported as Hispanic. Rates for non-Hispanic white persons are based on the sum of all events to white decedents reported as

Table I. Estimated population by 10-year age groups, specified race and sex: United States, 2001

[Populations are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; see "Technical Notes"]

Age	All races			White			Black			American Indian			Asian or Pacific Islander		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	284,796,887	139,813,108	144,983,779	232,351,696	114,659,071	117,692,625	37,196,779	17,710,410	19,486,369	3,054,311	1,524,362	1,529,949	12,194,101	5,919,265	6,274,836
Under 1 year	4,033,748	2,064,258	1,969,490	3,145,068	1,609,133	1,535,935	651,438	333,991	317,447	57,350	29,296	28,054	179,892	91,838	88,054
1–4 years	15,335,593	7,841,024	7,494,569	11,950,518	6,124,281	5,826,237	2,484,818	1,263,494	1,221,324	214,450	109,200	105,250	685,807	344,049	341,758
5–14 years	41,065,494	21,032,860	20,032,634	31,952,054	16,397,879	15,554,175	6,817,711	3,461,996	3,355,715	587,598	297,797	289,801	1,708,131	875,188	832,943
15–24 years	39,948,367	20,485,156	19,463,211	31,473,447	16,235,243	15,238,204	6,072,579	3,032,799	3,039,780	543,274	279,830	263,444	1,859,067	937,284	921,783
25–34 years	39,607,306	20,013,572	19,593,734	31,488,419	16,103,480	15,384,939	5,419,872	2,574,303	2,845,569	451,660	231,669	219,991	2,247,355	1,104,120	1,143,235
35–44 years	45,018,667	22,402,911	22,615,756	36,706,446	18,461,147	18,245,299	5,803,100	2,726,854	3,076,246	469,401	231,866	237,535	2,039,720	983,044	1,056,676
45–54 years	39,188,192	19,236,085	19,952,107	32,733,212	16,239,906	16,493,306	4,471,969	2,067,469	2,404,500	360,227	175,091	185,136	1,622,784	753,619	869,165
55–64 years	25,308,578	12,153,966	13,154,612	21,659,030	10,496,726	11,162,304	2,535,326	1,130,936	1,404,390	197,267	95,312	101,955	916,955	430,992	485,963
65–74 years	18,313,223	8,297,451	10,015,772	15,969,452	7,310,856	8,658,596	1,669,319	690,614	978,705	106,452	48,674	57,778	568,000	247,307	320,693
75–84 years	12,573,960	4,986,717	7,587,243	11,288,680	4,504,313	6,784,367	944,981	339,821	605,160	50,874	20,585	30,289	289,425	121,998	167,427
85 years and over	4,403,759	1,299,108	3,104,651	3,985,370	1,176,107	2,809,263	325,666	88,133	237,533	15,758	5,042	10,716	76,965	29,826	47,139

SOURCE: National Center for Health Statistics. Estimates of the July 1, 2001, United States resident population by age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. 2003.

Table II. Estimated population by 10-year age groups, according to specified Hispanic origin, race for non-Hispanic population, and sex: United States, 2001

[Populations for all origins, Hispanic, non-Hispanic, non-Hispanic white, and non-Hispanic black are postcensal estimates based on the 2000 census, estimated as of July 1, 2001; populations for Mexican, Puerto Rican, Cuban, Central and South American, and other and unknown Hispanic are based on the Current Population Survey adjusted to resident population control totals. The control totals are 2000-based population estimates for the United States for July 1, 2001; see "Technical Notes"]

Hispanic origin, race for non-Hispanic population, and sex	Total	Under 1 year	1–4 years	5–14 years	15–24 years	25–34 years	35–44 years	45–54 years	55–64 years	65–74 years	75–84 years	85 years and over
All origins	284,796,887	4,033,748	15,335,593	41,065,494	39,948,367	39,607,306	45,018,667	39,188,192	25,308,578	18,313,223	12,573,960	4,403,759
Male	139,813,108	2,064,258	7,841,024	21,032,860	20,485,156	20,013,572	22,402,911	19,236,085	12,153,966	8,297,451	4,986,717	1,299,108
Female	144,983,779	1,969,490	7,494,569	20,032,634	19,463,211	19,593,734	22,615,756	19,952,107	13,154,612	10,015,772	7,587,243	3,104,651
Hispanic	36,972,219	817,215	3,000,104	7,055,278	6,690,374	6,862,668	5,451,764	3,397,829	1,846,715	1,135,814	554,524	159,934
Male	19,017,589	416,585	1,533,065	3,605,535	3,605,550	3,699,181	2,827,718	1,684,305	868,713	500,793	223,639	52,505
Female	17,954,630	400,630	1,467,039	3,449,743	3,084,824	3,163,487	2,624,046	1,713,524	978,002	635,021	330,885	107,429
Mexican	24,599,015	635,058	2,218,213	4,954,374	4,645,782	4,707,652	3,328,618	2,086,636	1,052,664	597,901	288,055	84,062
Male	12,915,364	331,285	1,120,220	2,564,913	2,524,722	2,586,414	1,790,554	1,068,519	503,363	274,751	122,678	27,945
Female	11,683,651	303,773	1,097,993	2,389,461	2,121,060	2,121,238	1,538,064	1,018,117	549,301	323,150	165,377	56,117
Puerto Rican	3,241,567	50,034	216,162	631,418	523,466	515,943	508,218	370,006	209,980	148,819	51,146	16,375
Male	1,538,211	23,462	112,433	309,599	265,310	240,985	243,553	164,612	94,276	57,679	21,140	5,162
Female	1,703,356	26,572	103,729	321,819	258,156	274,958	264,665	205,394	115,704	91,140	30,006	11,213
Cuban	1,355,708	12,788	48,104	135,673	158,441	175,237	214,384	176,015	154,385	154,909	92,817	32,955
Male	683,619	5,682	25,889	74,615	81,906	101,416	117,681	88,324	70,371	74,796	36,765	6,174
Female	672,089	7,106	22,215	61,058	76,535	73,821	96,703	87,691	84,014	80,113	56,052	26,781
Other Hispanic[1]	7,775,922	119,336	517,619	1,333,823	1,362,673	1,463,831	1,400,540	765,182	429,670	234,195	122,514	26,539
Male	3,880,371	56,153	274,516	656,416	733,601	770,360	675,930	362,855	200,690	93,571	43,059	13,220
Female	3,895,551	63,183	243,103	677,407	629,072	693,471	724,610	402,327	228,980	140,624	79,455	13,319
Non-Hispanic[2]	247,824,668	3,216,533	12,335,489	34,010,216	33,257,993	32,744,638	39,566,903	35,790,363	23,461,863	17,177,409	12,019,436	4,243,825
Male	120,795,519	1,647,673	6,307,959	17,427,325	16,879,606	16,314,391	19,575,193	17,551,780	11,285,253	7,796,658	4,763,078	1,246,603
Female	127,029,149	1,568,860	6,027,530	16,582,891	16,378,387	16,430,247	19,991,710	18,238,583	12,176,610	9,380,751	7,256,358	2,997,222
White	198,036,588	2,396,540	9,201,163	25,467,768	25,278,631	25,082,833	31,625,980	29,568,680	19,924,172	14,895,212	10,762,020	3,833,589
Male	96,966,112	1,227,594	4,718,902	13,082,346	12,885,220	12,633,772	15,815,934	14,668,602	9,680,047	6,836,226	4,291,228	1,126,241
Female	101,070,476	1,168,946	4,482,261	12,385,422	12,393,411	12,449,061	15,810,046	14,900,078	10,244,125	8,058,986	6,470,792	2,707,348
Black	35,629,549	611,122	2,336,672	6,482,730	5,786,751	5,149,498	5,586,131	4,333,058	2,466,330	1,630,041	926,851	320,365
Male	16,943,654	313,374	1,188,043	3,291,628	2,887,899	2,444,266	2,623,301	2,001,518	1,099,536	674,249	333,258	86,582
Female	18,685,895	297,748	1,148,629	3,191,102	2,898,852	2,705,232	2,962,830	2,331,540	1,366,794	955,792	593,593	233,783

[1]Includes Central and South American and Other and unknown Hispanic. [2]Includes races other than white and black.

SOURCE: Population estimates for specified Hispanic subgroups based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census. Population estimates for All origins, Hispanic, non-Hispanic, non-Hispanic white, and non-Hispanic black were prepared under a collaborative arrangement with the U.S. Census Bureau. See references 57 and 76.

Table III. Estimated population for ages 15 years and over by marital status, 10-year age groups, race, and sex: United States, 2001

[Population estimates are based on the Current Population Survey adjusted to resident population controls for the United States. The control totals used are 2000-based population estimates for the United States for July 1, 2001]

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[1]	224,362,088	39,948,353	39,607,317	45,018,666	39,188,202	25,308,570	18,313,246	16,977,734
Never married	63,542,640	35,339,900	14,603,742	7,183,693	3,591,368	1,466,878	684,882	672,177
Ever married	160,819,448	4,608,453	25,003,575	37,834,973	35,596,834	23,841,692	17,628,364	16,305,557
Married	124,617,292	4,251,889	22,238,132	31,793,884	28,504,034	18,261,265	12,209,284	7,358,804
Widowed	15,180,108	26,163	142,109	416,641	920,606	1,779,205	3,772,663	8,122,721
Divorced	21,022,048	330,401	2,623,334	5,624,448	6,172,194	3,801,222	1,646,417	824,032
All races[1], male	108,875,000	20,485,156	20,013,570	22,402,918	19,236,095	12,153,959	8,297,467	6,285,835
Never married	34,865,696	18,827,965	8,498,408	4,278,657	1,890,432	778,055	339,604	252,575
Ever married	74,009,304	1,657,191	11,515,162	18,124,261	17,345,663	11,375,904	7,957,863	6,033,260
Married	62,345,160	1,534,910	10,425,887	15,487,999	14,470,510	9,518,961	6,590,317	4,316,576
Widowed	2,764,823	11,942	23,236	81,936	176,783	333,959	716,933	1,420,034
Divorced	8,899,321	110,339	1,066,039	2,554,326	2,698,370	1,522,984	650,613	296,650
All races[1], female	115,487,088	19,463,197	19,593,747	22,615,748	19,952,107	13,154,611	10,015,779	10,691,899
Never married	28,676,944	16,511,935	6,105,334	2,905,036	1,700,936	688,823	345,278	419,602
Ever married	86,810,144	2,951,262	13,488,413	19,710,712	18,251,171	12,465,788	9,670,501	10,272,297
Married	62,272,132	2,716,979	11,812,245	16,305,885	14,033,524	8,742,304	5,618,967	3,042,228
Widowed	12,415,285	14,221	118,873	334,705	743,823	1,445,246	3,055,730	6,702,687
Divorced	12,122,727	220,062	1,557,295	3,070,122	3,473,824	2,278,238	995,804	527,382
White	185,304,067	31,473,430	31,488,415	36,706,444	32,733,214	21,659,042	15,969,470	15,274,052
Never married	47,902,075	27,513,543	10,494,241	5,043,067	2,538,958	1,145,345	564,339	602,582
Ever married	137,401,992	3,959,887	20,994,174	31,663,377	30,194,256	20,513,697	15,405,131	14,671,470
Married	107,175,620	3,663,510	18,688,918	26,744,683	24,490,254	15,985,375	10,861,333	6,741,547
Widowed	12,820,257	18,883	106,643	304,322	671,218	1,363,901	3,145,091	7,210,199
Divorced	17,406,115	277,494	2,198,613	4,614,372	5,032,784	3,164,421	1,398,707	719,724
White male	90,527,800	16,235,243	16,103,474	18,461,150	16,239,913	10,496,731	7,310,864	5,680,425
Never married	26,947,509	14,811,562	6,360,754	3,202,044	1,420,016	639,301	284,372	229,460
Ever married	63,580,291	1,423,681	9,742,720	15,259,106	14,819,897	9,857,430	7,026,492	5,450,965
Married	53,757,294	1,328,680	8,822,517	13,028,894	12,441,150	8,330,975	5,861,004	3,944,074
Widowed	2,322,953	6,669	22,068	57,894	130,704	237,994	613,576	1,254,048
Divorced	7,500,044	88,332	898,135	2,172,318	2,248,043	1,288,461	551,912	252,843
White female	94,776,267	15,238,187	15,384,941	18,245,294	16,493,301	11,162,311	8,658,606	9,593,627
Never married	20,954,566	12,701,981	4,133,487	1,841,023	1,118,942	506,044	279,967	373,122
Ever married	73,821,701	2,536,206	11,251,454	16,404,271	15,374,359	10,656,267	8,378,639	9,220,505
Married	53,418,326	2,334,830	9,866,401	13,715,789	12,049,104	7,654,400	5,000,329	2,797,473
Widowed	10,497,304	12,214	84,575	246,428	540,514	1,125,907	2,531,515	5,956,151
Divorced	9,906,071	189,162	1,300,478	2,442,054	2,784,741	1,875,960	846,795	466,881
Black	27,242,828	6,072,564	5,419,877	5,803,110	4,471,970	2,535,326	1,669,333	1,270,648
Never married	11,848,843	5,652,034	3,021,857	1,817,969	917,374	277,693	103,439	58,477
Ever married	15,393,985	420,530	2,398,020	3,985,141	3,554,596	2,257,633	1,565,894	1,212,171
Married	10,677,461	378,170	2,057,534	3,100,354	2,400,235	1,420,278	914,074	406,816
Widowed	1,811,061	3,703	30,070	94,187	189,305	307,482	461,241	725,073
Divorced	2,905,463	38,657	310,416	790,600	965,056	529,873	190,579	80,282
Black male	12,650,936	3,032,793	2,574,300	2,726,860	2,067,470	1,130,933	690,624	427,956
Never married	5,793,604	2,871,463	1,472,041	868,745	403,037	113,659	46,489	18,170
Ever married	6,857,332	161,330	1,102,259	1,858,115	1,664,433	1,017,274	644,135	409,786
Married	5,397,730	144,248	971,431	1,539,627	1,243,874	758,896	491,088	248,566
Widowed	346,530	1,696	0	18,341	37,724	73,422	86,009	129,338
Divorced	1,113,072	15,386	130,828	300,147	382,835	184,956	67,038	31,882
Black female	14,591,892	3,039,771	2,845,577	3,076,250	2,404,500	1,404,393	978,709	842,692
Never married	6,055,239	2,780,571	1,549,816	949,224	514,337	164,034	56,950	40,307
Ever married	8,536,653	259,200	1,295,761	2,127,026	1,890,163	1,240,359	921,759	802,385
Married	5,279,731	233,922	1,086,103	1,560,727	1,156,361	661,382	422,986	158,250
Widowed	1,464,531	2,007	30,070	75,846	151,581	234,060	375,232	595,735
Divorced	1,792,391	23,271	179,588	490,453	582,221	344,917	123,541	48,400

[1]Includes races other than white and black.

SOURCE: Population estimates based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division of the U.S. Census Bureau. 2003.

non-Hispanic and white decedents with origin not stated. Hispanic origin is not imputed if it is not reported.

Random variation

The mortality data presented in this report, with the exception of data for 1972, are not subject to sampling error. In 1972 mortality data were 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. That is, the number of deaths that actually occurred may be considered as one of a large series of possible results that could have arisen under the same circumstances (80,81). When the number of deaths is small (perhaps less than 100),

Table IV. Estimated population for ages 15 years and over by marital status, 10-year age groups, Hispanic origin, race for non-Hispanic population, and sex: United States, 2001

[Population estimates are based on the Current Population Survey adjusted to resident population controls for the United States. The control totals used are 2000-based population estimates for the United States for July 1, 2001; see "Technical Notes." Population estimates for "All origins" in this table are consistent with estimates shown for "All races" in table III. In this table, population subgroups may not add to totals shown]

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 origins	224,362,088	39,948,353	39,607,317	45,018,666	39,188,202	25,308,570	18,313,246	16,977,734
Never married	63,542,640	35,339,900	14,603,742	7,183,693	3,591,368	1,466,878	684,882	672,177
Ever married	160,819,448	4,608,453	25,003,575	37,834,973	35,596,834	23,841,692	17,628,364	16,305,557
Married	124,617,292	4,251,889	22,238,132	31,793,884	28,504,034	18,261,265	12,209,284	7,358,804
Widowed	15,180,108	26,163	142,109	416,641	920,606	1,779,205	3,772,663	8,122,721
Divorced	21,022,048	330,401	2,623,334	5,624,448	6,172,194	3,801,222	1,646,417	824,032
All origins, male	108,875,000	20,485,156	20,013,570	22,402,918	19,236,095	12,153,959	8,297,467	6,285,835
Never married	34,865,696	18,827,965	8,498,408	4,278,657	1,890,432	778,055	339,604	252,575
Ever married	74,009,304	1,657,191	11,515,162	18,124,261	17,345,663	11,375,904	7,957,863	6,033,260
Married	62,345,160	1,534,910	10,425,887	15,487,999	14,470,510	9,518,961	6,590,317	4,316,576
Widowed	2,764,823	11,942	23,236	81,936	176,783	333,959	716,933	1,420,034
Divorced	8,899,321	110,339	1,066,039	2,554,326	2,698,370	1,522,984	650,613	296,650
All origins, female	115,487,088	19,463,197	19,593,747	22,615,748	19,952,107	13,154,611	10,015,779	10,691,899
Never married	28,676,944	16,511,935	6,105,334	2,905,036	1,700,936	688,823	345,278	419,602
Ever married	86,810,144	2,951,262	13,488,413	19,710,712	18,251,171	12,465,788	9,670,501	10,272,297
Married	62,272,132	2,716,979	11,812,245	16,305,885	14,033,524	8,742,304	5,618,967	3,042,228
Widowed	12,415,285	14,221	118,873	334,705	743,823	1,445,246	3,055,730	6,702,687
Divorced	12,122,727	220,062	1,557,295	3,070,122	3,473,824	2,278,238	995,804	527,382
Hispanic	26,099,597	6,690,373	6,862,672	5,451,765	3,397,811	1,846,717	1,135,812	714,447
Never married	9,326,620	5,519,385	2,323,345	868,223	354,314	155,130	74,635	31,588
Ever married	16,772,977	1,170,988	4,539,327	4,583,542	3,043,497	1,691,587	1,061,177	682,859
Married	14,142,735	1,133,447	4,178,599	4,011,583	2,494,743	1,305,268	693,735	325,360
Widowed	898,136	4,807	19,860	53,475	93,150	158,680	248,146	320,018
Divorced	1,732,106	32,734	340,868	518,484	455,604	227,639	119,296	37,481
Hispanic male	13,462,415	3,605,557	3,699,186	2,827,716	1,684,302	868,720	500,793	276,141
Never married	5,413,934	3,136,250	1,439,420	529,416	191,771	79,834	27,684	9,559
Ever married	8,048,481	469,307	2,259,766	2,298,300	1,492,531	788,886	473,109	266,582
Married	7,177,746	458,637	2,115,327	2,058,507	1,296,612	663,475	385,311	199,877
Widowed	163,539	1,929	3,915	8,690	13,939	34,349	46,989	53,728
Divorced	707,196	8,741	140,524	231,103	181,980	91,062	40,809	12,977
Hispanic female	12,637,182	3,084,816	3,163,486	2,624,049	1,713,509	977,997	635,019	438,306
Never married	3,912,686	2,383,135	883,925	338,807	162,543	75,296	46,951	22,029
Ever married	8,724,496	701,681	2,279,561	2,285,242	1,550,966	902,701	588,068	416,277
Married	6,964,989	674,810	2,063,272	1,953,076	1,198,131	641,793	308,424	125,483
Widowed	734,597	2,878	15,945	44,785	79,211	124,331	201,157	266,290
Divorced	1,024,910	23,993	200,344	287,381	273,624	136,577	78,487	24,504
Non-Hispanic[1]	198,262,413	33,257,987	32,744,632	39,566,932	35,790,374	23,461,833	17,177,398	16,263,257
Never married	54,157,333	29,788,995	12,260,068	6,315,153	3,235,344	1,307,791	609,403	640,579
Ever married	144,105,080	3,468,992	20,484,564	33,251,779	32,555,030	22,154,042	16,567,995	15,622,678
Married	110,545,146	3,152,266	18,090,834	27,782,383	26,014,602	16,957,123	11,518,141	7,029,797
Widowed	14,276,796	21,522	122,025	363,558	826,758	1,618,439	3,518,913	7,805,581
Divorced	19,283,138	295,204	2,271,705	5,105,838	5,713,670	3,578,480	1,530,941	787,300
Non-Hispanic male[1]	95,412,546	16,879,611	16,314,383	19,575,207	17,551,782	11,285,241	7,796,653	6,009,669
Never married	29,415,010	15,671,555	7,044,492	3,748,385	1,699,382	695,669	311,698	243,829
Ever married	65,997,536	1,208,056	9,269,891	15,826,822	15,852,400	10,589,572	7,484,955	5,765,840
Married	55,211,931	1,097,818	8,333,028	13,433,015	13,176,704	8,855,180	6,203,147	4,113,039
Widowed	2,603,656	10,138	19,208	73,205	162,586	299,567	670,426	1,368,526
Divorced	8,181,949	100,100	917,655	2,320,602	2,513,110	1,434,825	611,382	284,275
Non-Hispanic female[1]	102,849,867	16,378,376	16,430,249	19,991,725	18,238,592	12,176,592	9,380,745	10,253,588
Never married	24,742,323	14,117,440	5,215,576	2,566,768	1,535,962	612,122	297,705	396,750
Ever married	78,107,544	2,260,936	11,214,673	17,424,957	16,702,630	11,564,470	9,083,040	9,856,838
Married	55,333,215	2,054,448	9,757,806	14,349,368	12,837,898	8,101,943	5,314,994	2,916,758
Widowed	11,673,140	11,384	102,817	290,353	664,172	1,318,872	2,848,487	6,437,055
Divorced	11,101,189	195,104	1,354,050	2,785,236	3,200,560	2,143,655	919,559	503,025

See footnotes at end of table.

Table IV. Estimated population for ages 15 years and over by marital status, 10-year age groups, Hispanic origin, race for non-Hispanic population, and sex: United States, 2001—Con.

[Population estimates are based on the Current Population Survey adjusted to resident population controls for the United States. The control totals used are 2000-based population estimates for the United States for July 1, 2001; see "Technical Notes." Population estimates for "All origins" in this table are consistent with estimates shown for "All races" in table III. In this table, population subgroups may not add to totals shown]

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
Non-Hispanic white	160,971,143	25,278,626	25,082,835	31,626,025	29,568,672	19,924,169	14,895,208	14,595,608
Never married	39,240,128	22,391,315	8,333,497	4,241,512	2,210,321	996,698	495,566	571,219
Ever married	121,731,015	2,887,311	16,749,338	27,384,513	27,358,351	18,927,471	14,399,642	14,024,389
Married	93,970,798	2,625,092	14,793,950	22,989,702	22,164,896	14,761,308	10,205,948	6,429,902
Widowed	11,968,733	14,404	87,313	259,506	583,431	1,210,749	2,906,645	6,906,685
Divorced	15,791,484	247,815	1,868,075	4,135,305	4,610,024	2,955,414	1,287,049	687,802
Non-Hispanic white male	77,937,270	12,885,221	12,633,768	15,815,958	14,668,596	9,680,043	6,836,220	5,417,464
Never married	21,883,359	11,877,988	5,007,742	2,712,179	1,243,697	563,043	258,288	220,422
Ever married	56,053,911	1,007,233	7,626,026	13,103,779	13,424,899	9,117,000	6,577,932	5,197,042
Married	47,056,142	922,111	6,847,977	11,098,714	11,229,192	7,709,575	5,497,151	3,751,422
Widowed	2,164,397	4,983	18,195	49,325	117,453	202,494	567,233	1,204,714
Divorced	6,833,372	80,139	759,854	1,955,740	2,078,254	1,204,931	513,548	240,906
Non-Hispanic white female	83,033,873	12,393,405	12,449,067	15,810,067	14,900,076	10,244,126	8,058,988	9,178,144
Never married	17,356,769	10,513,327	3,325,755	1,529,333	966,624	433,655	237,278	350,797
Ever married	65,677,104	1,880,078	9,123,312	14,280,734	13,933,452	9,810,471	7,821,710	8,827,347
Married	46,914,656	1,702,981	7,945,973	11,890,988	10,935,704	7,051,733	4,708,797	2,678,480
Widowed	9,804,336	9,421	69,118	210,181	465,978	1,008,255	2,339,412	5,701,971
Divorced	8,958,112	167,676	1,108,221	2,179,565	2,531,770	1,750,483	773,501	446,896
Non-Hispanic black	26,199,008	5,786,748	5,149,498	5,586,124	4,333,070	2,466,317	1,630,043	1,247,208
Never married	11,401,207	5,404,157	2,906,714	1,768,775	894,834	271,942	96,620	58,165
Ever married	14,797,801	382,591	2,242,784	3,817,349	3,438,236	2,194,375	1,533,423	1,189,043
Married	10,192,784	343,385	1,911,158	2,967,529	2,307,980	1,371,126	893,331	398,275
Widowed	1,780,213	3,640	29,574	88,071	185,739	304,469	455,146	713,574
Divorced	2,824,804	35,566	302,052	761,749	944,517	518,780	184,946	77,194
Non-Hispanic black male	12,150,619	2,887,903	2,444,265	2,623,297	2,001,528	1,099,537	674,252	419,837
Never married	5,564,626	2,744,455	1,411,598	842,553	392,403	110,620	44,941	18,056
Ever married	6,585,993	143,448	1,032,667	1,780,744	1,609,125	988,917	629,311	401,781
Married	5,160,958	127,664	905,767	1,473,131	1,198,655	733,240	478,464	244,037
Widowed	342,967	1,677	0	18,314	36,978	73,694	85,497	126,807
Divorced	1,082,068	14,107	126,900	289,299	373,492	181,983	65,350	30,937
Non-Hispanic black female	14,048,389	2,898,845	2,705,233	2,962,827	2,331,542	1,366,780	955,791	827,371
Never married	5,836,581	2,659,702	1,495,116	926,222	502,431	161,322	51,679	40,109
Ever married	8,211,808	239,143	1,210,117	2,036,605	1,829,111	1,205,458	904,112	787,262
Married	5,031,826	215,721	1,005,391	1,494,398	1,109,325	637,886	414,867	154,238
Widowed	1,437,246	1,963	29,574	69,757	148,761	230,775	369,649	586,767
Divorced	1,742,736	21,459	175,152	472,450	571,025	336,797	119,596	46,257

[1]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. Census Bureau. 2003.

Table V. Estimated population for ages 25–64 years, by educational attainment and sex: Total of 47 reporting States and the District of Columbia, 2001

[Population estimates based on the Current Population Survey adjusted to resident population controls. The control totals used are 2000-based population estimates for 47 States and the District of Columbia for July 1, 2001; see "Technical Notes"]

Years of school completed and sex	25–64 years	25–34 years	35–44 years	45–54 years	55–64 years
All races					
Both sexes	143,759,592	38,037,861	43,397,439	37,849,177	24,475,115
Under 12 years	17,925,798	4,703,600	4,976,862	4,082,687	4,162,649
12 years	45,612,181	11,040,120	14,304,207	11,728,466	8,539,388
13 years and over	80,221,613	22,294,141	24,116,370	22,038,024	11,773,078
Male	71,148,714	19,255,006	21,558,178	18,571,961	11,763,569
Under 12 years	9,192,460	2,576,610	2,596,553	2,033,067	1,986,230
12 years	22,526,729	6,033,173	7,365,364	5,452,035	3,676,157
13 years and over	39,429,525	10,645,223	11,596,261	11,086,859	6,101,182
Female	72,610,878	18,782,855	21,839,261	19,277,216	12,711,546
Under 12 years	8,733,338	2,126,990	2,380,309	2,049,620	2,176,419
12 years	23,085,452	5,006,947	6,938,843	6,276,431	4,863,231
13 years and over	40,792,088	11,648,918	12,520,109	10,951,165	5,671,896

SOURCE: Population estimates based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau. 2003.

Table VI. Estimated population for the United States, each State, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas, 2001

[Populations for the United States are postcensal estimates produced in 2001 based on the 2000 census estimated as of July 1, 2001. Populations for each State, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas are postcensal estimates produced in 2002 based on the 2000 census estimated as of July 1, 2001. State populations do not add to U.S. total]

Area	Total	Area	Total
United States	284,796,887	Nebraska	1,720,039
		Nevada	2,097,722
Alabama	4,468,912	New Hampshire	1,259,359
Alaska	633,630	New Jersey	8,511,116
Arizona	5,306,966	New Mexico	1,830,935
Arkansas	2,694,698	New York	19,084,350
California	34,600,463	North Carolina	8,206,105
Colorado	4,430,989	North Dakota	636,550
Connecticut	3,434,602	Ohio	11,389,785
Delaware	796,599	Oklahoma	3,469,577
District of Columbia	573,822	Oregon	3,473,441
Florida	16,373,330	Pennsylvania	12,303,104
Georgia	8,405,677	Rhode Island	1,059,659
Hawaii	1,227,024	South Carolina	4,062,125
Idaho	1,320,585	South Dakota	758,324
Illinois	12,520,227	Tennessee	5,749,398
Indiana	6,126,743	Texas	21,370,983
Iowa	2,931,967	Utah	2,278,712
Kansas	2,702,125	Vermont	612,978
Kentucky	4,068,816	Virginia	7,196,750
Louisiana	4,470,368	Washington	5,993,390
Maine	1,284,470	West Virginia	1,800,975
Maryland	5,386,079	Wisconsin	5,405,947
Massachusetts	6,401,164	Wyoming	493,754
Michigan	10,006,266		
Minnesota	4,984,535	Puerto Rico	3,838,361
Mississippi	2,859,733	Virgin Islands	108,749
Missouri	5,637,309	Guam	158,330
Montana	905,382	American Samoa	57,529
Nebraska	1,720,039	Northern Marianas	71,868

SOURCE: U.S. Census Bureau. See references 77 and 78.

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

Age	Number	Weights (w_i)
All ages	1,000,000	1.000000
Under 1 year	13,818	0.013818
1–4 years	55,317	0.055317
5–14 years	145,565	0.145565
15–24 years	138,646	0.138646
25–34 years	135,573	0.135573
35–44 years	162,613	0.162613
45–54 years	134,834	0.134834
55–64 years	87,247	0.087247
65–74 years	66,037	0.066037
75–84 years	44,842	0.044842
85 years and over	15,508	0.015508

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

Age	Number	Weights (w_i)
25 years and over	646,654	1.000000
25–34 years	135,573	0.209653
35–44 years	162,613	0.251468
45–54 years	134,834	0.208510
55–64 years	87,247	0.134921
65–74 years	66,037	0.102121
75 years and over	60,350	0.093327

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

Age	Number	Weights (w_i)
25–64 years	520,267	1.000000
25–34 years	135,573	0.260584
35–44 years	162,613	0.312557
45–54 years	134,834	0.259163
55–64 years	87,247	0.167697

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

Age	Number	Weights (w_i)
15 years and over	785,300	1.000000
15–24 years	138,646	0.176552
25–34 years	135,573	0.172638
35–44 years	162,613	0.207071
45–54 years	134,834	0.171697
55–64 years	87,247	0.111100
65 years and over	126,387	0.160941

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

Age	Number	Weights (w_i)
All ages	1,000,000	1.000000
Under 1 year	13,818	0.013818
1–4 years	55,317	0.055317
5–14 years	145,565	0.145565
15–24 years	138,646	0.138646
25–34 years	135,573	0.135573
35–44 years	162,613	0.162613
45–54 years	134,834	0.134834
55–64 years	87,247	0.087247
65–74 years	66,037	0.066037
75 years and over	60,350	0.060350

random variation tends to be relatively large. Therefore, considerable caution must be observed in interpreting statistics based on small numbers of deaths.

Measuring random variability—To quantify the random variation associated with mortality statistics, one must make an assumption regarding the appropriate underlying distribution. Deaths, as infrequent events, can be viewed as deriving from a Poisson probability distribution. The Poisson distribution is simple conceptually and computationally, and provides reasonable, conservative variance estimates for mortality statistics when the probability of dying is relatively low (81). Using the properties of the Poisson distribution, the standard error (SE) associated with the number of deaths (D) is

$$1.\quad \mathrm{SE}(D) = \sqrt{\mathrm{var}(D)} = \sqrt{D}$$

where var(D) denotes the variance of D.

The standard error associated with crude and age-specific death rates (R) assumes that the population denominator (P) is a constant and is

$$2.\quad \mathrm{SE}(R) = \sqrt{\mathrm{var}\left(\frac{D}{P}\right)} = \sqrt{\frac{1}{P^2}\mathrm{var}(D)} = \sqrt{\frac{D}{P^2}} = \frac{R}{\sqrt{D}}$$

The coefficient of variation or relative standard error (RSE) is a useful measure of relative variation. The RSE is calculated by dividing the statistic (e.g., number of deaths, death rate) into its standard error and multiplying by 100. For the number of deaths

$$\mathrm{RSE}(D) = 100\,\frac{\mathrm{SE}(D)}{D} = 100\,\frac{\sqrt{D}}{D} = 100\sqrt{\frac{1}{D}}$$

For crude and age-specific death rates

$$\mathrm{RSE}(R) = 100\,\frac{\mathrm{SE}(R)}{R} = 100\,\frac{R/\sqrt{D}}{R} = 100\sqrt{\frac{1}{D}}$$

Thus,

$$3.\quad \mathrm{RSE}(D) = \mathrm{RSE}(R) = 100\sqrt{\frac{1}{D}}$$

The standard error of the age-adjusted death rate (R') is

$$4.\quad \mathrm{SE}(R') = \sqrt{\sum_i w_i^2\,\mathrm{var}(R_i)} = \sqrt{\sum_i \left\{w_i^2\left(\frac{R_i^2}{D_i}\right)\right\}}$$

where

R_i = age-specific rate for the ith age group

w_i = age-specific standard weight for the ith age group from the U.S. standard population such that $\sum w_i = 1.0$ (see table VII and age-adjusted death rate under "Definition of terms")

D_i = number of deaths for the ith age group

The RSE for the age-adjusted rate, RSE(R'), can easily be calculated by dividing SE(R') from formula 4 by the age-adjusted death rate, R', and multiplying by 100.

$$\mathrm{RSE}(R') = 100\,\frac{\mathrm{SE}(R')}{R'}$$

For tables showing infant and maternal mortality rates based on live births (B) in the denominator, calculation of the standard error assumes random variability in both the numerator and denominator. The standard error for the infant mortality rate (IMR) is

$$5.\quad \mathrm{SE}(IMR) = \sqrt{\frac{\mathrm{var}(D) + IMR \bullet \mathrm{var}(B)}{E(B)^2}} = \sqrt{\frac{D}{B^2} + \frac{D^2}{B^3}}$$

where the number of births, B, is also assumed to be distributed according to a Poisson distribution and $E(B)$ is the expectation of B.

The RSE for the IMR is

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

For maternal mortality rates, formulas 5 and 6 may be used substituting the maternal mortality rate for the IMR.

Formulas 1–6 may be used for all tables presented in this report except for death rates and age-adjusted death rates shown in tables 5, 25, 26, and 27 that are calculated using population figures that are subject to sampling error (see the following subsection).

Tables 5, 25, 26, and 27—Death rates for Mexicans, Puerto Ricans, Cubans, and Other Hispanics in table 5, rates by marital status in tables 25 and 26, and rates by educational attainment in table 27 are based on population estimates derived from the U.S. Bureau of the Census' CPS for 2001 and adjusted to resident population control totals. As a result, the rates are subject to sampling variability in the denominator as well as random variability in the numerator.

For crude and age-specific death rates (R) the standard error is calculated as

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

For age-adjusted death rates (R')

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

where a and b in formulas 7 and 8 represent parameters presented in table XII, which are derived from the CPS data for 2001 and vary depending on the subgroup of interest (81).

Table XII. CPS standard error parameters for death rates in tables 5, 25, 26, and 27

Characteristic	Total, white, or non-Hispanic white		Black or non-Hispanic black		Hispanic	
	a	b	a	b	a	b
Table 5						
All origins	0.000000	0	0.000000	0	0.000000	0
Hispanic subgroups (Mexican, Puerto Rican, Cuban, and Other Hispanic)	. . .	. . .	. . .	. . .	–0.000102	3,809
Tables 25 and 26						
All marital status groups combined	0.000000	0	0.000000	0	0.000000	0
Marital status subgroups (Never married, Ever married, Married, Widowed, and Divorced)	–0.000009	2,652	–0.000106	3,809	–0.000102	3,809
Table 27						
All education groups	0.000000	0	0.000000	0	0.000000	0
Education subgroups (Under 12 years, 12 years, and 13 years or over)	–0.000005	1,206	. . .	. . .	. . .	. . .

. . . Category not applicable.

Suppression of unreliable rates—Beginning with 1989 data, an asterisk is shown in place of a crude or age-specific death rate based on fewer than 20 deaths, the equivalent of an RSE of 23 percent or more. The limit of 20 deaths is a convenient, if somewhat arbitrary, benchmark, below which rates are considered to be too statistically unreliable for presentation. For infant and maternal mortality rates, the same criterion (less than 20 deaths) is used to determine whether an asterisk is presented in place of the rate. For age-adjusted death rates the suppression criterion is based on the sum of the age-specific deaths; i.e., if the sum of the age-specific deaths is less than 20, an asterisk is presented in place of the rate. These procedures are used throughout this report except for death rates shown in tables 5, 25, 26, and 27.

For death rates shown in tables 5, 25, 26, and 27, sampling variability in the population denominator has a substantial impact on the overall variability in the rate. Therefore, the number of deaths in the numerator is not used as the sole suppression factor. RSEs for rates shown in tables 5, 25, 26, and 27 are derived from formulas 7 and 8 by dividing the results of formulas 7 and 8 by the crude/age-specific rate and age-adjusted rate, respectively, and multiplying by 100. Rates are replaced by asterisks if the calculated RSE is 23 percent or more. In some cases, for smaller population subgroups, the estimated sample population from the CPS may be zero, even though deaths are presented for these same subgroups. In these cases, the death rate is incalculable and is automatically replaced with an asterisk.

Confidence intervals and statistical tests based on 100 deaths or more—When the number of deaths is large, a normal approximation may be used in the calculation of confidence intervals and statistical tests. How large is to some extent a subjective judgment. In general, for crude and age-specific death rates and for infant and maternal mortality rates, the normal approximation performs quite well when the number of deaths is 100 or greater. For age-adjusted rates, the criterion for use of the normal approximation is somewhat more complicated (6,79,83). Formula 9 is used to calculate 95-percent confidence limits for the death rate when the normal approximation is appropriate.

9. $L(R) = R - 1.96(\mathrm{SE}(R))$ and $U(R) = R + 1.96(\mathrm{SE}(R))$

where $L(R)$ and $U(R)$ are the lower and upper limits of the confidence interval, respectively. The resulting 95-percent confidence interval can be interpreted to mean that the chances are 95 in 100 that the "true" death rate falls between $L(R)$ and $U(R)$. For example, suppose that the crude death rate for Malignant neoplasms is 194.4 per 100,000 population based on 553,768 deaths. Lower and upper 95-percent confidence limits using formula 9 are calculated as

$L(194.4) = 194.4 - 1.96(.26) = 193.9$
$U(194.4) = 194.4 + 1.96(.26) = 194.9$

Thus, the chances are 95 in 100 that the true death rate for Malignant neoplasms is between 193.9 and 194.9. Formula 9 can also be used to calculate 95-percent confidence intervals for the number of deaths, age-adjusted death rates, infant mortality rates, and other mortality statistics when the normal approximation is appropriate by replacing R with D, R', IMR, etc.

When testing the difference between two rates, R_1 and R_2 (each based on 100 or more deaths), the normal approximation may be used to calculate a test statistic, z, such that

10. $$z = \frac{R_1 - R_2}{\sqrt{\mathrm{SE}(R_1)^2 + \mathrm{SE}(R_2)^2}}$$

If $|z| \geq 1.96$ then the difference between the rates is statistically significant at the 0.05-level. If $|z| < 1.96$ then the difference is not statistically significant. Formula 10 can also be used to perform tests for other mortality statistics when the normal approximation is appropriate (when both statistics being compared meet the normal criteria) by replacing R_1 and R_2 with D_1 and D_2, R'_1 and R'_2, etc. Suppose that the female age-adjusted death rate for lung cancer is 41.3 per 100,000 U.S. standard population in 2000 (R_1) and 41.0 per 100,000 U.S. standard population in 2001 (R_2). The standard error for each of these figures, $\mathrm{SE}(R_1)$ and $\mathrm{SE}(R_2)$, is calculated using formula 4. Using formula 10, one can test if the decrease in the age-adjusted rate is statistically significant.

$$z = \frac{41.3 - 41.0}{\sqrt{(0.163)^2 + (0.161)^2}} = 1.31$$

Because $z = 1.31 < 1.96$, the decrease from 2000 to 2001 in the female age-adjusted death rate for lung cancer is not statistically significant.

Confidence intervals and statistical tests based on less than 100 deaths—When the number of deaths is not large (less than 100), the Poisson distribution cannot be approximated by the normal distribution. The normal distribution is a symmetric distribution with a range from $-\infty$ to $+\infty$. As a result, confidence intervals based on the normal distribution also have this range. The number of deaths or the death rate, however, cannot be less than zero. When the number of deaths is very small, approximating confidence intervals for deaths and death rates using the normal distribution will sometimes produce lower confidence limits that are negative. The Poisson distribution, in contrast, is an asymmetric distribution with zero as a lower bound. Thus, confidence limits based on this distribution will never be less than zero. A simple method based on the more general family of gamma distributions, of which the Poisson is a member, can be used to approximate confidence intervals for deaths and death rates when the number of deaths is small (79,83). For more information regarding how the gamma method is derived, see *Derivation of the gamma method* at the end of this section.

Calculations using the gamma method can be made using commonly available spreadsheet programs or statistical software (e.g., Excel, SAS) that include an inverse gamma function. In Excel, the function "gammainv(probability, alpha, beta)" returns values associated with the inverse gamma function for a given probability between 0 and 1. For 95 percent confidence limits, the probability associated with the lower limit is .05/2 = .025 and the probability associated with the upper limit is 1 – (.05/2) = .975. Alpha and beta are parameters associated with the gamma distribution. For the number of deaths and crude and age-specific death rates, alpha = D (the number of deaths) and beta = 1. In Excel, the following formulas can be used to calculate lower and upper 95 percent confidence limits for the number of deaths and crude and age-specific death rates

$L(D)$ = GAMMAINV(.025, D, 1) and $U(D)$ = GAMMAINV(.975, $D+1$, 1)

Confidence limits for the death rate are then calculated by dividing $L(D)$ and $U(D)$ by the population (P) at risk of dying (see formula 17).

Alternatively, 95 percent confidence limits can be estimated using the lower and upper confidence limit factors shown in table XIII. For the number of deaths, D, and the death rate, R,

11. $L(D) = L \times D$ and $U(D) = U \times D$

12. $L(R) = L \times R$ and $U(R) = U \times R$

where L and U in formulas 11 and 12 are the lower and upper confidence limit factors that correspond to the appropriate number of deaths, D, in table XIII. For example, suppose that the death rate for American Indian females aged 10–14 is 24.0 per 100,000 and based on 30 deaths. Applying formula 12, values for L and U from table XIII for 30 deaths are multiplied by the death rate, 24.0, such that

$L(R) = L(24.0) = 0.674696 \times 24.0 = 16.2$

$U(R) = U(24.0) = 1.427562 \times 24.0 = 34.3$

These confidence limits indicate that the chances are 95 out of 100 that the actual death rate for American Indian females aged 10–14 is between 16.2 and 34.3 per 100,000.

Although the calculations are similar, confidence intervals based on small numbers for age-adjusted death rates, infant and maternal mortality rates, and rates that are subject to sampling variability in the denominator are somewhat more complicated (6,79). Refer to the most recent version of the Mortality Technical Appendix for more details (http://www.cdc.gov/nchs/datawh/statab/pubd/ta.htm).

When comparing the difference between two rates, R_1 and R_2 where one or both of the rates are based on fewer than 100 deaths, a comparison of 95-percent confidence intervals may be used as a statistical test. If the 95-percent confidence intervals do not overlap, then the difference can be said to be statistically significant at the 0.05-level. A simple rule of thumb is: if $R_1 > R_2$ then test if $L(R_1) > U(R_2)$ or if $R_2 > R_1$ then test if $L(R_2) > U(R_1)$. Positive tests denote statistical significance at the 0.05-level. For example, suppose that American Indian females aged 10–14 have a death rate (R_1) of 24.0 based on 30 deaths and API females aged 10–14 have a death rate (R_2) of 12.4 per 100,000 based on 55 deaths. The 95-percent confidence limits for R_1 and R_2 calculated using formula 12 would be

$L(R_1) = L(24.0) = 0.674696 \times 24.0 = 16.2$
$U(R_1) = U(24.0) = 1.427562 \times 24.0 = 34.3$

$L(R_2) = L(12.4) = 0.753337 \times 12.4 = 9.3$
$U(R_2) = U(12.4) = 1.301637 \times 12.4 = 16.1$

Because $R_1 > R_2$ and $L(R_1) > U(R_2)$, it can be concluded that the difference between the death rates for American Indian females 10–14 and API females of the same age is statistically significant at the .05-level. That is, taking into account random variability, API females 10–14 have a death rate that is significantly lower than that for American Indian females of the same age.

This test may also be used to perform tests for other statistics when the normal approximation is not appropriate for one or both of the statistics being compared by replacing R_1 and R_2 with D_1 and D_2, R'_1 and R'_2, etc.

Users of the method of comparing confidence intervals should be aware that this method is a conservative test for statistical significance. That is, the difference between two rates may, in fact, be statistically significant even though confidence intervals for the two rates overlap (84). Thus, caution should be observed when interpreting a nonsignificant difference between two rates, especially when the lower and upper limits being compared overlap only slightly.

Derivation of the gamma method—For a random variable X that follows a gamma distribution $\Gamma(y,z)$, where y and z are the parameters that determine the shape of the distribution, $E(X) = yz$ and $Var(X) = yz^2$ (85). For the number of deaths, D, $E(D) = D$ and $Var(D) = D$. It follows that $y = D$ and $z = 1$ and thus,

13. $D \sim \Gamma(D,1)$

From equation 13, it is clear that the shape of the distribution of deaths depends only on the number of deaths.

For the death rate, R, $E(R) = R$ and $Var(R) = D/P^2$. It follows, in this case, that $y = D$ and $z = P^{-1}$ and thus,

14. $R \sim \Gamma(D,P^{-1})$.

Table XIII. Lower and upper 95-percent confidence limit factors for the number of deaths and death rate when the number of deaths is less than 100

Number of deaths (D)	Lower confidence limit (L)	Upper confidence limit (U)	Number of deaths (D)	Lower confidence limit (L)	Upper confidence limit (U)
1	0.025318	5.571643	51	0.744566	1.314815
2	0.121105	3.612344	52	0.746848	1.311367
3	0.206224	2.922424	53	0.749069	1.308025
4	0.272466	2.560397	54	0.751231	1.304783
5	0.324697	2.333666	55	0.753337	1.301637
6	0.366982	2.176579	56	0.755389	1.298583
7	0.402052	2.060382	57	0.757390	1.295616
8	0.431729	1.970399	58	0.759342	1.292732
9	0.457264	1.898311	59	0.761246	1.289927
10	0.479539	1.839036	60	0.763105	1.287198
11	0.499196	1.789276	61	0.764921	1.284542
12	0.516715	1.746799	62	0.766694	1.281955
13	0.532458	1.710030	63	0.768427	1.279434
14	0.546709	1.677830	64	0.770122	1.276978
15	0.559692	1.649348	65	0.771779	1.274582
16	0.571586	1.623937	66	0.773400	1.272245
17	0.582537	1.601097	67	0.774986	1.269965
18	0.592663	1.580431	68	0.776539	1.267738
19	0.602065	1.561624	69	0.778060	1.265564
20	0.610826	1.544419	70	0.779549	1.263440
21	0.619016	1.528606	71	0.781008	1.261364
22	0.626695	1.514012	72	0.782438	1.259335
23	0.633914	1.500491	73	0.783840	1.257350
24	0.640719	1.487921	74	0.785215	1.255408
25	0.647147	1.476197	75	0.786563	1.253509
26	0.653233	1.465232	76	0.787886	1.251649
27	0.659006	1.454947	77	0.789184	1.249828
28	0.664493	1.445278	78	0.790459	1.248045
29	0.669716	1.436167	79	0.791709	1.246298
30	0.674696	1.427562	80	0.792938	1.244587
31	0.679451	1.419420	81	0.794144	1.242909
32	0.683999	1.411702	82	0.795330	1.241264
33	0.688354	1.404372	83	0.796494	1.239650
34	0.692529	1.397400	84	0.797639	1.238068
35	0.696537	1.390758	85	0.798764	1.236515
36	0.700388	1.384422	86	0.799871	1.234992
37	0.704092	1.378368	87	0.800959	1.233496
38	0.707660	1.372578	88	0.802029	1.232028
39	0.711098	1.367033	89	0.803082	1.230586
40	0.714415	1.361716	90	0.804118	1.229170
41	0.717617	1.356613	91	0.805138	1.227778
42	0.720712	1.351709	92	0.806141	1.226411
43	0.723705	1.346993	93	0.807129	1.225068
44	0.726602	1.342453	94	0.808102	1.223747
45	0.729407	1.338079	95	0.809060	1.222448
46	0.732126	1.333860	96	0.810003	1.221171
47	0.734762	1.329788	97	0.810933	1.219915
48	0.737321	1.325855	98	0.811848	1.218680
49	0.739806	1.322053	99	0.812751	1.217464
50	0.742219	1.318375			

A useful property of the gamma distribution is that for $X \sim \Gamma(y,z)$, one can divide X by z such that $X/z \sim \Gamma(y,1)$. This converts the gamma distribution into a simplified, standard form dependent only on parameter y. Expressing equation 14 in its simplified form gives

$$15. \qquad \frac{R}{P^{-1}} = D \sim \Gamma(D,1)$$

From equation 15, it is clear that the shape of the distribution of the death rate is also dependent solely on the number of deaths.

Using the results of equations 13 and 15, one can use the inverse gamma distribution to calculate upper and lower confidence limits. Lower and upper $100(1-\alpha)$ percent confidence limits for the number of deaths, $L(D)$ and $U(D)$, are estimated as

$$16. \qquad L(D) = \Gamma^{-1}{}_{(D,1)}(\alpha/2) \text{ and } U(D) = \Gamma^{-1}{}_{(D+1,1)}(1-\alpha/2)$$

where Γ^{-1} represents the inverse of the gamma distribution and $D+1$ in the formula for $U(D)$ reflects a continuity correction made necessary by the fact that D is a discrete random variable and the gamma distribution is a continuous distribution. For a 95-percent confidence interval, $\alpha = .05$. For the death rate, it can be shown that

$$17. \qquad L(R) = \frac{L(D)}{P} \text{ and } U(R) = \frac{U(D)}{P}$$

For more detail regarding the derivation of the gamma method and its application to age-adjusted death rates and other mortality statistics, see references 6, 79, and 83.

Availability of mortality data

Mortality data are available in publications, unpublished tables, and electronic products as described on the mortality Web site at the following address: http://www.cdc.gov/nchs/about/major/dvs/mortdata.htm. More detailed analysis than provided in this report is possible by using the Mortality public-use data set issued each data year. Since 1991, the data set is available through NCHS in CD-ROM format. Data are also available in *Vital Statistics of the United States: Mortality*; *Vital and Health Statistics*, Series 20 reports; and the *National Vital Statistics Reports* published by NCHS.

Definitions of terms

Infant deaths—Deaths of infants aged under 1 year.

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

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

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

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

Age-adjusted death rate—The death rate used to make comparisons of relative mortality risks across groups and over time. This rate should be viewed as a construct or an index rather than as a 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 (86).

Contents

Abstract . . . 1
Highlights . . . 1
Mortality experience in 2001 . . . 1
Trends . . . 2
Introduction . . . 2
Methods . . . 2
Results and Discussion . . . 3
Deaths and death rates . . . 3
Race . . . 3
Hispanic origin . . . 4
Death rates by age and sex . . . 5
Race . . . 5
Hispanic origin . . . 5
Expectation of life at birth and at specified ages . . . 6
Leading causes of death . . . 7
Injury mortality by mechanism and intent . . . 10
Motor-vehicle traffic . . . 10
Firearm . . . 11
Poisoning . . . 11
Falls . . . 11
Drug-induced mortality . . . 11
Alcohol-induced mortality . . . 11
Marital status . . . 11
Educational attainment . . . 11
Injury at work . . . 12
State of residence . . . 12
Infant mortality . . . 12
Hispanic infant mortality . . . 12
Maternal mortality . . . 13
Hispanic maternal mortality . . . 13
References . . . 14
List of Detailed Tables . . . 16
Technical Notes . . . 100

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