

## Deaths: Leading Causes for 2004

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### Abstract

**Objectives**—This report presents final 2004 data on the 10 leading causes of death in the United States by age, race, sex, and Hispanic origin. Leading causes of infant, neonatal, and postneonatal death are also presented. This report supplements the annual report of final mortality statistics.

**Methods**—Data in this report are based on information from all death certificates filed in the 50 states and the District of Columbia in 2004. Causes of death classified by the *International Classification of Diseases, Tenth Revision* (ICD-10) are ranked according to the number of deaths assigned to rankable causes.

**Results**—In 2004, the 10 leading causes of death were (in rank order) Diseases of heart; Malignant neoplasms; Cerebrovascular diseases; Chronic lower respiratory diseases; Accidents (unintentional injuries); Diabetes mellitus; Alzheimer's disease; Influenza and pneumonia; Nephritis, nephrotic syndrome and nephrosis; and Septicemia and accounted for about 78 percent of all deaths occurring in the United States. Differences in the ranking are evident by age, sex, race, and Hispanic origin. Leading causes of infant death for 2004 were (in rank order) Congenital malformations, deformations and chromosomal abnormalities; Disorders related to short gestation and low birth weight, not elsewhere classified; Sudden infant death syndrome; Newborn affected by maternal complications of pregnancy; Accidents (unintentional injuries); Newborn affected by complications of placenta, cord and membranes; Respiratory distress of newborn; Bacterial sepsis of newborn; Neonatal hemorrhage; and Diseases of the circulatory system. Important variation in the leading causes of infant death is noted for the neonatal and postneonatal periods.

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

### Introduction

Ranking causes of death is a popular method of presenting mortality statistics. Leading cause-of-death data have been published since 1952 (beginning with 1949 mortality data) when official tabulations ranking causes of death were first introduced (1). Users of this

method of presentation should be aware of its inherent limitations. Ranking causes of death is to some extent an arbitrary procedure. The rank order of any particular cause of death will depend on the list of causes from which selection is made and on the rules applied in making the selection. Different cause lists and different ranking rules will typically produce different leading causes of death. Recognizing the need for a consistent ranking procedure to be used by state health departments and the National Office of Vital Statistics, in 1951 the Public Health Conference on Records and Statistics recommended that state and federal agencies responsible for identifying diseases of public health importance adopt a uniform ranking procedure using a standard list of causes of death (2). The procedures implemented in 1952 are essentially the same as those used currently by the Centers for Disease Control and Prevention's National Center for Health Statistics (NCHS); however, the cause-of-death lists have been expanded and altered over time with each subsequent revision of the *International Classification of Diseases* (ICD).

Cause-of-death ranking is a useful tool for illustrating the relative burden of cause-specific mortality. However, it should be used with a clear understanding of what the rankings mean. Literally, the rankings denote the most frequently occurring causes of death among those causes eligible to be ranked. Rankings do not illustrate cause-specific

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mortality risk or absolute burden as depicted by mortality rates. The rank of a specific cause—its mortality burden relative to other causes—may decline over time even if its mortality rate has not changed, or its rank may remain the same over time even if its mortality rate is on the decline.

It is also important to note that rankings do not necessarily denote the causes of death of greatest public health importance. Some causes of death of public health import are excluded from the ranking procedure. For example, Malignant neoplasms of the trachea, bronchus and lung (lung cancer) and Motor vehicle accidents are not rankable causes of death (see **Procedures for ranking causes of death**) though they can be identified using the standard mortality tabulation lists. Were they included in the current rankings, both causes would be placed among the 10 leading causes of death—lung cancer would rank third and Motor vehicle accidents would rank ninth. However, each of these is subsumed in broader rankable categories, namely, Malignant neoplasms and Accidents (unintentional injuries), respectively. Although not perfectly suitable in all circumstances, the current framework provides a rankable list of causes of death that has broad appeal and acceptance in the general public health community.

Another tool used in this report to depict the relative burden of cause-specific mortality is the proportion of total deaths due to a cause. This maps directly to the rankings such that, within a given year or population group, the causes with the highest rankings also have the highest proportion of total deaths. When making comparisons over time, however, it is important to note that the rank of a specific cause may be the same over time even though the proportion of deaths attributable to that cause may have changed. Similarly, two population groups may have the same rank for a specific cause but different attributable proportions.

This report presents final 2004 data on leading causes of death in the United States by age, race, sex, and Hispanic origin. These data accompany the release of final national mortality statistics for 2004, which are presented in a separate report (3). Further age detail beyond that published in this report is provided in tables published on the NCHS website's "Data Warehouse" (<http://www.cdc.gov/nchs>). Also presented in this report is the procedure used by NCHS to rank causes of death along with tables showing causes that are designated as rankable.

## Data and Methods

### Data

Data in this report are based on information from all death certificates filed in the 50 states and the District of Columbia in 2004. Death certificates are generally completed by funeral directors, attending physicians, medical examiners, and coroners. Cause-of-death statistics for 2004 presented in this report are classified in accordance with the ICD-10 (4).

### Procedures for ranking causes of death

The procedures used by NCHS for ranking causes of death are consistent with the recommendations of the 1951 Public Health Conference on Records and Statistics (2). Causes are ranked according to the number of deaths assigned to rankable causes. The number of deaths is used as the ranking criteria because it most

accurately reflects the frequency of cause-specific mortality. Although crude death rates could technically be used as a ranking criteria—the population denominator of the rate is constant across all cause-of-death categories—they are less than ideal. Crude death rates are typically expressed per 100,000 population and are often rounded to one decimal place, reducing the precision of the ranking criteria. This is especially problematic when ranking causes of death for small population subgroups or geographic areas, as it may be impossible to differentiate the ranks for several causes. Age-adjusted death rates should never be used to rank causes of death. The numerical value of the age-adjusted death rate depends on the population age distribution used to standardize the rate (5). Thus, rankings based on age-adjusted death rates will tend to vary depending on which standard is used. For example, when the standard age distribution gives more weight to the older population, the rank of causes of death that primarily affect the older population tends to be higher and the rank of causes that primarily affect the younger population tends to be lower.

The original cause list from which rankable causes of death were selected according to the recommendations of the 1951 conference was the "List of 64 selected causes of death" prepared for use with the Sixth Revision of the ICD (2). With each subsequent revision of the ICD, the cause list from which rankable causes are selected has changed to reflect the improved classification system. Developed for use with ICD-10, the "List of 113 selected causes of death" (6) shown in **Table A** is used to select 50 rankable causes (denoted by the symbol #) from which the leading causes presented in **Tables 1** and **2** are derived.

The selection of the 50 rankable causes from the "List of 113 selected causes of death" was guided by some basic principles. As in the past, vaguely defined categories were summarily excluded from selection as rankable causes. These included the category "Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified" and all categories beginning with the words "other," "all other," "certain other" or "unspecified." Among the remaining cause-of-death categories, decisions were made to select as rankable the causes of death considered most useful from a public health perspective, with the following condition: the rankable causes must be mutually exclusive. If a category representing a subtotal (such as Tuberculosis or Malignant neoplasms) is selected as a rankable cause, its component parts are not selected as rankable. Efforts were also made to maintain historical continuity where possible.

Beginning with 1980 mortality data, NCHS introduced a separate ranking procedure for infant causes of death using a specialized list of infant causes. This was done to include in the rankings causes specific to infancy (especially the perinatal period—the period beginning shortly before and ending shortly after birth) that would otherwise be excluded. The ICD-10 "List of 130 selected causes of infant death" (6) (**Table B**) is used to select 71 rankable causes of infant death from which the rankings in **Tables 3** and **4** are derived. The same principles for selecting the rankable causes from the "List of 113 selected causes of death" guided the selection of rankable causes from the infant cause list.

### Age groupings

Leading causes of death for those 1 year and older are presented in **Tables 1** and **2** for the following age categories: 1-4,

**Table A. List of 113 selected causes of death**[The asterisk (\*) preceding the cause-of-death codes indicates they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Number | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ) |   |
|--------|--|---|
| 1#     | Salmonella infections . . . . .  | (A01–A02)   |
| 2#     | Shigellosis and amebiasis . . . . .  | (A03,A06)   |
| 3      | Certain other intestinal infections . . . . .  | (A04,A07–A09)   |
| #      | Tuberculosis . . . . .   | (A16–A19)   |
| 4      | Respiratory tuberculosis . . . . .   | (A16)   |
| 5      | Other tuberculosis . . . . .   | (A17–A19)   |
| 6#     | Whooping cough . . . . .   | (A37)   |
| 7#     | Scarlet fever and erysipelas . . . . .   | (A38,A46)   |
| 8#     | Meningococcal infection . . . . .  | (A39)   |
| 9#     | Septicemia . . . . .   | (A40–A41)   |
| 10#    | Syphilis . . . . .   | (A50–A53)   |
| 11#    | Acute poliomyelitis . . . . .  | (A80)   |
| 12#    | Arthropod-borne viral encephalitis . . . . .   | (A83–A84,A85.2)   |
| 13#    | Measles . . . . .  | (B05)   |
| 14#    | Viral hepatitis . . . . .  | (B15–B19)   |
| 15#    | Human immunodeficiency virus (HIV) disease . . . . .   | (B20–B24)   |
| 16#    | Malaria . . . . .  | (B50–B54)   |
| 17     | Other and unspecified infectious and parasitic diseases and their sequelae . . . . .                 | (A00,A05,A20–A36,A42–A44,A48–A49,A54–A79,A81–A82,<br>A85.0–A85.1,A85.8,A86–B04,B06–B09,B25–B49,B55–B99) |
| #      | Malignant neoplasms . . . . .  | (C00–C97)   |
| 18     | Malignant neoplasms of lip, oral cavity and pharynx . . . . .  | (C00–C14)   |
| 19     | Malignant neoplasm of esophagus . . . . .  | (C15)   |
| 20     | Malignant neoplasm of stomach . . . . .  | (C16)   |
| 21     | Malignant neoplasms of colon, rectum and anus . . . . .  | (C18–C21)   |
| 22     | Malignant neoplasms of liver and intrahepatic bile ducts . . . . .                                   | (C22)   |
| 23     | Malignant neoplasm of pancreas . . . . .   | (C25)   |
| 24     | Malignant neoplasm of larynx . . . . .   | (C32)   |
| 25     | Malignant neoplasms of trachea, bronchus and lung . . . . .  | (C33–C34)   |
| 26     | Malignant melanoma of skin . . . . .   | (C43)   |
| 27     | Malignant neoplasm of breast . . . . .   | (C50)   |
| 28     | Malignant neoplasm of cervix uteri . . . . .   | (C53)   |
| 29     | Malignant neoplasms of corpus uteri and uterus, part unspecified . . . . .                           | (C54–C55)   |
| 30     | Malignant neoplasm of ovary . . . . .  | (C56)   |
| 31     | Malignant neoplasm of prostate . . . . .   | (C61)   |
| 32     | Malignant neoplasms of kidney and renal pelvis . . . . .   | (C64–C65)   |
| 33     | Malignant neoplasm of bladder . . . . .  | (C67)   |
| 34     | Malignant neoplasms of meninges, brain and other parts of central nervous system . . . . .           | (C70–C72)   |
|        | Malignant neoplasms of lymphoid, hematopoietic and related tissue . . . . .                          | (C81–C96)   |
| 35     | Hodgkin's disease . . . . .  | (C81)   |
| 36     | Non-Hodgkin's lymphoma . . . . .   | (C82–C85)   |
| 37     | Leukemia . . . . .   | (C91–C95)   |
| 38     | Multiple myeloma and immunoproliferative neoplasms . . . . .   | (C88,C90)   |
| 39     | Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue . . . . .    | (C96)   |
| 40     | All other and unspecified malignant neoplasms . . . . .  | (C17,C23–C24,C26–C31,<br>C37–C41,C44–C49,C51–C52,C57–C60,C62–C63,C66,C68–C69,C73–C80,C97)               |
| 41#    | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . .         | (D00–D48)   |
| 42#    | Anemias . . . . .  | (D50–D64)   |
| 43#    | Diabetes mellitus . . . . .  | (E10–E14)   |
| #      | Nutritional deficiencies . . . . .   | (E40–E64)   |
| 44     | Malnutrition . . . . .   | (E40–E46)   |
| 45     | Other nutritional deficiencies . . . . .   | (E50–E64)   |
| 46#    | Meningitis . . . . .   | (G00,G03)   |
| 47#    | Parkinson's disease . . . . .  | (G20–G21)   |
| 48#    | Alzheimer's disease . . . . .  | (G30)   |
| #      | Major cardiovascular diseases . . . . .  | (I00–I78)   |
|        | Diseases of heart . . . . .  | (I00–I09,I11,I13,I20–I51)   |
| 49     | Acute rheumatic fever and chronic rheumatic heart diseases . . . . .                                 | (I00–I09)   |
| 50     | Hypertensive heart disease . . . . .   | (I11)   |
| 51     | Hypertensive heart and renal disease . . . . .   | (I13)   |
|        | Ischemic heart diseases . . . . .  | (I20–I25)   |
| 52     | Acute myocardial infarction . . . . .  | (I21–I22)   |
| 53     | Other acute ischemic heart diseases . . . . .  | (I24)   |
|        | Other forms of chronic ischemic heart disease . . . . .  | (I20,I25)   |
| 54     | Atherosclerotic cardiovascular disease, so described . . . . .                                       | (I25.0)   |
| 55     | All other forms of chronic ischemic heart disease . . . . .  | (I20,I25.1–I25.9)   |
|        | Other heart diseases . . . . .   | (I26–I51)   |
| 56     | Acute and subacute endocarditis . . . . .  | (I33)   |
| 57     | Diseases of pericardium and acute myocarditis . . . . .  | (I30–I31,I40)   |
| 58     | Heart failure . . . . .  | (I50)   |
| 59     | All other forms of heart disease . . . . .   | (I26–I28,I34–I38, I42–I49,I51)  |

See note at end of table.

**Table A. List of 113 selected causes of death—Con.**[The asterisk (\*) preceding the cause-of-death codes indicates they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Number | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> )                               |   |
|--------|--|---|
| 60#    | Essential (primary) hypertension and hypertensive renal disease . . . . .  | (I10,I12)   |
| 61#    | Cerebrovascular diseases . . . . .   | (I60–I69)   |
| 62#    | Atherosclerosis . . . . .  | (I70)   |
|        | Other diseases of circulatory system . . . . .   | (I71–I78)   |
| 63#    | Aortic aneurysm and dissection . . . . .   | (I71)   |
| 64     | Other diseases of arteries, arterioles and capillaries . . . . .   | (I72–I78)   |
| 65     | Other disorders of circulatory system . . . . .  | (I80–I99)   |
| #      | Influenza and pneumonia . . . . .  | (J10–J18)   |
| 66     | Influenza . . . . .  | (J10–J11)   |
| 67     | Pneumonia . . . . .  | (J12–J18)   |
|        | Other acute lower respiratory infections . . . . .   | (J20–J22)   |
| 68#    | Acute bronchitis and bronchiolitis . . . . .   | (J20–J21)   |
| 69     | Unspecified acute lower respiratory infection . . . . .  | (J22)   |
| #      | Chronic lower respiratory diseases . . . . .   | (J40–J47)   |
| 70     | Bronchitis, chronic and unspecified . . . . .  | (J40–J42)   |
| 71     | Emphysema . . . . .  | (J43)   |
| 72     | Asthma . . . . .   | (J45–J46)   |
| 73     | Other chronic lower respiratory diseases . . . . .   | (J44,J47)   |
| 74#    | Pneumoconioses and chemical effects . . . . .  | (J60–J66,J68)   |
| 75#    | Pneumonitis due to solids and liquids . . . . .  | (J69)   |
| 76     | Other diseases of respiratory system . . . . .   | (J00–J06,J30–J39,J67,J70–J98)   |
| 77#    | Peptic ulcer . . . . .   | (K25–K28)   |
| 78#    | Diseases of appendix . . . . .   | (K35–K38)   |
| 79#    | Hernia . . . . .   | (K40–K46)   |
| #      | Chronic liver disease and cirrhosis . . . . .  | (K70,K73–K74)   |
| 80     | Alcoholic liver disease . . . . .  | (K70)   |
| 81     | Other chronic liver disease and cirrhosis . . . . .  | (K73–K74)   |
| 82#    | Cholelithiasis and other disorders of gallbladder . . . . .  | (K80–K82)   |
| #      | Nephritis, nephrotic syndrome and nephrosis . . . . .  | (N00–N07,N17–N19,N25–N27)   |
| 83     | Acute and rapidly progressive nephritic and nephrotic syndrome . . . . .   | (N00–N01,N04)   |
| 84     | Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified . . . . . | (N02–N03, N05–N07,N26)  |
| 85     | Renal failure . . . . .  | (N17–N19)   |
| 86     | Other disorders of kidney . . . . .  | (N25,N27)   |
| 87#    | Infections of kidney . . . . .   | (N10–N12,N13.6,N15.1)   |
| 88#    | Hyperplasia of prostate . . . . .  | (N40)   |
| 89#    | Inflammatory diseases of female pelvic organs . . . . .  | (N70–N76)   |
| #      | Pregnancy, childbirth and the puerperium . . . . .   | (O00–O99)   |
| 90     | Pregnancy with abortive outcome . . . . .  | (O00–O07)   |
| 91     | Other complications of pregnancy, childbirth and the puerperium . . . . .  | (O10–O99)   |
| 92#    | Certain conditions originating in the perinatal period . . . . .   | (P00–P96)   |
| 93#    | Congenital malformations, deformations and chromosomal abnormalities . . . . .   | (Q00–Q99)   |
| 94     | Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified . . . . .                                  | (R00–R99)   |
| 95     | All other diseases . . . . .   | (Residual)  |
| #      | Accidents (unintentional injuries) . . . . .   | (V01–X59,Y85–Y86)   |
|        | Transport accidents . . . . .  | (V01–V99,Y85)   |
| 96     | 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,<br>V82.0–V82.1,V83–V86,V87.0–V87.8,V88.0–V88.8,V89.0,V89.2)    |
| 97     | Other land transport accidents . . . . .   | (V01,V05–V06,V09.1, V09.3–V09.9,V10–V11,V15–V18,V19.3,V19.8–V19.9,<br>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) |
| 98     | Water, air and space, and other and unspecified transport accidents and their sequelae . . . . .                                   | (V90–V99,Y85)   |
|        | Nontransport accidents . . . . .   | (W00–X59,Y86)   |
| 99     | Falls . . . . .  | (W00–W19)   |
| 100    | Accidental discharge of firearms . . . . .   | (W32–W34)   |
| 101    | Accidental drowning and submersion . . . . .   | (W65–W74)   |
| 102    | Accidental exposure to smoke, fire and flames . . . . .  | (X00–X09)   |
| 103    | Accidental poisoning and exposure to noxious substances . . . . .  | (X40–X49)   |
| 104    | Other and unspecified nontransport accidents and their sequelae . . . . .  | (W20–W31,W35–W64,W75–W99,X10–X39,X50–X59,Y86)   |
| #      | Intentional self-harm (suicide) . . . . .  | (*U03,X60–X84,Y87.0)  |
| 105    | Intentional self-harm (suicide) by discharge of firearms . . . . .   | (X72–X74)   |
| 106    | Intentional self-harm (suicide) by other and unspecified means and their sequelae . . . . .  | (*U03,X60–X71,X75–X84,Y87.0)  |
| #      | Assault (homicide) . . . . .   | (*U01–*U02,X85–Y09,Y87.1)   |
| 107    | Assault (homicide) by discharge of firearms . . . . .  | (*U01.4,X93–X95)  |
| 108    | 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)  |
| 109#   | Legal intervention . . . . .   | (Y35,Y89.0)   |
|        | Events of undetermined intent . . . . .  | (Y10–Y34,Y87.2,Y89.9)   |
| 110    | Discharge of firearms, undetermined intent . . . . .   | (Y22–Y24)   |
| 111    | Other and unspecified events of undetermined intent and their sequelae . . . . .   | (Y10–Y21,Y25–Y34,Y87.2,Y89.9)   |
| 112#   | Operations of war and their sequelae . . . . .   | (Y36,Y89.1)   |
| 113#   | Complications of medical and surgical care . . . . .   | (Y40–Y84,Y88)   |

NOTE: The causes designated by # are ranked to determine leading causes of death for specified population groups.

**Table B. List of 130 selected causes of infant death**[The asterisk (\*) preceding the cause-of-death codes indicates they are not part of the *International Classification of Diseases, Tenth Revision*, (ICD-10); see "Technical Notes"]

| Number | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision</i> , 1992)          |   |
|--------|---|---|
|        | Certain infectious and parasitic diseases . . . . .   | (A00–B99)   |
| 1      | Certain intestinal infectious diseases . . . . .  | (A00–A08)   |
| 2#     | Diarrhea and gastroenteritis of infectious origin . . . . .   | (A09)   |
| 3#     | Tuberculosis . . . . .  | (A16–A19)   |
| 4#     | Tetanus . . . . .   | (A33,A35)   |
| 5#     | Diphtheria . . . . .  | (A36)   |
| 6#     | Whooping cough . . . . .  | (A37)   |
| 7#     | Meningococcal infection . . . . .   | (A39)   |
| 8#     | Septicemia . . . . .  | (A40–A41)   |
| 9#     | Congenital syphilis . . . . .   | (A50)   |
| 10#    | Gonococcal infection . . . . .  | (A54)   |
|        | Viral diseases . . . . .  | (A80–B34)   |
| 11#    | Acute poliomyelitis . . . . .   | (A80)   |
| 12#    | Varicella (chickenpox) . . . . .  | (B01)   |
| 13#    | Measles . . . . .   | (B05)   |
| 14#    | Human immunodeficiency virus (HIV) disease . . . . .  | (B20–B24)   |
| 15#    | Mumps . . . . .   | (B26)   |
| 16     | Other and unspecified viral diseases . . . . .  | (A81–B00,B02–B04, B06–B19,B25,B27–B34)                                |
| 17#    | Candidiasis . . . . .   | (B37)   |
| 18#    | Malaria . . . . .   | (B50–B54)   |
| 19#    | Pneumocystosis . . . . .  | (B59)   |
| 20     | 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) |
|        | Neoplasms . . . . .   | (C00–D48)   |
| #      | Malignant neoplasms . . . . .   | (C00–C97)   |
| 21     | Hodgkin's disease and non-Hodgkin's lymphomas . . . . .   | (C81–C85)   |
| 22     | Leukemia . . . . .  | (C91–C95)   |
| 23     | Other and unspecified malignant neoplasms . . . . .   | (C00–C80,C88,C90,C96–C97)   |
| 24#    | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . .                  | (D00–D48)   |
| #      | Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism . . . . . | (D50–D89)   |
| 25     | Anemias . . . . .   | (D50–D64)   |
| 26     | Hemorrhagic conditions and other diseases of blood and blood-forming organs . . . . .                         | (D65–D76)   |
| 27     | Certain disorders involving the immune mechanism . . . . .  | (D80–D89)   |
|        | Endocrine, nutritional and metabolic diseases . . . . .   | (E00–E88)   |
| 28#    | Short stature, not elsewhere classified . . . . .   | (E34.3)   |
| 29#    | Nutritional deficiencies . . . . .  | (E40–E64)   |
| 30#    | Cystic fibrosis . . . . .   | (E84)   |
| 31#    | Volume depletion, disorders of fluid, electrolyte and acid-base balance . . . . .                             | (E86–E87)   |
| 32     | All other endocrine, nutritional and metabolic diseases . . . . .   | (E00–E32, E34.0–E34.2,E34.4–E34.9,E65–E83,E85,E88)                    |
|        | Diseases of the nervous system . . . . .  | (G00–G98)   |
| 33#    | Meningitis . . . . .  | (G00,G03)   |
| 34#    | Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) . . . . .   | (G12.0)   |
| 35#    | Infantile cerebral palsy . . . . .  | (G80)   |
| 36#    | Anoxic brain damage, not elsewhere classified . . . . .   | (G93.1)   |
| 37     | Other diseases of nervous system . . . . .  | (G04,G06–G11,G12.1–G12.9,G20–G72, G81–G92,G93.0,G93.2–G93.9,G95–G98)  |
| 38#    | Diseases of the ear and mastoid process . . . . .   | (H60–H93)   |
| #      | Diseases of the circulatory system . . . . .  | (I00–I99)   |
| 39     | Pulmonary heart disease and diseases of pulmonary circulation . . . . .                                       | (I26–I28)   |
| 40     | Pericarditis, endocarditis and myocarditis . . . . .  | (I30,I33,I40)   |
| 41     | Cardiomyopathy . . . . .  | (I42)   |
| 42     | Cardiac arrest . . . . .  | (I46)   |
| 43     | Cerebrovascular diseases . . . . .  | (I60–I69)   |
| 44     | All other diseases of circulatory system . . . . .  | (I00–I25,I31,I34–I38,I44–I45, I47–I51,I70–I99)                        |
|        | Diseases of the respiratory system . . . . .  | (J00–J98)   |
| 45#    | Acute upper respiratory infections . . . . .  | (J00–J06)   |
| #      | Influenza and pneumonia . . . . .   | (J10–J18)   |
| 46     | Influenza . . . . .   | (J10–J11)   |
| 47     | Pneumonia . . . . .   | (J12–J18)   |
| 48#    | Acute bronchitis and acute bronchiolitis . . . . .  | (J20–J21)   |
| 49#    | Bronchitis, chronic and unspecified . . . . .   | (J40–J42)   |
| 50#    | Asthma . . . . .  | (J45–J46)   |
| 51#    | Pneumonitis due to solids and liquids . . . . .   | (J69)   |
| 52     | Other and unspecified diseases of respiratory system . . . . .  | (J22,J30–J39, J43–J44,J47–J68,J70–J98)                                |
|        | Diseases of the digestive system . . . . .  | (K00–K92)   |
| 53#    | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . .                                       | (K29,K50–K55)   |
| 54#    | Hernia of abdominal cavity and intestinal obstruction without hernia . . . . .                                | (K40–K46,K56)   |
| 55     | All other and unspecified diseases of digestive system . . . . .  | (K00–K28, K30–K38,K57–K92)  |
|        | Diseases of the genitourinary system . . . . .  | (N00–N95)   |
| 56#    | Renal failure and other disorders of kidney . . . . .   | (N17–N19,N25,N27)   |
| 57     | Other and unspecified diseases of genitourinary system . . . . .  | (N00–N15, N20–N23,N26,N28–N95)  |

See note at end of table.



**Table B. List of 130 selected causes of infant death**[The asterisk (\*) preceding the cause-of-death codes indicates they are not part of the *International Classification of Diseases, Tenth Revision*, (ICD-10); see "Technical Notes"]

| Number | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision</i> , 1992)    |   |
|--------|---|---|
|        | Certain conditions originating in the perinatal period . . . . .  | (P00–P96)   |
|        | Newborn affected by maternal factors and by complications of pregnancy, labor and delivery . . . . .    | (P00–P04)   |
| 58#    | Newborn affected by maternal hypertensive disorders . . . . .   | (P00.0)   |
| 59#    | Newborn affected by other maternal conditions which may be unrelated to present pregnancy . . . . .     | (P00.1–P00.9)   |
| #      | Newborn affected by maternal complications of pregnancy . . . . .                                       | (P01)   |
| 60     | Newborn affected by incompetent cervix . . . . .  | (P01.0)   |
| 61     | Newborn affected by premature rupture of membranes . . . . .  | (P01.1)   |
| 62     | Newborn affected by multiple pregnancy . . . . .  | (P01.5)   |
| 63     | Newborn affected by other maternal complications of pregnancy . . . . .                                 | (P01.2–P01.4, P01.6–P01.9)  |
| #      | Newborn affected by complications of placenta, cord and membranes . . . . .                             | (P02)   |
| 64     | Newborn affected by complications involving placenta . . . . .  | (P02.0–P02.3)   |
| 65     | Newborn affected by complications involving cord . . . . .  | (P02.4–P02.6)   |
| 66     | Newborn affected by chorioamnionitis . . . . .  | (P02.7)   |
| 67     | Newborn affected by other and unspecified abnormalities of membranes . . . . .                          | (P02.8–P02.9)   |
| 68#    | Newborn affected by other complications of labor and delivery . . . . .                                 | (P03)   |
| 69#    | Newborn affected by noxious influences transmitted via placenta or breast milk . . . . .                | (P04)   |
|        | Disorders related to length of gestation and fetal malnutrition . . . . .                               | (P05–P08)   |
| 70#    | Slow fetal growth and fetal malnutrition . . . . .  | (P05)   |
| #      | Disorders related to short gestation and low birth weight, not elsewhere classified . . . . .           | (P07)   |
| 71     | Extremely low birth weight or extreme immaturity . . . . .  | (P07.0, P07.2)  |
| 72     | Other low birth weight or preterm . . . . .   | (P07.1, P07.3)  |
| 73#    | Disorders related to long gestation and high birth weight . . . . .                                     | (P08)   |
| 74#    | Birth trauma . . . . .  | (P10–P15)   |
| #      | Intrauterine hypoxia and birth asphyxia . . . . .   | (P20–P21)   |
| 75     | Intrauterine hypoxia . . . . .  | (P20)   |
| 76     | Birth asphyxia . . . . .  | (P21)   |
| 77#    | Respiratory distress of newborn . . . . .   | (P22)   |
|        | Other respiratory conditions originating in the perinatal period . . . . .                              | (P23–P28)   |
| 78#    | Congenital pneumonia . . . . .  | (P23)   |
| 79#    | Neonatal aspiration syndromes . . . . .   | (P24)   |
| 80#    | Interstitial emphysema and related conditions originating in the perinatal period . . . . .             | (P25)   |
| 81#    | Pulmonary hemorrhage originating in the perinatal period . . . . .                                      | (P26)   |
| 82#    | Chronic respiratory disease originating in the perinatal period . . . . .                               | (P27)   |
| 83#    | Atelectasis . . . . .   | (P28.0–P28.1)   |
| 84     | All other respiratory conditions originating in the perinatal period . . . . .                          | (P28.2–P28.9)   |
|        | Infections specific to the perinatal period . . . . .   | (P35–P39)   |
| 85#    | Bacterial sepsis of newborn . . . . .   | (P36)   |
| 86#    | Omphalitis of newborn with or without mild hemorrhage . . . . .   | (P38)   |
| 87     | All other infections specific to the perinatal period . . . . .   | (P35, P37, P39)   |
|        | Hemorrhagic and hematological disorders of newborn . . . . .  | (P50–P61)   |
| 88#    | Neonatal hemorrhage . . . . .   | (P50–P52, P54)  |
| 89#    | Hemorrhagic disease of newborn . . . . .  | (P53)   |
| 90#    | Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice . . . . .              | (P55–P59)   |
| 91#    | Hematological disorders . . . . .   | (P60–P61)   |
| 92#    | Syndrome of infant of a diabetic mother and neonatal diabetes mellitus . . . . .                        | (P70.0–P70.2)   |
| 93#    | Necrotizing enterocolitis of newborn . . . . .  | (P77)   |
| 94#    | Hydrops fetalis not due to hemolytic disease . . . . .  | (P83.2)   |
| 95     | Other perinatal conditions . . . . .  | (P29, P70.3–P70.9, P71–P76, P78–P81, P83.0–P83.1, P83.3–P83.9, P90–P96) |
| #      | Congenital malformations, deformations and chromosomal abnormalities . . . . .                          | (Q00–Q99)   |
| 96     | Anencephaly and similar malformations . . . . .   | (Q00)   |
| 97     | Congenital hydrocephalus . . . . .  | (Q03)   |
| 98     | Spina bifida . . . . .  | (Q05)   |
| 99     | Other congenital malformations of nervous system . . . . .  | (Q01–Q02, Q04, Q06–Q07)   |
| 100    | Congenital malformations of heart . . . . .   | (Q20–Q24)   |
| 101    | Other congenital malformations of circulatory system . . . . .  | (Q25–Q28)   |
| 102    | Congenital malformations of respiratory system . . . . .  | (Q30–Q34)   |
| 103    | Congenital malformations of digestive system . . . . .  | (Q35–Q45)   |
| 104    | Congenital malformations of genitourinary system . . . . .  | (Q50–Q64)   |
| 105    | Congenital malformations and deformations of musculoskeletal system, limbs and integument . . . . .     | (Q65–Q85)   |
| 106    | Down's syndrome . . . . .   | (Q90)   |
| 107    | Edward's syndrome . . . . .   | (Q91.0–Q91.3)   |
| 108    | Patau's syndrome . . . . .  | (Q91.4–Q91.7)   |
| 109    | Other congenital malformations and deformations . . . . .   | (Q10–Q18, Q86–Q89)  |
| 110    | Other chromosomal abnormalities, not elsewhere classified . . . . .                                     | (Q92–Q99)   |
|        | Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified . . . . .       | (R00–R99)   |
| 111#   | Sudden infant death syndrome . . . . .  | (R95)   |
| 112    | Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified . . . . . | (R00–R53, R55–R94, R96–R99)   |
| 113    | All other diseases . . . . .  | (Residual) (F01–F99, H00–H57, L00–M99)                                  |

See note at end of table.

**Table B. List of 130 selected causes of infant death**[The asterisk (\*) preceding the cause-of-death codes indicates they are not part of the *International Classification of Diseases, Tenth Revision*, (ICD-10); see "Technical Notes"]

| Number | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision</i> , 1992)   |
|--------|--|
|        | External causes of mortality . . . . . (*U01,V01–Y84)  |
| #      | Accidents (unintentional injuries) . . . . . (V01–X59)   |
|        | Transport accidents . . . . . (V01–V99)  |
| 114    | 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)                              |
| 115    | 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) |
| 116    | Falls . . . . . (W00–W19)  |
| 117    | Accidental discharge of firearms . . . . . (W32–W34)   |
| 118    | Accidental drowning and submersion . . . . . (W65–W74)   |
| 119    | Accidental suffocation and strangulation in bed . . . . . (W75)  |
| 120    | Other accidental suffocation and strangulation . . . . . (W76–W77,W81–W84)   |
| 121    | Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract . . . . . (W78–W80)  |
| 122    | Accidents caused by exposure to smoke, fire and flames . . . . . (X00–X09)   |
| 123    | Accidental poisoning and exposure to noxious substances . . . . . (X40–X49)  |
| 124    | Other and unspecified accidents . . . . . (W20–W31,W35–W64,W85–W99,X10–X39, X50–X59)   |
| #      | Assault (homicide) . . . . . (*U01,X85–Y09)  |
| 125    | Assault (homicide) by hanging, strangulation and suffocation . . . . . (X91)   |
| 126    | Assault (homicide) by discharge of firearms . . . . . (*U01.4,X93–X95)   |
| 127    | Neglect, abandonment and other maltreatment syndromes . . . . . (Y06–Y07)  |
| 128    | Assault (homicide) by other and unspecified means . . . . . (*U01.0–*U01.3, *U01.5–*U01.9,X85–X90,X92,X96–Y05,Y08–Y09)   |
| 129#   | Complications of medical and surgical care . . . . . (Y40–Y84)   |
| 130    | Other external causes . . . . . (X60–X84,Y10–Y36)  |

NOTE: The causes designated by # are ranked to determine leading causes of infant death for specified population groups.

5–9, 10–14, 15–19, 20–24, 25–34, 35–44, 45–54, 55–64, 65 years and over, 65–74, 75–84, and 85 years and over. This set of age categories responds to an increasing number of requests from data users for more age detail and represent a substantial expansion from the age categories previously used in these tables to present leading-cause data (1–4, 5–14, 15–24, 25–44, 45–64, 65 years and over) (7). Leading causes by further age detail along with the previously used age categories are published on the NCHS web-site (<http://www.cdc.gov/nchs>). Tables 3 and 4, which present data for infants (under 1 year), also show leading causes of death for the age subcategories neonatal (under 28 days) and postneonatal (28 days to 11 months).

The age grouping used when ranking causes of death can have an impact on the rankings assigned to any particular age (8). For example, in 2004, the rankings for the 10 leading causes of death for a 45-year-old male were slightly different depending on whether the ranking was based on the age group 45–49 or 45–54 years. To illustrate, the category Chronic lower respiratory diseases (CLRD) was not ranked among the 10 leading causes for 45–49 year-old men, but was ranked ninth for men 45–54 years old. Assault (homicide) was ranked ninth for men 45–49, but was not ranked in the top 10 for men 45–54 years. Each aggregation of age resulted in a different understanding of the relative importance of CLRD and homicide for those at or near age 45.

## Results

In 2004, the 10 leading causes of death accounted for about 78 percent of all deaths occurring in the United States. The rank order remained unchanged from 2003 with two exceptions: Alzheimer's disease (ranked eighth in 2003) and Influenza and pneumonia (ranked seventh in 2003) switched ranks in 2004 (Table C).

Between 2003 and 2004, the number of deaths due to Alzheimer's disease, Accidents (unintentional injuries), and Nephritis, nephrotic syndrome and nephrosis (kidney disease) increased by 4.0 percent, 2.5 percent, and 0.1 percent, respectively (Table C). The number of deaths for each of the other leading causes decreased during this period. The largest reductions were observed for Influenza and pneumonia (8.4 percent), Diseases of heart (heart disease) (4.8 percent), and Cerebrovascular diseases (stroke) (4.8 percent).

The top two causes, heart disease and Malignant neoplasms (cancer), accounted for roughly one-half of all deaths in 2004. This represents continued improvement since 1980—when both accounted for about 59 percent of all deaths—largely due to the declining relative burden of heart-disease mortality (Figure 1). Stroke ranked third in 2004, followed by CLRD and unintentional injuries, which ranked fourth and fifth, respectively. Despite an overall decline over time in the proportion of deaths due to stroke, this cause has maintained the same rank since the 1950s when official statistics on leading causes of death were first published using standard rules (1,9–14). The proportion of deaths due to CLRD rose between 1980 and 2004 while that due to unintentional injuries declined during the 1980s, hovered around 4 percent in the 1990s, then incrementally trended upwards since 2001. These top five causes accounted for about 66 percent of all deaths in 2004, down from 76 percent in 1980. Rounding out the top 10 for 2004 were Diabetes mellitus (diabetes) (6th), Alzheimer's disease (7th), Influenza and pneumonia (8th), kidney disease (9th), and Septicemia (10th).

## Sex differences

Table D contrasts leading causes of death for males and females in 2004. There was some similarity in the ranking of certain causes of death. Heart disease and cancer ranked as the first and second leading causes of death, respectively, for both men and

**Table C. Deaths and percentage of total deaths for the 10 leading causes of death: United States, 2003–2004**

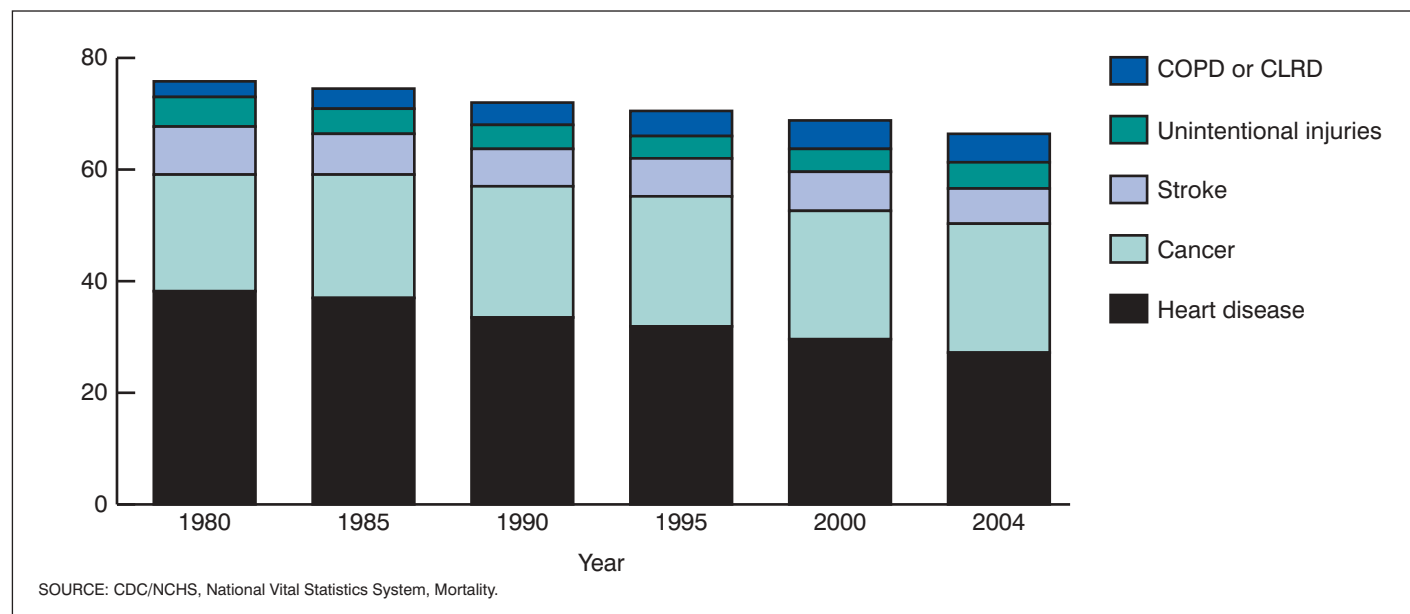
| Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ) | Rank <sup>1</sup> | 2004      |                         | 2003      |                         |
|--|-------------------|-----------|-------------------------|-----------|-------------------------|
|  |                   | Deaths    | Percent of total deaths | Deaths    | Percent of total deaths |
| All causes . . . . .   | ...               | 2,397,615 | 100.0                   | 2,448,288 | 100.0                   |
| Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 1                 | 652,486   | 27.2                    | 685,089   | 28.0                    |
| Malignant neoplasms . . . . . (C00–C97)  | 2                 | 553,888   | 23.1                    | 556,902   | 22.7                    |
| Cerebrovascular diseases . . . . . (I60–I69)   | 3                 | 150,074   | 6.3                     | 157,689   | 6.4                     |
| Chronic lower respiratory diseases . . . . . (J40–J47)   | 4                 | 121,987   | 5.1                     | 126,382   | 5.2                     |
| Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)                                       | 5                 | 112,012   | 4.7                     | 109,277   | 4.5                     |
| Diabetes mellitus . . . . . (E10–E14)  | 6                 | 73,138    | 3.1                     | 74,219    | 3.0                     |
| Alzheimer's disease . . . . . (G30)  | 7                 | 65,965    | 2.8                     | 63,457    | 2.6                     |
| Influenza and pneumonia . . . . . (J10–J18)  | 8                 | 59,664    | 2.5                     | 65,163    | 2.7                     |
| Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)                      | 9                 | 42,480    | 1.8                     | 42,453    | 1.7                     |
| Septicemia . . . . . (A40–A41)   | 10                | 33,373    | 1.4                     | 34,069    | 1.4                     |

... Category not applicable.  
<sup>1</sup>Rank based on number of deaths.

women. Over time, both groups have experienced a decline in the proportion of deaths due to heart disease (Figures 2 and 3). In 1980, compared with men, women initially had a slightly higher proportion of deaths due to heart disease despite the identical ranking. By 2004, both groups had the same relative burden of heart disease, 27 percent (a slightly lower proportion each than in 2003). In contrast, since the 1980s, men have persistently had a higher relative burden of cancer mortality than women despite the identical ranking for both groups. In 2004, the proportion of deaths due to cancer was 24 percent for men compared with 22 percent for women (Table D). Another cause with an identical rank for both sexes in 2004 was kidney disease, the ninth leading cause.

Men and women diverge on the ranking of other causes of death. In 2004, unintentional injuries were the third leading cause of death for males but the sixth for females. Although the proportion of deaths due to unintentional injuries declined overall for both groups between 1980 and 2004, the relative burden of mortality from this cause is typically

higher for men than women (Figures 2 and 3). During this period, unintentional injuries remained entrenched in the top four causes of death for men, but among women it gradually moved down in rank and dropped out of the top five in 1987 (9). However, there has been an upward trend in the proportion of deaths due to unintentional injuries among men since 2001 and among women since 2002 (12–14). This cause moved up one rank among women between 2003 and 2004 (from seventh to sixth). Stroke, CLRD, diabetes, and Influenza and pneumonia ranked fourth, fifth, sixth, and seventh, respectively, for males in 2004 but ranked third, fourth, seventh, and eighth, respectively, for females. Between 2003 and 2004, diabetes dropped in rank from sixth to seventh among women. The burden of mortality from diabetes, relative to other causes, has typically been higher for women than men (9–14). Influenza and pneumonia dropped out of the top five causes of death for women in 1999, the same year as the ICD–9 to ICD–10 conversion—which had the result of decreasing the number of deaths for which pneumonia was selected as the underlying cause of



**Figure 1. Percentage of total deaths for the top five causes of death among all races: 1980–2004**



**Table D. Deaths and percentage of total deaths for the 10 leading causes of death, by sex: United States, 2004**[The asterisk (\*) preceding cause-of-death codes indicates they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ) | Males               |           |                         | Females             |           |                         |
|--|---------------------|-----------|-------------------------|---------------------|-----------|-------------------------|
|  | Rank <sup>1,2</sup> | Deaths    | Percent of total deaths | Rank <sup>1,2</sup> | Deaths    | Percent of total deaths |
| All causes . . . . .   | ...                 | 1,181,668 | 100.0                   | ...                 | 1,215,947 | 100.0                   |
| Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 1                   | 321,973   | 27.2                    | 1                   | 330,513   | 27.2                    |
| Malignant neoplasms . . . . . (C00–C97)  | 2                   | 286,830   | 24.3                    | 2                   | 267,058   | 22.0                    |
| Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)                                       | 3                   | 72,050    | 6.1                     | 6                   | 39,962    | 3.3                     |
| Cerebrovascular diseases . . . . . (I60–I69)   | 4                   | 58,800    | 5.0                     | 3                   | 91,274    | 7.5                     |
| Chronic lower respiratory diseases . . . . . (J40–J47)   | 5                   | 58,646    | 5.0                     | 4                   | 63,341    | 5.2                     |
| Diabetes mellitus . . . . . (E10–E14)  | 6                   | 35,267    | 3.0                     | 7                   | 37,871    | 3.1                     |
| Influenza and pneumonia . . . . . (J10–J18)  | 7                   | 26,861    | 2.3                     | 8                   | 32,803    | 2.7                     |
| Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)                                       | 8                   | 25,566    | 2.2                     | 16                  | 6,873     | 0.6                     |
| Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)                      | 9                   | 20,370    | 1.7                     | 9                   | 22,110    | 1.8                     |
| Alzheimer's disease . . . . . (G30)  | 10                  | 18,974    | 1.6                     | 5                   | 46,991    | 3.9                     |
| Septicemia . . . . . (A40–A41)   | 12                  | 15,011    | 1.3                     | 10                  | 18,362    | 1.5                     |

... Category not applicable.

<sup>1</sup>Rank based on number of deaths.<sup>2</sup>Ranks above 10 are provided for informational purposes when a cause is among the top 10 for one of the groups being compared.

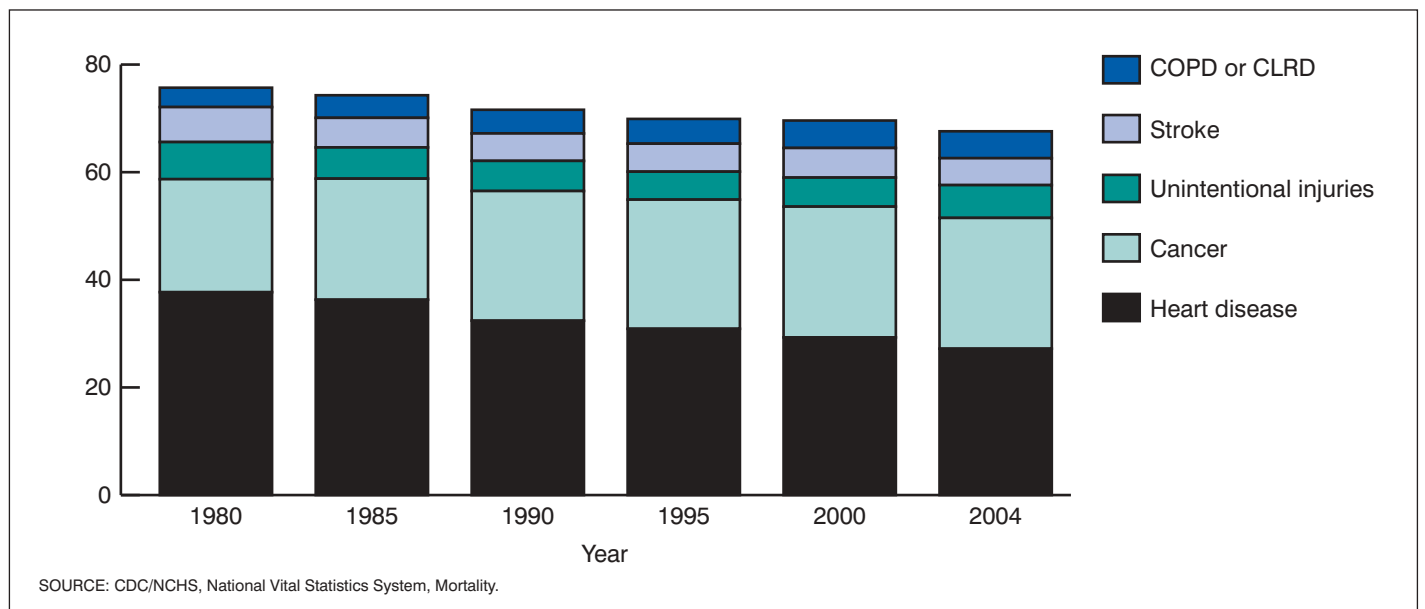
death (9,10). Intentional self-harm (suicide) ranked eighth for males, but was not ranked among the 10 leading causes for females. Similarly, Septicemia ranked 10th for females but was not ranked among the top 10 for males. Alzheimer's disease ranked 10th for males but 5th for females. This cause, which has accounted for an increasing number of deaths over time, made its debut into the top 10 causes for women in 1994, moving into the top 5 in 2002 (9–13).

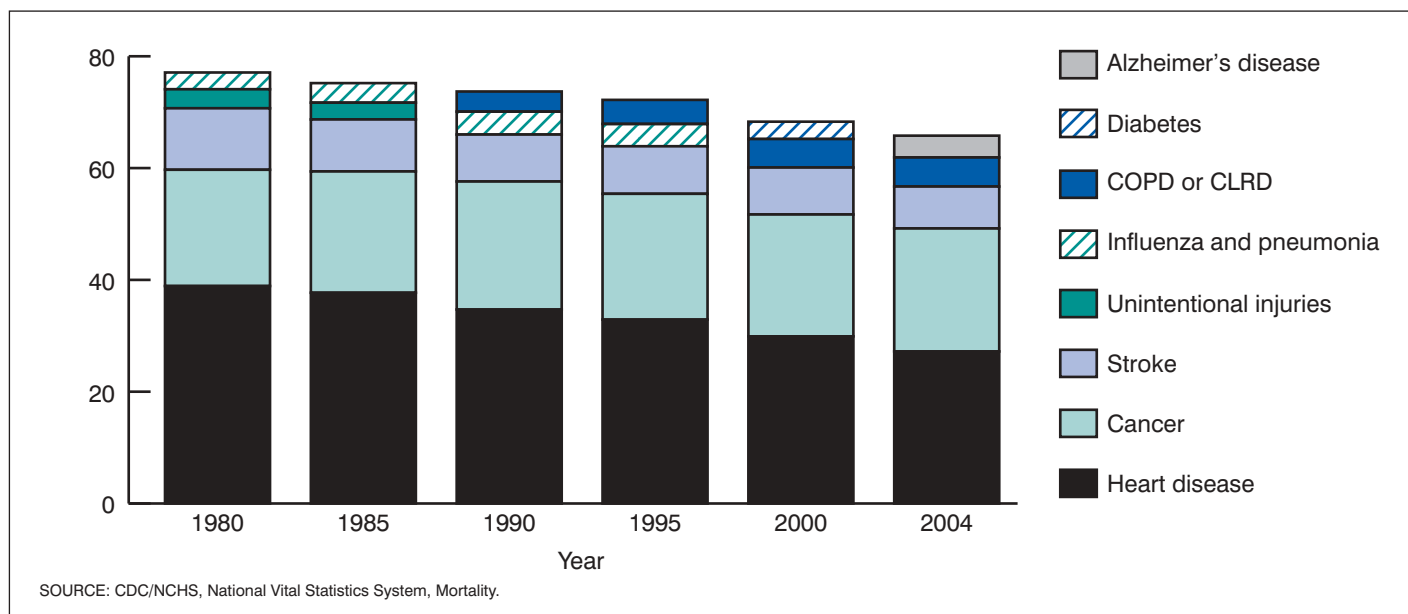
## Age differences

In 2004, the leading causes of death varied substantially by age (Table 1). However, there were some general similarities by broad age group in the pattern of leading causes. For the population aged 1 to 44, the leading cause of death was unintentional injuries.

Homicide and suicide were also important causes of death in this broad age category: homicide was consistently one of the top five causes of death in the population aged 1–34 years and suicide was a top five killer in the 10–44 age group. The proportion of deaths due to unintentional injuries, homicide, and suicide combined ranged from 31 percent to 76 percent in the age groups among those 1–44 years. Cancer, heart disease, Congenital malformations, deformations and chromosomal abnormalities, Human immunodeficiency virus disease (HIV disease), stroke, and Influenza and pneumonia were also consistently ranked among the 10 leading causes for the population aged 1–44 years.

For the population aged 45 years and over, chronic diseases accounted for far more deaths than other causes. Cancer and heart

**Figure 2. Percentage of total deaths for the top five causes of death among males: 1980–2004**

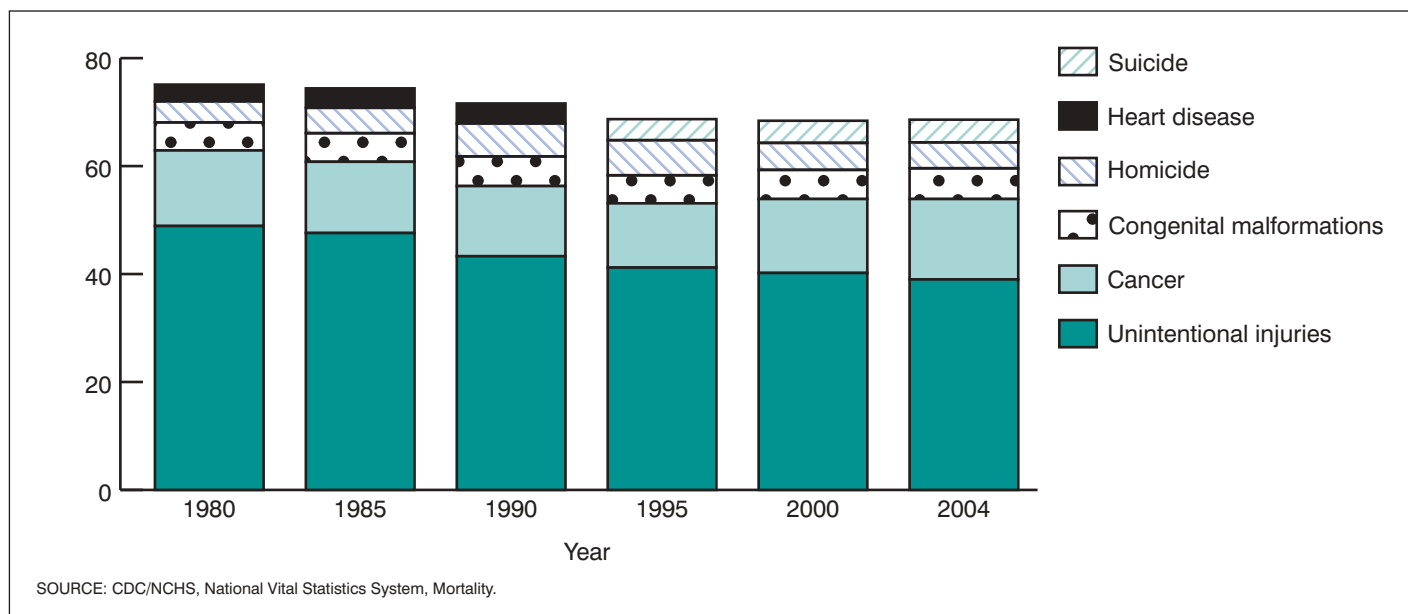


**Figure 3. Percentage of total deaths for the top five causes of death among females: 1980–2004**

disease were the first and second leading causes respectively for the population aged 45–74 years whereas for those aged 75 and over, heart disease was the leading cause, with cancer second. The proportion of deaths due to these two causes ranged from 47 percent to 61 percent in the age groups among those 45 years and over. Other leading causes prevalent among the 45 and over age groups were CLRD, stroke, diabetes, Septicemia, Chronic liver disease and cirrhosis, kidney disease, unintentional injuries, Alzheimer’s disease, and Influenza and pneumonia.

The pattern of change over time in the proportion of deaths due to specific causes varies by age. For illustrative purposes, Figures 4–6 contrast the mortality experiences over time in the top five causes of death for three broad age groups: 5–14, 25–44, and 65 years and over. The leading cause of death for the population aged 5–14 years and

the population aged 25–44 years is unintentional injuries. However, the relative burden of mortality from unintentional injuries is far greater in the population aged 5–14 years than in the population aged 25–44 years. The pattern of change in the relative burden of unintentional injuries is also different for these two populations. Between 1980 and 2004, in the population aged 5–14 years, the proportion of deaths due to unintentional injuries declined from 49 percent to 39 percent. However, for the population aged 25–44 years, the proportion of deaths due to unintentional injuries trended downward from 25 percent in 1980 to 17 percent in 1994–1995, only to start trending upwards in 1996 (7,10–20). In 2004, this cause accounted for 23 percent of deaths in the 25–44 year age group, only slightly lower than the relative burden in 1980. Unintentional injuries was not among the top five causes of death for the population aged 65 years and over between 1980 and



**Figure 4. Percentage of total deaths for the top five causes of death among all races, 5 to 14 years of age: 1980–2004**

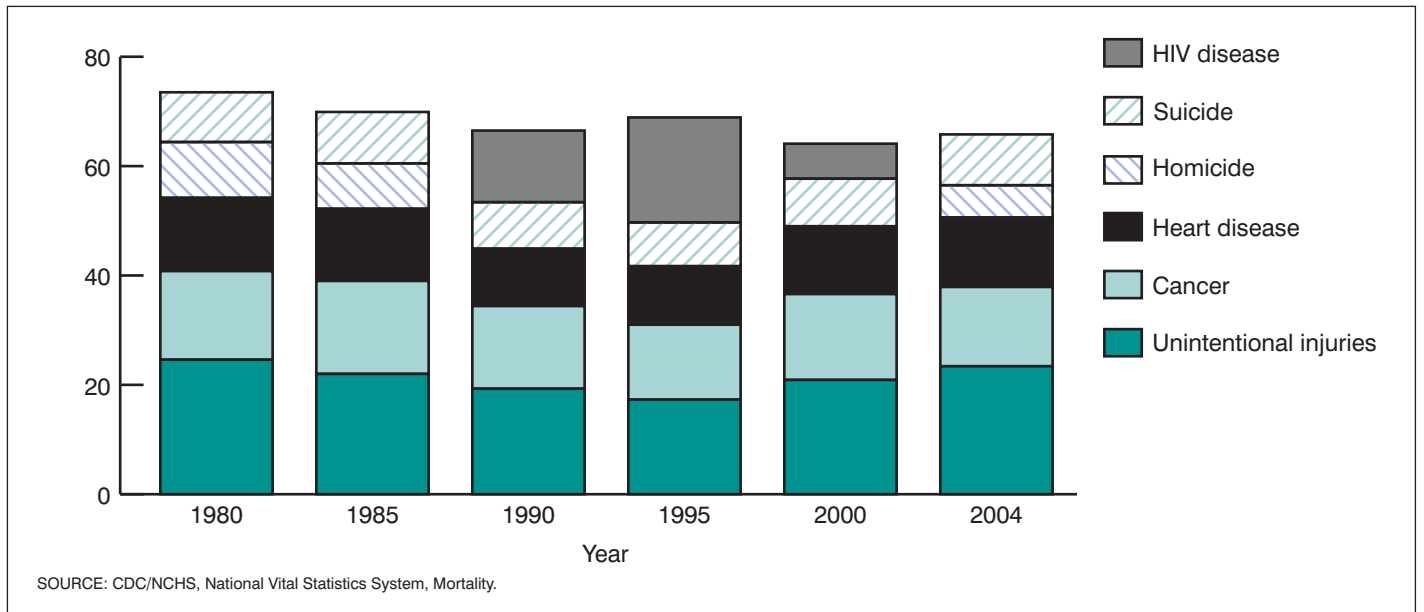


Figure 5. Percentage of total deaths for the top five causes of death among all races, 25-44 years of age: 1980-2004

2004. The leading cause of death in the 65 years and over age group is heart disease. In 1980, it accounted for 44 percent of deaths in the 65 years and over population, 13 percent of deaths in the 25-44 year age group, and 3 percent of deaths in the 5-14 year age group. The 65 years and over age group experienced large improvements in the relative burden of heart disease mortality between 1980 and 2004, whereas the younger age groups did not. By 2004, heart disease accounted for 30 percent of deaths in the 65 years and over age group, 13 percent of deaths in the 25-44 year age group, and 4 percent of deaths in the 5-14 year age group. The 25-44 year age group experienced a temporary decline in the proportion of deaths due to heart disease during the 1990s when HIV disease was a dominant cause of death. However, in 1997, heart disease regained its position

as the third leading cause of death, and the proportion of deaths due to heart disease started a slow upward trend toward pre-HIV levels in the population aged 25-44 years (7,10-20). Despite the slight increase over time in the relative burden of heart disease mortality for the population aged 5-14 years, heart disease was eventually replaced by suicide as a top five cause of death for this group.

### Race differences

Table E shows variation across the four major race groups in the 10 leading causes of death. The four groups shown had seven of the leading causes in common but had different relative disease burdens. Heart disease and cancer were the first and second leading causes

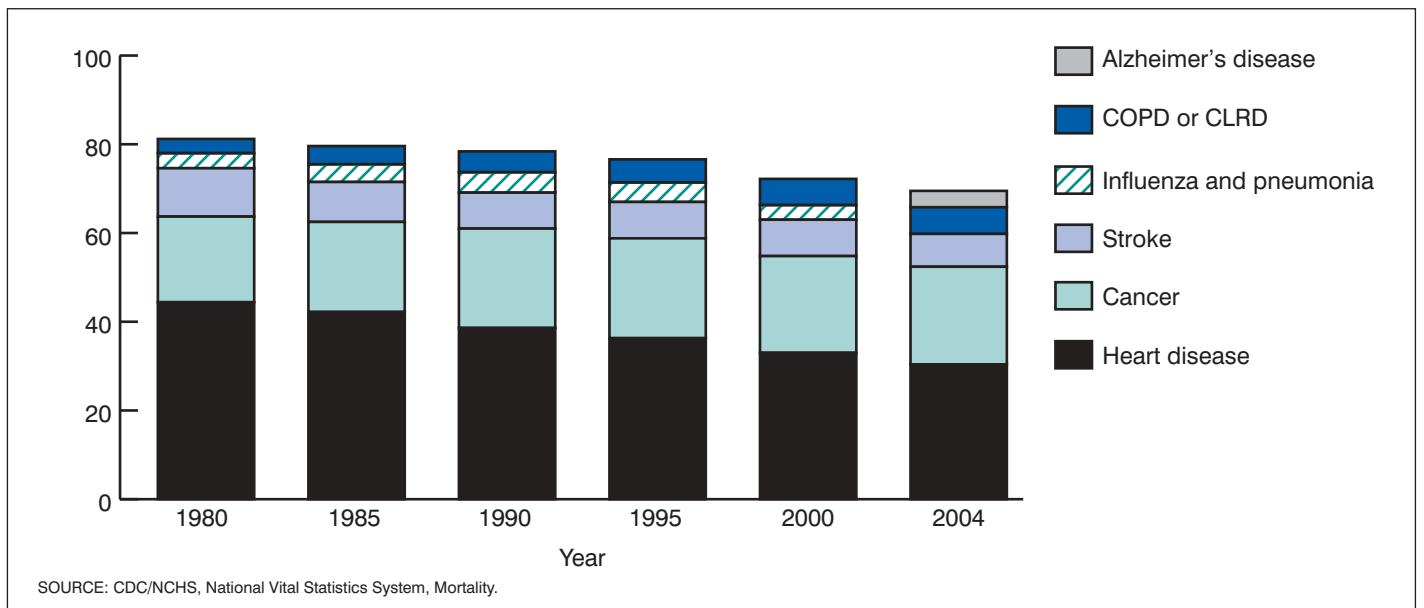


Figure 6. Percentage of total deaths for the top five causes of death among all races, 65 years of age and over: 1980-2004

**Table E. Deaths and percentage of total deaths for the 10 leading causes of death, by race: United States, 2004**

[Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding cause-of-death codes indicates they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ) | White               |           |                         | Black               |         |                         | American Indian or Alaska Native |        |                         | Asian or Pacific Islander |        |                         |
|--|---------------------|-----------|-------------------------|---------------------|---------|-------------------------|----------------------------------|--------|-------------------------|---------------------------|--------|-------------------------|
|  | Rank <sup>1,2</sup> | Deaths    | Percent of total deaths | Rank <sup>1,2</sup> | Deaths  | Percent of total deaths | Rank <sup>1,2</sup>              | Deaths | Percent of total deaths | Rank <sup>1,2</sup>       | Deaths | Percent of total deaths |
| All causes . . . . .   | ...                 | 2,056,643 | 100.0                   | ...                 | 287,315 | 100.0                   | ...                              | 13,124 | 100.0                   | ...                       | 40,533 | 100.0                   |
| Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 1                   | 565,703   | 27.5                    | 1                   | 74,225  | 25.8                    | 1                                | 2,598  | 19.8                    | 2                         | 9,960  | 24.6                    |
| Malignant neoplasms . . . . . (C00–C97)  | 2                   | 478,134   | 23.2                    | 2                   | 62,499  | 21.8                    | 2                                | 2,392  | 18.2                    | 1                         | 10,863 | 26.8                    |
| Cerebrovascular diseases . . . . . (I60–I69)   | 3                   | 127,868   | 6.2                     | 3                   | 18,118  | 6.3                     | 5                                | 581    | 4.4                     | 3                         | 3,507  | 8.7                     |
| Chronic lower respiratory diseases . . . . . (J40–J47)   | 4                   | 112,914   | 5.5                     | 8                   | 7,400   | 2.6                     | 7                                | 486    | 3.7                     | 7                         | 1,187  | 2.9                     |
| Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)                                       | 5                   | 95,890    | 4.7                     | 5                   | 12,670  | 4.4                     | 3                                | 1,520  | 11.6                    | 4                         | 1,932  | 4.8                     |
| Alzheimer's disease . . . . . (G30)  | 6                   | 61,087    | 3.0                     | 14                  | 4,232   | 1.5                     | 15                               | 112    | 0.9                     | 10                        | 534    | 1.3                     |
| Diabetes mellitus . . . . . (E10–E14)  | 7                   | 58,087    | 2.8                     | 4                   | 12,834  | 4.5                     | 4                                | 746    | 5.7                     | 5                         | 1,471  | 3.6                     |
| Influenza and pneumonia . . . . . (J10–J18)  | 8                   | 52,430    | 2.5                     | 11                  | 5,700   | 2.0                     | 9                                | 291    | 2.2                     | 6                         | 1,243  | 3.1                     |
| Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)                      | 9                   | 33,691    | 1.6                     | 7                   | 7,834   | 2.7                     | 10                               | 247    | 1.9                     | 9                         | 708    | 1.7                     |
| Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)                                       | 10                  | 29,251    | 1.4                     | 16                  | 2,019   | 0.7                     | 8                                | 404    | 3.1                     | 8                         | 765    | 1.9                     |
| Septicemia . . . . . (A40–A41)   | 11                  | 26,678    | 1.3                     | 10                  | 6,010   | 2.1                     | 12                               | 183    | 1.4                     | 12                        | 502    | 1.2                     |
| Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 12                  | 23,562    | 1.1                     | 15                  | 2,534   | 0.9                     | 6                                | 577    | 4.4                     | 15                        | 340    | 0.8                     |
| Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 20                  | 8,643     | 0.4                     | 6                   | 8,135   | 2.8                     | 11                               | 228    | 1.7                     | 14                        | 351    | 0.9                     |
| Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)                                       | 22                  | 5,608     | 0.3                     | 9                   | 7,271   | 2.5                     | 17                               | 84     | 0.6                     | 23                        | 100    | 0.2                     |

... Category not applicable.

<sup>1</sup>Rank based on number of deaths.

<sup>2</sup>Ranks above 10 are provided for informational purposes when a cause is among the top 10 for at least one of the groups being compared.

of death, respectively, for the white, black, and American Indian or Alaska Native (AIAN) populations; for the Asian or Pacific Islander (API) population, cancer was the leading cause of death, with heart disease second. Stroke ranked third for the white, black, and API populations, but ranked fifth for the AIAN population. CLRD, unintentional injuries, diabetes, and kidney disease also ranked among the 10 leading causes of death for each race group. CLRD ranked fourth for the white population, seventh for the AIAN and API populations, and eighth for the black population. Unintentional injuries ranked fifth for the white and black populations, third for the AIAN population, and fourth for the API population. Diabetes ranked fourth for the black and AIAN populations, fifth for the API population, and seventh for the white population. Kidney disease ranked 9th for both the white and API populations, 7th for the black, and 10th for the AIAN populations.

Some of the leading causes were shared by some groups but not by others. Influenza and pneumonia ranked sixth for the API population, eighth for the white population, and ninth for the AIAN population, but was not ranked in the leading 10 causes of death for the black population. Similarly, suicide was not ranked in the top 10 for the black population but was among the 10 leading causes for the other three groups: 8th for the API and AIAN populations and 10th for the white population. Alzheimer's disease ranked 6th and 10th for the white and API populations, respectively, but was not among the top 10 for the black and AIAN populations.

Furthermore, at least one of the 10 leading causes was unique to each of two groups. For the AIAN population, Chronic liver disease and cirrhosis ranked 6th but was not ranked in the top 10 for the other three race groups. Homicide ranked 6th, HIV disease 9th, and Septicemia 10th for the black population, but these causes were not ranked among the top 10 for the other race groups.

Between 2003 and 2004, the positioning of the 10 leading causes did not change for the white and black populations. However, for the AIAN population, stroke moved up one position in the rankings to become the fifth leading cause of death, Chronic liver disease and cirrhosis moved out of the top five, and Influenza and pneumonia switched ranks with suicide. For the API population, Alzheimer's disease made its debut into, whereas Septicemia moved out of, the top 10 list.

A closer look at the differences between the black and white populations reveals that the relative burden of both heart disease and cancer mortality, as measured by cause-specific percentage of total deaths within each population, is higher for the white population than for the black population (Table E, Figure 7, and 8). This difference has narrowed but persisted over time despite improvements for both groups in heart disease mortality. In 1980, both causes accounted for about 61 percent of deaths in the white population and about 51 percent of deaths in the black population. In 2004, these two causes accounted for 51 percent of deaths in the white population and 48 percent of deaths in the black population. Both groups have had roughly the same relative burden of stroke mortality and have experienced a similar decline in the proportion of deaths due to strokes between 1980 and 2004. For the white population, both the content and pattern of change in the top five causes of death mirror those in the general population (Figures 1 and 7). However, for the black population, homicide was previously the fifth leading cause of death until the mid-1990s (Figure 8). HIV disease was also briefly among the top five killers for the black population during the 1990s. As deaths due to HIV disease declined in this group, diabetes became one of the top five causes of death (15–20). Over time, the rising burden of diabetes mortality, relative to other causes, has been greater for the black population than the white population.

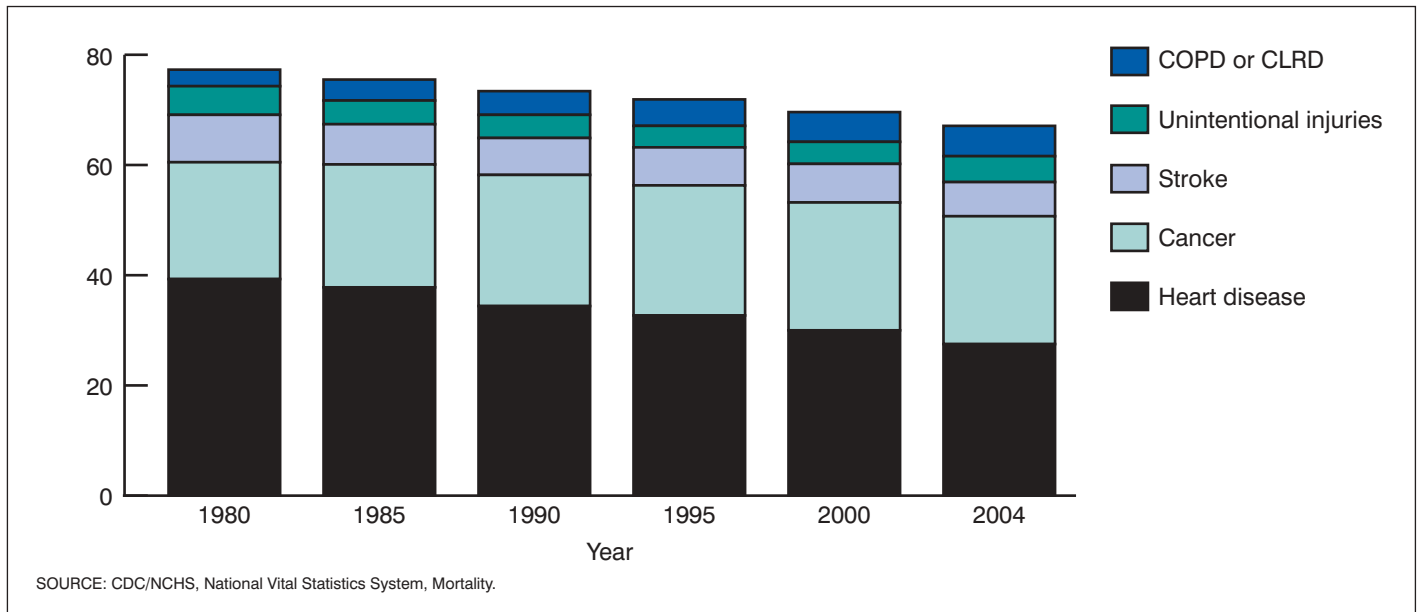


Figure 7. Percentage of total deaths for the top five causes of death among white persons: 1980–2004

### Hispanic origin

Table F contrasts the 10 leading causes of death for the Hispanic, total non-Hispanic, non-Hispanic white, and non-Hispanic black populations in 2004. Heart disease and cancer ranked first and second for all four groups. Unintentional injuries ranked third for the Hispanic population, higher than each non-Hispanic group (all fifth). The fourth-ranked cause for Hispanics was stroke, which ranked third for the non-Hispanic populations. Diabetes ranked fifth for the Hispanic population, but seventh for the non-Hispanic white population and fourth for the non-Hispanic black population. Chronic liver disease and cirrhosis was unique to the Hispanic population; it ranked sixth for this group but was not among the 10 leading causes of death for the other race-origin populations. Homicide ranked

seventh for the Hispanic population and sixth for the non-Hispanic black population, but was not ranked among the top 10 causes for the total non-Hispanic or non-Hispanic white populations. CLRD ranked much higher for the total non-Hispanic and non-Hispanic white populations (fourth) than for the Hispanic and non-Hispanic black populations (both eighth). Influenza and pneumonia also ranked lower for the Hispanic population (ninth) than for the total non-Hispanic or non-Hispanic white populations (both eighth); it was not among the 10 leading causes for the non-Hispanic black population. The 10th-ranked cause for the Hispanic population was perinatal conditions, which was also unique to this group as a top 10 cause of death. The relatively high ranking of perinatal conditions was primarily a reflection of the relatively young age distribution of the Hispanic

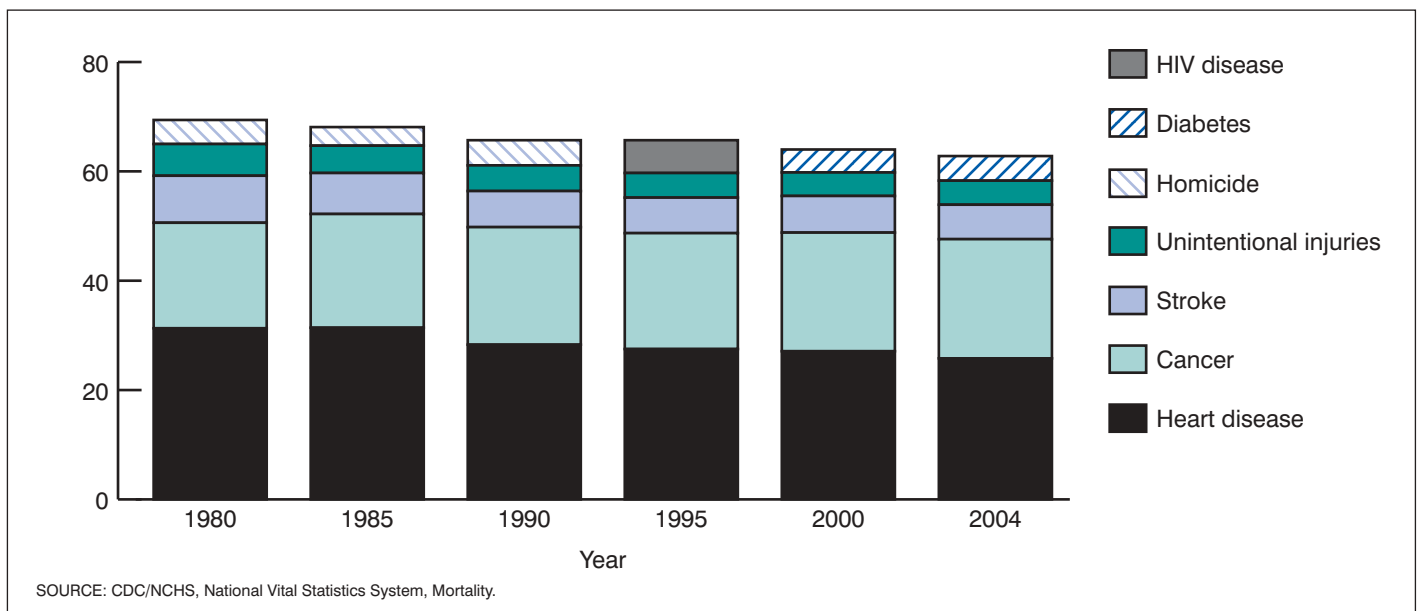


Figure 8. Percentage of total deaths for the top five causes of death among black persons: 1980–2004



**Table F. Deaths and percentage of total deaths for the 10 leading causes of death, by Hispanic origin and race for non-Hispanic population: United States, 2004**

[Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ) | Hispanic            |         |                         | Non-Hispanic        |           |                         | White, non-Hispanic |           |                         | Black, non-Hispanic |         |                         |
|--|---------------------|---------|-------------------------|---------------------|-----------|-------------------------|---------------------|-----------|-------------------------|---------------------|---------|-------------------------|
|  | Rank <sup>1,2</sup> | Deaths  | Percent of total deaths | Rank <sup>1,2</sup> | Deaths    | Percent of total deaths | Rank <sup>1,2</sup> | Deaths    | Percent of total deaths | Rank <sup>1,2</sup> | Deaths  | Percent of total deaths |
| All causes . . . . .   | ...                 | 122,416 | 100.0                   | ...                 | 2,269,583 | 100.0                   | ...                 | 1,933,382 | 100.0                   | ...                 | 283,859 | 100.0                   |
| Diseases of heart . . . . . (I00-I09,I11,I13,I20-I51)  | 1                   | 27,788  | 22.7                    | 1                   | 623,165   | 27.5                    | 1                   | 537,512   | 27.8                    | 1                   | 73,373  | 25.8                    |
| Malignant neoplasms . . . . . (C00-C97)  | 2                   | 24,522  | 20.0                    | 2                   | 528,395   | 23.3                    | 2                   | 453,534   | 23.5                    | 2                   | 61,842  | 21.8                    |
| Accidents (unintentional injuries) . . . . . (V01-X59,Y85-Y86)                                       | 3                   | 10,408  | 8.5                     | 5                   | 101,235   | 4.5                     | 5                   | 85,466    | 4.4                     | 5                   | 12,446  | 4.4                     |
| Cerebrovascular diseases . . . . . (I60-I69)   | 4                   | 6,781   | 5.5                     | 3                   | 143,044   | 6.3                     | 3                   | 121,065   | 6.3                     | 3                   | 17,980  | 6.3                     |
| Diabetes mellitus . . . . . (E10-E14)  | 5                   | 5,999   | 4.9                     | 6                   | 66,953    | 3.0                     | 7                   | 52,101    | 2.7                     | 4                   | 12,685  | 4.5                     |
| Chronic liver disease and cirrhosis . . . . . (K70,K73-K74)  | 6                   | 3,383   | 2.8                     | 12                  | 23,542    | 1.0                     | 12                  | 20,144    | 1.0                     | 15                  | 2,506   | 0.9                     |
| Assault (homicide) . . . . . (*U01-*U02,X85-Y09,Y87.1)   | 7                   | 3,271   | 2.7                     | 16                  | 13,965    | 0.6                     | 21                  | 5,427     | 0.3                     | 6                   | 8,000   | 2.8                     |
| Chronic lower respiratory diseases . . . . . (J40-J47)   | 8                   | 3,107   | 2.5                     | 4                   | 118,650   | 5.2                     | 4                   | 109,670   | 5.7                     | 8                   | 7,331   | 2.6                     |
| Influenza and pneumonia . . . . . (J10-J18)  | 9                   | 2,912   | 2.4                     | 8                   | 56,581    | 2.5                     | 8                   | 49,456    | 2.6                     | 11                  | 5,620   | 2.0                     |
| Certain conditions originating in the perinatal period . . . . . (P00-P96)                           | 10                  | 2,681   | 2.2                     | 20                  | 11,371    | 0.5                     | 20                  | 6,118     | 0.3                     | 12                  | 4,740   | 1.7                     |
| Intentional self-harm (suicide) . . . . . (*U03,X60-X84,Y87.0)                                       | 11                  | 2,207   | 1.8                     | 11                  | 30,111    | 1.3                     | 10                  | 27,001    | 1.4                     | 16                  | 1,970   | 0.7                     |
| Nephritis, nephrotic syndrome and nephrosis . . . . . (N00-N07,N17-N19,N25-N27)                      | 12                  | 2,196   | 1.8                     | 9                   | 40,192    | 1.8                     | 9                   | 31,508    | 1.6                     | 7                   | 7,759   | 2.7                     |
| Alzheimer's disease . . . . . (G30)  | 13                  | 1,897   | 1.5                     | 7                   | 63,981    | 2.8                     | 6                   | 59,153    | 3.1                     | 14                  | 4,196   | 1.5                     |
| Human immunodeficiency virus (HIV) disease . . . . . (B20-B24)                                       | 15                  | 1,758   | 1.4                     | 21                  | 11,195    | 0.5                     | 22                  | 3,862     | 0.2                     | 9                   | 7,163   | 2.5                     |
| Septicemia . . . . . (A40-A41)   | 16                  | 1,648   | 1.3                     | 10                  | 31,656    | 1.4                     | 11                  | 25,041    | 1.3                     | 10                  | 5,945   | 2.1                     |

... Category not applicable.

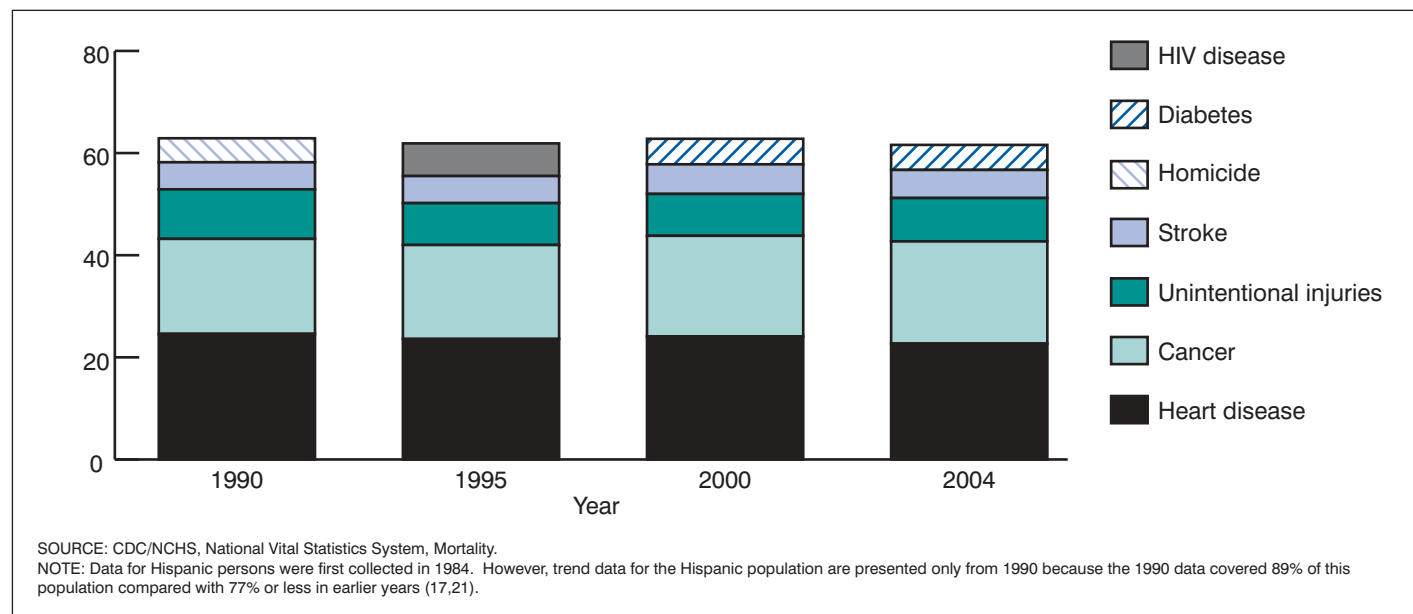
<sup>1</sup>Rank based on number of deaths.

<sup>2</sup>Ranks above 10 are provided for informational purposes when a cause is among the top 10 for at least one of the groups being compared.

population. Suicide, which ranked 10th for the non-Hispanic white population; kidney disease, which ranked 7th and 9th, respectively, for the non-Hispanic black and non-Hispanic white populations; Alzheimer's disease, which ranked 6th and 7th, respectively, for the non-Hispanic white and total non-Hispanic populations; and HIV disease, which ranked 9th for the non-Hispanic black population were not ranked among the 10 leading causes of death for Hispanics.

Septicemia ranked 10th for the total non-Hispanic and non-Hispanic black populations but did not appear among the top 10 causes for the Hispanic and non-Hispanic white populations in 2004.

Figure 9 illustrates trends over time in the relative burden of cause-specific mortality for the Hispanic population. Cancer and heart disease accounted for only 43 percent of all deaths in 2004, a lower proportion than in the general, white and black populations because



**Figure 9. Percentage of total deaths for top five causes of death among Hispanic persons: 1990-2004**

of the comparatively younger Hispanic age structure. This proportion has changed little between 1990 and 2004 because an overall decrease in the relative burden of heart disease mortality over time was counterbalanced by an increase in the relative burden of cancer mortality (7,10–14,17–20). The proportion of deaths due to homicide, previously a top five killer, has declined over time in a pattern similar to that observed in the black population (compare Figures 8 and 9). Also, HIV disease was one of the top five causes of death for the Hispanic population in the mid-1990s but quickly dropped out of this group. In yet another similarity with the black population, the relative burden of diabetes mortality has increased over time such that it became one of the top five killers of Hispanics in 1997 (17–20); in 2004, it accounted for about 5 percent of all deaths in the Hispanic population. Even though other race and ethnic groups have experienced a decrease in the relative burden of unintentional injury mortality over time, among Hispanics this cause accounted for about 9 percent of deaths in 2004, a proportion that has changed very little over time. The relative mortality burden of unintentional injury in 2004 for Hispanics was about double that for the black, white, or general population—which is due in part to the younger age structure of the Hispanic population. In contrast with the trend of decline over time in other groups, the proportion of deaths due to strokes increased slightly over time for the Hispanic population, peaking in 2000 before trending downward again between 2000 and 2004 (10–14).

## Leading causes of infant death

The leading cause of infant death in 2004 was Congenital malformations, deformations and chromosomal abnormalities (congenital malformations) and accounted for one-fifth of all infant deaths (Table G). Disorders related to short gestation and low birth weight, not elsewhere classified was ranked 2nd, followed by Sudden infant death syndrome (SIDS) (3rd); Newborn affected by maternal complications of pregnancy (4th); unintentional injuries (5th); Newborn affected by complications of placenta, cord and membranes (6th); Respiratory distress of newborn (7th); Bacterial sepsis of newborn (8th); Neonatal hemorrhage (9th); and Diseases of the circulatory system (10th). In all, the 10 leading causes of infant death accounted for 69 percent of all infant deaths. From 2003 to 2004, the rank order

of the 10 leading causes of infant death did not change, except that unintentional injuries and Newborn affected by complications of placenta, cord and membranes switched ranks.

## Neonatal and postneonatal mortality

Stark differences were evident when comparing leading causes of death in the neonatal (less than 28 days after birth) and postneonatal (between 28 days and 11 months after birth) periods (Table H). Disorders related to short gestation and low birth weight, not elsewhere classified was the leading cause of neonatal death. In contrast, Sudden infant death syndrome (SIDS) was the leading cause in the postneonatal period. Congenital malformations, although top ranked for infant mortality overall, ranked second for both neonates and postneonates. The remaining leading causes of neonatal death were characterized by conditions occurring in the perinatal period, while in the postneonatal period, the remaining leading causes were characterized more by conditions prevalent among the general population. These latter conditions included unintentional injuries (third), homicide (fifth), Influenza and pneumonia (which moved down two positions in the rankings from fifth to seventh between 2003 and 2004), and Septicemia (eighth).

Differences in infant mortality, including neonatal and postneonatal mortality, by race and Hispanic origin are presented in detailed Tables 3 and 4 for the readers' information but are not discussed. Race reported on the death certificate is considered to be fairly accurate for white and black infants; however both race and Hispanic origin may be misreported for other groups (41,42,47) (see "Technical Notes"). Consequently, readers are directed to the report using data from the linked file of live births and infant deaths for better measures of infant mortality by race and Hispanic origin (47).

## Discussion

This report presents leading causes of death in the United States by age, race, sex, and Hispanic origin, and for the infant, neonatal, and postneonatal periods. Cause-of-death ranking is a popular method of presenting mortality statistics and is a useful tool

**Table G. Deaths and percentage of total deaths for the 10 leading causes of infant death: United States, 2003–2004**

| Cause of death (based on the<br><i>International Classification of Diseases, Tenth Revision, 1992</i> ) | 2004              |        |                         | 2003              |        |                         |
|---|-------------------|--------|-------------------------|-------------------|--------|-------------------------|
|   | Rank <sup>1</sup> | Deaths | Percent of total deaths | Rank <sup>1</sup> | Deaths | Percent of total deaths |
| All causes . . . . .  | ...               | 27,936 | 100.0                   | ...               | 28,025 | 100.0                   |
| Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                | 1                 | 5,622  | 20.1                    | 1                 | 5,621  | 20.1                    |
| Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)     | 2                 | 4,642  | 16.6                    | 2                 | 4,849  | 17.3                    |
| Sudden infant death syndrome . . . . . (R95)  | 3                 | 2,246  | 8.0                     | 3                 | 2,162  | 7.7                     |
| Newborn affected by maternal complications of pregnancy . . . . . (P01)                                 | 4                 | 1,715  | 6.1                     | 4                 | 1,710  | 6.1                     |
| Accidents (unintentional injuries) . . . . . (V01–X59)  | 5                 | 1,052  | 3.8                     | 6                 | 945    | 3.4                     |
| Newborn affected by complications of placenta, cord and membranes . . . (P02)                           | 6                 | 1,042  | 3.7                     | 5                 | 1,099  | 3.9                     |
| Respiratory distress of newborn . . . . . (P22)   | 7                 | 875    | 3.1                     | 7                 | 831    | 3.0                     |
| Bacterial sepsis of newborn . . . . . (P36)   | 8                 | 827    | 3.0                     | 8                 | 772    | 2.8                     |
| Neonatal hemorrhage . . . . . (P50–P52,P54)   | 9                 | 616    | 2.2                     | 9                 | 649    | 2.3                     |
| Diseases of the circulatory system . . . . . (I00–I99)  | 10                | 593    | 2.1                     | 10                | 591    | 2.1                     |

... Category not applicable.

<sup>1</sup>Rank based on number of deaths.

**Table H. Deaths and percentage of total deaths for the 10 leading causes of neonatal and postneonatal deaths: United States, 2003**

[Neonatal deaths are those occurring less than 28 days after birth. Postneonatal deaths are those occurring between 28 days and 11 months after birth. The asterisk (\*) preceding the cause-of-death codes indicates they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup> | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ) | Deaths | Percent of total deaths |
|-------------------|--|--------|-------------------------|
| Neonatal          |  |        |                         |
| ...               | All causes . . . . .   | 18,593 | 100.0                   |
| 1                 | Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)  | 4,515  | 24.3                    |
| 2                 | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)             | 3,987  | 21.4                    |
| 3                 | Newborn affected by maternal complications of pregnancy . . . . . (P01)                              | 1,698  | 9.1                     |
| 4                 | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                    | 1,030  | 5.5                     |
| 5                 | Respiratory distress of newborn . . . . . (P22)  | 817    | 4.4                     |
| 6                 | Bacterial sepsis of newborn . . . . . (P36)  | 778    | 4.2                     |
| 7                 | Neonatal hemorrhage . . . . . (P50–P52,P54)  | 597    | 3.2                     |
| 8                 | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)  | 496    | 2.7                     |
| 9                 | Atelectasis . . . . . (P28.0–P28.1)  | 409    | 2.2                     |
| 10                | Necrotizing enterocolitis of newborn . . . . . (P77)   | 372    | 2.0                     |
| ...               | All other causes (residual) . . . . .  | 3,894  | 20.9                    |
| Postneonatal      |  |        |                         |
| ...               | All causes . . . . .   | 9,343  | 100.0                   |
| 1                 | Sudden infant death syndrome . . . . . (R95)   | 2,036  | 21.8                    |
| 2                 | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)             | 1,635  | 17.5                    |
| 3                 | Accidents (unintentional injuries) . . . . . (V01–X59)   | 937    | 10.0                    |
| 4                 | Diseases of the circulatory system . . . . . (I00–I99)   | 399    | 4.3                     |
| 5                 | Assault (homicide) . . . . . (*U01,X85–Y09)  | 287    | 3.1                     |
| 6                 | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)                | 280    | 3.0                     |
| 7                 | Influenza and pneumonia . . . . . (J10–J18)  | 272    | 2.9                     |
| 8                 | Septicemia . . . . . (A40–A41)   | 271    | 2.9                     |
| 9                 | Chronic respiratory disease originating in the perinatal period . . . . . (P27)                      | 245    | 2.6                     |
| 10                | Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)  | 127    | 1.4                     |
| ...               | All other causes (residual) . . . . .  | 2,854  | 30.5                    |

... Category not applicable.

<sup>1</sup>Rank based on number of deaths.

for illustrating the relative burden of cause-specific mortality, but it must be used cautiously with a clear understanding of the limitations underlying the method.

When comparing rankings across groups or over time, it is important to be aware of the age distribution of the populations being compared. Leading causes of death for populations with younger age distributions will tend to show higher rankings for causes of death that are prevalent among the young, such as homicide, unintentional injuries, and HIV infection. Leading causes for older populations will tend to show higher rankings for causes that are more prevalent among the elderly, such as Alzheimer's disease, heart disease, cancer, and stroke.

Consideration should also be given to the effects of random variation on cause-of-death rankings. When the number of events is small (perhaps less than 100 deaths), estimates of mortality risk are subject to random fluctuations (see "Technical Notes"). Especially when comparing rankings based on small numbers of deaths between groups or over time, it is important to be aware that differences in relative rankings may be attributable to random variability.

Because the rank order of any particular cause of death will depend on the list of causes from which selection is made and on the rules applied in making the selection, a clearly defined, uniform method for ranking causes of death is vital to maintain consistency in the reporting of leading causes by federal and state agencies. The standard method and cause-lists described in this and other publications (1–3,6) provide this needed structure.

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## List of Detailed Tables

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**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                            | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                  | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--|--|---------------------|-------------------------|-------------------|------------------------------------|--|---------------------|-------------------------|-------------------|
| All races, both sexes, all ages <sup>3</sup> |  |                     |                         |                   | All races, both sexes, 10–14 years |  |                     |                         |                   |
| ...  | All causes . . . . .   | 2,397,615           | 100.0                   | 816.5             | ...                                | All causes . . . . .   | 3,946               | 100.0                   | 18.7              |
| 1  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 652,486             | 27.2                    | 222.2             | 1                                  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,540               | 39.0                    | 7.3               |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 553,888             | 23.1                    | 188.6             |                                    | Malignant neoplasms . . . . . (C00–C97)  | 493                 | 12.5                    | 2.3               |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 150,074             | 6.3                     | 51.1              | 2                                  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 283                 | 7.2                     | 1.3               |
| 4  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 121,987             | 5.1                     | 41.5              | 3                                  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 207                 | 5.2                     | 1.0               |
| 5  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 112,012             | 4.7                     | 38.1              | 5                                  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 184                 | 4.7                     | 0.9               |
| 6  | Diabetes mellitus . . . . . (E10–E14)  | 73,138              | 3.1                     | 24.9              | 6                                  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 162                 | 4.1                     | 0.8               |
| 7  | Alzheimer's disease . . . . . (G30)  | 65,965              | 2.8                     | 22.5              | 7                                  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 74                  | 1.9                     | 0.3               |
| 8  | Influenza and pneumonia . . . . . (J10–J18)  | 59,664              | 2.5                     | 20.3              | 8                                  | Influenza and pneumonia . . . . . (J10–J18)  | 49                  | 1.2                     | 0.2               |
| 9  | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 42,480              | 1.8                     | 14.5              | 9                                  | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 43                  | 1.1                     | 0.2               |
| 10   | Septicemia . . . . . (A40–A41)   | 33,373              | 1.4                     | 11.4              | 9                                  | Cerebrovascular diseases . . . . . (I60–I69)   | 43                  | 1.1                     | 0.2               |
| ...  | All other causes (residual) . . . . .  | 532,548             | 22.2                    | 181.4             | ...                                | All other causes (residual) . . . . .  | 868                 | 22.0                    | 4.1               |
| All races, both sexes, 1–4 years             |  |                     |                         |                   | All races, both sexes, 15–19 years |  |                     |                         |                   |
| ...  | All causes . . . . .   | 4,785               | 100.0                   | 29.9              | ...                                | All causes . . . . .   | 13,706              | 100.0                   | 66.1              |
| 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,641               | 34.3                    | 10.3              | 1                                  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 6,825               | 49.8                    | 32.9              |
| 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 569                 | 11.9                    | 3.6               | 2                                  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 1,932               | 14.1                    | 9.3               |
| 3  | Malignant neoplasms . . . . . (C00–C97)  | 399                 | 8.3                     | 2.5               | 3                                  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 1,700               | 12.4                    | 8.2               |
| 4  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 377                 | 7.9                     | 2.4               | 4                                  | Malignant neoplasms . . . . . (C00–C97)  | 731                 | 5.3                     | 3.5               |
| 5  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 187                 | 3.9                     | 1.2               | 5                                  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 366                 | 2.7                     | 1.8               |
| 6  | Influenza and pneumonia . . . . . (J10–J18)  | 119                 | 2.5                     | 0.7               | 6                                  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 257                 | 1.9                     | 1.2               |
| 7  | Septicemia . . . . . (A40–A41)   | 84                  | 1.8                     | 0.5               | 7                                  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 85                  | 0.6                     | 0.4               |
| 8  | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 61                  | 1.3                     | 0.4               | 8                                  | Cerebrovascular diseases . . . . . (I60–I69)   | 69                  | 0.5                     | 0.3               |
| 9  | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 53                  | 1.1                     | 0.3               | 9                                  | Influenza and pneumonia . . . . . (J10–J18)  | 67                  | 0.5                     | 0.3               |
| 10   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 48                  | 1.0                     | 0.3               | 10                                 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 50                  | 0.4                     | 0.2               |
| ...  | All other causes (residual) . . . . .  | 1,247               | 26.1                    | 7.8               | ...                                | Anemias . . . . . (D50–D64)  | 50                  | 0.4                     | 0.2               |
| All races, both sexes, 5–9 years             |  |                     |                         |                   | All races, both sexes, 20–24 years |  |                     |                         |                   |
| ...  | All causes . . . . .   | 2,888               | 100.0                   | 14.7              | ...                                | All causes . . . . .   | 19,715              | 100.0                   | 94.0              |
| 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,126               | 39.0                    | 5.7               | 1                                  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 8,624               | 43.7                    | 41.1              |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 526                 | 18.2                    | 2.7               | 2                                  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 3,153               | 16.0                    | 15.0              |
| 3  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 205                 | 7.1                     | 1.0               | 3                                  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 2,616               | 13.3                    | 12.5              |
| 4  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 122                 | 4.2                     | 0.6               | 4                                  | Malignant neoplasms . . . . . (C00–C97)  | 978                 | 5.0                     | 4.7               |
| 5  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 83                  | 2.9                     | 0.4               | 5                                  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 672                 | 3.4                     | 3.2               |
| 6  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 46                  | 1.6                     | 0.2               | 6                                  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 226                 | 1.1                     | 1.1               |
| 7  | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 41                  | 1.4                     | 0.2               | 7                                  | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 160                 | 0.8                     | 0.8               |
| 8  | Septicemia . . . . . (A40–A41)   | 38                  | 1.3                     | 0.2               | 8                                  | Cerebrovascular diseases . . . . . (I60–I69)   | 142                 | 0.7                     | 0.7               |
| 9  | Cerebrovascular diseases . . . . . (I60–I69)   | 34                  | 1.2                     | 0.2               | 9                                  | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 131                 | 0.7                     | 0.6               |
| 10   | Influenza and pneumonia . . . . . (J10–J18)  | 33                  | 1.1                     | 0.2               | 10                                 | Influenza and pneumonia . . . . . (J10–J18)  | 118                 | 0.6                     | 0.6               |
| ...  | All other causes (residual) . . . . .  | 634                 | 22.0                    | 3.2               | ...                                | All other causes (residual) . . . . .  | 2,895               | 14.7                    | 13.8              |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                  | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                        | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|------------------------------------|--|---------------------|-------------------------|-------------------|--|--|---------------------|-------------------------|-------------------|
| All races, both sexes, 25–34 years |  |                     |                         |                   | All races, both sexes, 55–64 years       |  |                     |                         |                   |
| ...                                | All causes . . . . .   | 40,868              | 100.0                   | 102.1             | ...                                      | All causes . . . . .   | 264,697             | 100.0                   | 910.3             |
| 1                                  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 13,032              | 31.9                    | 32.6              | 1  | Malignant neoplasms . . . . . (C00–C97)  | 96,956              | 36.6                    | 333.4             |
| 2                                  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 5,074               | 12.4                    | 12.7              | 2  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 63,613              | 24.0                    | 218.8             |
| 3                                  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 4,495               | 11.0                    | 11.2              | 3  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 11,754              | 4.4                     | 40.4              |
| 4                                  | Malignant neoplasms . . . . . (C00–C97)  | 3,633               | 8.9                     | 9.1               | 4  | Diabetes mellitus . . . . . (E10–E14)  | 10,780              | 4.1                     | 37.1              |
| 5                                  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 3,163               | 7.7                     | 7.9               | 5  | Cerebrovascular diseases . . . . . (I60–I69)   | 9,966               | 3.8                     | 34.3              |
| 6                                  | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 1,468               | 3.6                     | 3.7               | 6  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 9,651               | 3.6                     | 33.2              |
| 7                                  | Diabetes mellitus . . . . . (E10–E14)  | 599                 | 1.5                     | 1.5               | 7  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 6,569               | 2.5                     | 22.6              |
| 8                                  | Cerebrovascular diseases . . . . . (I60–I69)   | 567                 | 1.4                     | 1.4               | 8  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 4,011               | 1.5                     | 13.8              |
| 9                                  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 420                 | 1.0                     | 1.0               | 9  | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 3,963               | 1.5                     | 13.6              |
| 10                                 | Septicemia . . . . . (A40–A41)   | 328                 | 0.8                     | 0.8               | 10                                       | Septicemia . . . . . (A40–A41)   | 3,745               | 1.4                     | 12.9              |
| ...                                | All other causes (residual) . . . . .  | 8,089               | 19.8                    | 20.2              | ...                                      | All other causes (residual) . . . . .  | 43,689              | 16.5                    | 150.2             |
| All races, both sexes, 35–44 years |  |                     |                         |                   | All races, both sexes, 65 years and over |  |                     |                         |                   |
| ...                                | All causes . . . . .   | 85,362              | 100.0                   | 193.5             | ...                                      | All causes . . . . .   | 1,755,669           | 100.0                   | 4,837.4           |
| 1                                  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 16,471              | 19.3                    | 37.3              | 1  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 533,302             | 30.4                    | 1,469.4           |
| 2                                  | Malignant neoplasms . . . . . (C00–C97)  | 14,723              | 17.2                    | 33.4              | 2  | Malignant neoplasms . . . . . (C00–C97)  | 385,847             | 22.0                    | 1,063.1           |
| 3                                  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 12,925              | 15.1                    | 29.3              | 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 130,538             | 7.4                     | 359.7             |
| 4                                  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 6,638               | 7.8                     | 15.0              | 4  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 105,197             | 6.0                     | 289.8             |
| 5                                  | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 4,826               | 5.7                     | 10.9              | 5  | Alzheimer's disease . . . . . (G30)  | 65,313              | 3.7                     | 180.0             |
| 6                                  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 2,984               | 3.5                     | 6.8               | 6  | Diabetes mellitus . . . . . (E10–E14)  | 53,956              | 3.1                     | 148.7             |
| 7                                  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 2,799               | 3.3                     | 6.3               | 7  | Influenza and pneumonia . . . . . (J10–J18)  | 52,760              | 3.0                     | 145.4             |
| 8                                  | Cerebrovascular diseases . . . . . (I60–I69)   | 2,361               | 2.8                     | 5.4               | 8  | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 35,105              | 2.0                     | 96.7              |
| 9                                  | Diabetes mellitus . . . . . (E10–E14)  | 2,026               | 2.4                     | 4.6               | 9  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 35,020              | 2.0                     | 96.5              |
| 10                                 | Influenza and pneumonia . . . . . (J10–J18)  | 891                 | 1.0                     | 2.0               | 10                                       | Septicemia . . . . . (A40–A41)   | 25,644              | 1.5                     | 70.7              |
| ...                                | All other causes (residual) . . . . .  | 18,718              | 21.9                    | 42.4              | ...                                      | All other causes (residual) . . . . .  | 332,987             | 19.0                    | 917.5             |
| All races, both sexes, 45–54 years |  |                     |                         |                   | All races, both sexes, 65–74 years       |  |                     |                         |                   |
| ...                                | All causes . . . . .   | 177,697             | 100.0                   | 427.0             | ...                                      | All causes . . . . .   | 399,666             | 100.0                   | 2,164.6           |
| 1                                  | Malignant neoplasms . . . . . (C00–C97)  | 49,520              | 27.9                    | 119.0             | 1  | Malignant neoplasms . . . . . (C00–C97)  | 139,417             | 34.9                    | 755.1             |
| 2                                  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 37,556              | 21.1                    | 90.2              | 2  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 99,999              | 25.0                    | 541.6             |
| 3                                  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 16,942              | 9.5                     | 40.7              | 3  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 28,390              | 7.1                     | 153.8             |
| 4                                  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 7,496               | 4.2                     | 18.0              | 4  | Cerebrovascular diseases . . . . . (I60–I69)   | 19,901              | 5.0                     | 107.8             |
| 5                                  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 6,906               | 3.9                     | 16.6              | 5  | Diabetes mellitus . . . . . (E10–E14)  | 16,093              | 4.0                     | 87.2              |
| 6                                  | Cerebrovascular diseases . . . . . (I60–I69)   | 6,181               | 3.5                     | 14.9              | 6  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 8,116               | 2.0                     | 44.0              |
| 7                                  | Diabetes mellitus . . . . . (E10–E14)  | 5,567               | 3.1                     | 13.4              | 7  | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 7,119               | 1.8                     | 38.6              |
| 8                                  | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 4,422               | 2.5                     | 10.6              | 8  | Influenza and pneumonia . . . . . (J10–J18)  | 6,382               | 1.6                     | 34.6              |
| 9                                  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 3,511               | 2.0                     | 8.4               | 9  | Septicemia . . . . . (A40–A41)   | 5,983               | 1.5                     | 32.4              |
| 10                                 | Septicemia . . . . . (A40–A41)   | 2,251               | 1.3                     | 5.4               | 10                                       | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 5,119               | 1.3                     | 27.7              |
| ...                                | All other causes (residual) . . . . .  | 37,345              | 21.0                    | 89.7              | ...                                      | All other causes (residual) . . . . .  | 63,147              | 15.8                    | 342.0             |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                        | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>            | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--|--|---------------------|-------------------------|-------------------|------------------------------|--|---------------------|-------------------------|-------------------|
| All races, both sexes, 75–84 years       |  |                     |                         |                   | All races, male, 1–4 years   |  |                     |                         |                   |
| ...                                      | All causes . . . . .   | 684,230             | 100.0                   | 5,275.1           | ...                          | All causes . . . . .   | 2,649               | 100.0                   | 32.4              |
| 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 195,379             | 28.6                    | 1,506.3           | 1                            | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 964                 | 36.4                    | 11.8              |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 166,085             | 24.3                    | 1,280.4           | 2                            | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 318                 | 12.0                    | 3.9               |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 50,092              | 7.3                     | 386.2             | 3                            | Malignant neoplasms . . . . . (C00–C97)  | 212                 | 8.0                     | 2.6               |
| 4  | Chronic lower respiratory diseases . . . (J40–J47)   | 47,568              | 7.0                     | 366.7             | 4                            | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 204                 | 7.7                     | 2.5               |
| 5  | Diabetes mellitus . . . . . (E10–E14)  | 22,945              | 3.4                     | 176.9             | 5                            | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 94                  | 3.5                     | 1.1               |
| 6  | Alzheimer's disease . . . . . (G30)  | 21,882              | 3.2                     | 168.7             | 6                            | Influenza and pneumonia . . . . . (J10–J18)  | 47                  | 1.8                     | 0.6               |
| 7  | Influenza and pneumonia . . . . . (J10–J18)  | 18,066              | 2.6                     | 139.3             | 7                            | Septicemia . . . . . (A40–A41)   | 41                  | 1.5                     | 0.5               |
| 8  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 14,058              | 2.1                     | 108.4             | 8                            | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 38                  | 1.4                     | 0.5               |
| 9  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 13,457              | 2.0                     | 103.7             | 9                            | Chronic lower respiratory diseases . . . (J40–J47)   | 30                  | 1.1                     | 0.4               |
| 10                                       | Septicemia . . . . . (A40–A41)   | 10,586              | 1.5                     | 81.6              | 10                           | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 28                  | 1.1                     | 0.3               |
| ...                                      | All other causes (residual) . . . . .  | 124,112             | 18.1                    | 956.9             | ...                          | All other causes (residual) . . . . .  | 673                 | 25.4                    | 8.2               |
| All races, both sexes, 85 years and over |  |                     |                         |                   | All races, male, 5–9 years   |  |                     |                         |                   |
| ...                                      | All causes . . . . .   | 671,773             | 100.0                   | 13,823.5          | ...                          | All causes . . . . .   | 1,645               | 100.0                   | 16.4              |
| 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 237,924             | 35.4                    | 4,895.9           | 1                            | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 682                 | 41.5                    | 6.8               |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 80,345              | 12.0                    | 1,653.3           | 2                            | Malignant neoplasms . . . . . (C00–C97)  | 303                 | 18.4                    | 3.0               |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 60,545              | 9.0                     | 1,245.9           | 3                            | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 111                 | 6.7                     | 1.1               |
| 4  | Alzheimer's disease . . . . . (G30)  | 39,790              | 5.9                     | 818.8             | 4                            | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 62                  | 3.8                     | 0.6               |
| 5  | Chronic lower respiratory diseases . . . (J40–J47)   | 29,239              | 4.4                     | 601.7             | 5                            | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 33                  | 2.0                     | 0.3               |
| 6  | Influenza and pneumonia . . . . . (J10–J18)  | 28,312              | 4.2                     | 582.6             | 6                            | Chronic lower respiratory diseases . . . (J40–J47)   | 30                  | 1.8                     | 0.3               |
| 7  | Diabetes mellitus . . . . . (E10–E14)  | 14,918              | 2.2                     | 307.0             | 7                            | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 20                  | 1.2                     | 0.2               |
| 8  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 13,928              | 2.1                     | 286.6             | 8                            | Influenza and pneumonia . . . . . (J10–J18)  | 19                  | 1.2                     | *                 |
| 9  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 13,447              | 2.0                     | 276.7             | 9                            | Septicemia . . . . . (A40–A41)   | 18                  | 1.1                     | *                 |
| 10                                       | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 9,648               | 1.4                     | 198.5             | 9                            | Cerebrovascular diseases . . . . . (I60–I69)   | 18                  | 1.1                     | *                 |
| ...                                      | All other causes (residual) . . . . .  | 143,677             | 21.4                    | 2,956.5           | ...                          | All other causes (residual) . . . . .  | 349                 | 21.2                    | 3.5               |
| All races, male, all ages <sup>3</sup>   |  |                     |                         |                   | All races, male, 10–14 years |  |                     |                         |                   |
| ...                                      | All causes . . . . .   | 1,181,668           | 100.0                   | 817.6             | ...                          | All causes . . . . .   | 2,354               | 100.0                   | 21.7              |
| 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 321,973             | 27.2                    | 222.8             | 1                            | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 979                 | 41.6                    | 9.0               |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 286,830             | 24.3                    | 198.4             | 2                            | Malignant neoplasms . . . . . (C00–C97)  | 269                 | 11.4                    | 2.5               |
| 3  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 72,050              | 6.1                     | 49.8              | 3                            | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 185                 | 7.9                     | 1.7               |
| 4  | Cerebrovascular diseases . . . . . (I60–I69)   | 58,800              | 5.0                     | 40.7              | 4                            | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 138                 | 5.9                     | 1.3               |
| 5  | Chronic lower respiratory diseases . . . (J40–J47)   | 58,646              | 5.0                     | 40.6              | 5                            | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 100                 | 4.2                     | 0.9               |
| 6  | Diabetes mellitus . . . . . (E10–E14)  | 35,267              | 3.0                     | 24.4              | 6                            | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 89                  | 3.8                     | 0.8               |
| 7  | Influenza and pneumonia . . . . . (J10–J18)  | 26,861              | 2.3                     | 18.6              | 7                            | Chronic lower respiratory diseases . . . . . (J40–J47)   | 45                  | 1.9                     | 0.4               |
| 8  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 25,566              | 2.2                     | 17.7              | 8                            | Influenza and pneumonia . . . . . (J10–J18)  | 28                  | 1.2                     | 0.3               |
| 9  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 20,370              | 1.7                     | 14.1              | 9                            | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 26                  | 1.1                     | 0.2               |
| 10                                       | Alzheimer's disease . . . . . (G30)  | 18,974              | 1.6                     | 13.1              | 10                           | Cerebrovascular diseases . . . . . (I60–I69)   | 22                  | 0.9                     | 0.2               |
| ...                                      | All other causes (residual) . . . . .  | 256,331             | 21.7                    | 177.3             | ...                          | All other causes (residual) . . . . .  | 473                 | 20.1                    | 4.4               |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>            | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>            | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|------------------------------|--|---------------------|-------------------------|-------------------|------------------------------|--|---------------------|-------------------------|-------------------|
| All races, male, 15–19 years |  |                     |                         |                   | All races, male, 35–44 years |  |                     |                         |                   |
| ...                          | All causes . . . . .   | 9,678               | 100.0                   | 91.0              | ...                          | All causes . . . . .   | 53,677              | 100.0                   | 243.6             |
| 1                            | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 4,744               | 49.0                    | 44.6              | 1                            | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 11,671              | 21.7                    | 53.0              |
| 2                            | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 1,631               | 16.9                    | 15.3              | 2                            | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 9,011               | 16.8                    | 40.9              |
| 3                            | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 1,345               | 13.9                    | 12.6              | 3                            | Malignant neoplasms . . . . . (C00–C97)  | 6,408               | 11.9                    | 29.1              |
| 4                            | Malignant neoplasms . . . . . (C00–C97)  | 435                 | 4.5                     | 4.1               | 4                            | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 5,067               | 9.4                     | 23.0              |
| 5                            | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 240                 | 2.5                     | 2.3               | 5                            | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 3,466               | 6.5                     | 15.7              |
| 6                            | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 145                 | 1.5                     | 1.4               | 6                            | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 2,224               | 4.1                     | 10.1              |
| 7                            | Chronic lower respiratory diseases . . . . . (J40–J47)   | 55                  | 0.6                     | 0.5               | 7                            | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 1,916               | 3.6                     | 8.7               |
| 8                            | Influenza and pneumonia . . . . . (J10–J18)  | 42                  | 0.4                     | 0.4               | 8                            | Diabetes mellitus . . . . . (E10–E14)  | 1,258               | 2.3                     | 5.7               |
| 9                            | Cerebrovascular diseases . . . . . (I60–I69)   | 41                  | 0.4                     | 0.4               | 9                            | Cerebrovascular diseases . . . . . (I60–I69)   | 1,240               | 2.3                     | 5.6               |
| 10                           | Anemias . . . . . (D50–D64)  | 31                  | 0.3                     | 0.3               | 10                           | Influenza and pneumonia . . . . . (J10–J18)  | 494                 | 0.9                     | 2.2               |
| ...                          | All other causes (residual) . . . . .  | 969                 | 10.0                    | 9.1               | ...                          | All other causes (residual) . . . . .  | 10,922              | 20.3                    | 49.6              |
| All races, male, 20–24 years |  |                     |                         |                   | All races, male, 45–54 years |  |                     |                         |                   |
| ...                          | All causes . . . . .   | 14,909              | 100.0                   | 138.0             | ...                          | All causes . . . . .   | 111,163             | 100.0                   | 543.5             |
| 1                            | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 6,679               | 44.8                    | 61.8              | 1                            | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 27,050              | 24.3                    | 132.3             |
| 2                            | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 2,749               | 18.4                    | 25.4              | 2                            | Malignant neoplasms . . . . . (C00–C97)  | 25,432              | 22.9                    | 124.3             |
| 3                            | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 2,251               | 15.1                    | 20.8              | 3                            | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 11,988              | 10.8                    | 58.6              |
| 4                            | Malignant neoplasms . . . . . (C00–C97)  | 592                 | 4.0                     | 5.5               | 4                            | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 5,382               | 4.8                     | 26.3              |
| 5                            | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 451                 | 3.0                     | 4.2               | 5                            | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 5,078               | 4.6                     | 24.8              |
| 6                            | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 137                 | 0.9                     | 1.3               | 6                            | Cerebrovascular diseases . . . . . (I60–I69)   | 3,409               | 3.1                     | 16.7              |
| 7                            | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 93                  | 0.6                     | 0.9               | 7                            | Diabetes mellitus . . . . . (E10–E14)  | 3,376               | 3.0                     | 16.5              |
| 8                            | Influenza and pneumonia . . . . . (J10–J18)  | 76                  | 0.5                     | 0.7               | 8                            | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 3,327               | 3.0                     | 16.3              |
| 9                            | Cerebrovascular diseases . . . . . (I60–I69)   | 75                  | 0.5                     | 0.7               | 9                            | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,806               | 1.6                     | 8.8               |
| 10                           | Chronic lower respiratory diseases . . . . . (J40–J47)   | 55                  | 0.4                     | 0.5               | 10                           | Viral hepatitis . . . . . (B15–B19)  | 1,645               | 1.5                     | 8.0               |
| ...                          | All other causes (residual) . . . . .  | 1,751               | 11.7                    | 16.2              | ...                          | All other causes (residual) . . . . .  | 22,670              | 20.4                    | 110.8             |
| All races, male, 25–34 years |  |                     |                         |                   | All races, male, 55–64 years |  |                     |                         |                   |
| ...                          | All causes . . . . .   | 28,359              | 100.0                   | 139.5             | ...                          | All causes . . . . .   | 158,032             | 100.0                   | 1,128.8           |
| 1                            | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 9,871               | 34.8                    | 48.5              | 1                            | Malignant neoplasms . . . . . (C00–C97)  | 52,738              | 33.4                    | 376.7             |
| 2                            | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 4,142               | 14.6                    | 20.4              | 2                            | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 43,788              | 27.7                    | 312.8             |
| 3                            | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 3,764               | 13.3                    | 18.5              | 3                            | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 6,562               | 4.2                     | 46.9              |
| 4                            | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 2,143               | 7.6                     | 10.5              | 4                            | Diabetes mellitus . . . . . (E10–E14)  | 6,153               | 3.9                     | 44.0              |
| 5                            | Malignant neoplasms . . . . . (C00–C97)  | 1,750               | 6.2                     | 8.6               | 5                            | Chronic lower respiratory diseases . . . . . (J40–J47)   | 6,029               | 3.8                     | 43.1              |
| 6                            | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 917                 | 3.2                     | 4.5               | 6                            | Cerebrovascular diseases . . . . . (I60–I69)   | 5,523               | 3.5                     | 39.5              |
| 7                            | Diabetes mellitus . . . . . (E10–E14)  | 340                 | 1.2                     | 1.7               | 7                            | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 4,587               | 2.9                     | 32.8              |
| 8                            | Cerebrovascular diseases . . . . . (I60–I69)   | 284                 | 1.0                     | 1.4               | 8                            | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 3,088               | 2.0                     | 22.1              |
| 9                            | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 235                 | 0.8                     | 1.2               | 9                            | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 2,120               | 1.3                     | 15.1              |
| 10                           | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 221                 | 0.8                     | 1.1               | 10                           | Septicemia . . . . . (A40–A41)   | 1,934               | 1.2                     | 13.8              |
| ...                          | All other causes (residual) . . . . .  | 4,692               | 16.5                    | 23.1              | ...                          | All other causes (residual) . . . . .  | 25,510              | 16.1                    | 182.2             |

See footnotes at end of table.



**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                  | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                        | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|------------------------------------|--|---------------------|-------------------------|-------------------|--|--|---------------------|-------------------------|-------------------|
| All races, male, 65 years and over |  |                     |                         |                   | All races, male, 85 years and over       |  |                     |                         |                   |
| ...                                | All causes . . . . .   | 783,210             | 100.0                   | 5,168.4           | ...                                      | All causes . . . . .   | 226,650             | 100.0                   | 15,031.1          |
| 1                                  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 238,814             | 30.5                    | 1,575.9           | 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 79,002              | 34.9                    | 5,239.3           |
| 2                                  | Malignant neoplasms . . . . . (C00–C97)  | 198,648             | 25.4                    | 1,310.9           | 2  | Malignant neoplasms . . . . . (C00–C97)  | 35,427              | 15.6                    | 2,349.5           |
| 3                                  | Chronic lower respiratory diseases . . (J40–J47)   | 49,989              | 6.4                     | 329.9             | 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 16,859              | 7.4                     | 1,118.1           |
| 4                                  | Cerebrovascular diseases . . . . . (I60–I69)   | 48,091              | 6.1                     | 317.4             | 4  | Chronic lower respiratory diseases . . (J40–J47)   | 12,231              | 5.4                     | 811.1             |
| 5                                  | Diabetes mellitus . . . . . (E10–E14)  | 24,034              | 3.1                     | 158.6             | 5  | Influenza and pneumonia . . . . . (J10–J18)  | 10,212              | 4.5                     | 677.2             |
| 6                                  | Influenza and pneumonia . . . . . (J10–J18)  | 22,830              | 2.9                     | 150.7             | 6  | Alzheimer's disease . . . . . (G30)  | 9,343               | 4.1                     | 619.6             |
| 7                                  | Alzheimer's disease . . . . . (G30)  | 18,678              | 2.4                     | 123.3             | 7  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 5,612               | 2.5                     | 372.2             |
| 8                                  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 17,232              | 2.2                     | 113.7             | 8  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 5,210               | 2.3                     | 345.5             |
| 9                                  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 16,296              | 2.1                     | 107.5             | 9  | Diabetes mellitus . . . . . (E10–E14)  | 5,035               | 2.2                     | 333.9             |
| 10                                 | Septicemia . . . . . (A40–A41)   | 10,961              | 1.4                     | 72.3              | 10                                       | Pneumonitis due to solids and liquids . . (J69)  | 3,576               | 1.6                     | 237.2             |
| ...                                | All other causes (residual) . . . . .  | 137,637             | 17.6                    | 908.3             | ...                                      | All other causes (residual) . . . . .  | 44,143              | 19.5                    | 2,927.5           |
| All races, male, 65–74 years       |  |                     |                         |                   | All races, female, all ages <sup>3</sup> |  |                     |                         |                   |
| ...                                | All causes . . . . .   | 222,891             | 100.0                   | 2,644.8           | ...                                      | All causes . . . . .   | 1,215,947           | 100.0                   | 815.4             |
| 1                                  | Malignant neoplasms . . . . . (C00–C97)  | 76,487              | 34.3                    | 907.6             | 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 330,513             | 27.2                    | 221.6             |
| 2                                  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 61,000              | 27.4                    | 723.8             | 2  | Malignant neoplasms . . . . . (C00–C97)  | 267,058             | 22.0                    | 179.1             |
| 3                                  | Chronic lower respiratory diseases . . (J40–J47)   | 14,503              | 6.5                     | 172.1             | 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 91,274              | 7.5                     | 61.2              |
| 4                                  | Cerebrovascular diseases . . . . . (I60–I69)   | 10,207              | 4.6                     | 121.1             | 4  | Chronic lower respiratory diseases . . (J40–J47)   | 63,341              | 5.2                     | 42.5              |
| 5                                  | Diabetes mellitus . . . . . (E10–E14)  | 8,430               | 3.8                     | 100.0             | 5  | Alzheimer's disease . . . . . (G30)  | 46,991              | 3.9                     | 31.5              |
| 6                                  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 4,992               | 2.2                     | 59.2              | 6  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 39,962              | 3.3                     | 26.8              |
| 7                                  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 3,677               | 1.6                     | 43.6              | 7  | Diabetes mellitus . . . . . (E10–E14)  | 37,871              | 3.1                     | 25.4              |
| 8                                  | Influenza and pneumonia . . . . . (J10–J18)  | 3,605               | 1.6                     | 42.8              | 8  | Influenza and pneumonia . . . . . (J10–J18)  | 32,803              | 2.7                     | 22.0              |
| 9                                  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 3,122               | 1.4                     | 37.0              | 9  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 22,110              | 1.8                     | 14.8              |
| 10                                 | Septicemia . . . . . (A40–A41)   | 3,017               | 1.4                     | 35.8              | 10                                       | Septicemia . . . . . (A40–A41)   | 18,362              | 1.5                     | 12.3              |
| ...                                | All other causes (residual) . . . . .  | 33,851              | 15.2                    | 401.7             | ...                                      | All other causes (residual) . . . . .  | 265,662             | 21.8                    | 178.2             |
| All races, male, 75–84 years       |  |                     |                         |                   | All races, female, 1–4 years             |  |                     |                         |                   |
| ...                                | All causes . . . . .   | 333,669             | 100.0                   | 6,394.3           | ...                                      | All causes . . . . .   | 2,136               | 100.0                   | 27.3              |
| 1                                  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 98,812              | 29.6                    | 1,893.6           | 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 677                 | 31.7                    | 8.7               |
| 2                                  | Malignant neoplasms . . . . . (C00–C97)  | 86,734              | 26.0                    | 1,662.1           | 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 251                 | 11.8                    | 3.2               |
| 3                                  | Chronic lower respiratory diseases . . (J40–J47)   | 23,255              | 7.0                     | 445.6             | 3  | Malignant neoplasms . . . . . (C00–C97)  | 187                 | 8.8                     | 2.4               |
| 4                                  | Cerebrovascular diseases . . . . . (I60–I69)   | 21,025              | 6.3                     | 402.9             | 4  | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 173                 | 8.1                     | 2.2               |
| 5                                  | Diabetes mellitus . . . . . (E10–E14)  | 10,569              | 3.2                     | 202.5             | 5  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 93                  | 4.4                     | 1.2               |
| 6                                  | Influenza and pneumonia . . . . . (J10–J18)  | 9,013               | 2.7                     | 172.7             | 6  | Influenza and pneumonia . . . . . (J10–J18)  | 72                  | 3.4                     | 0.9               |
| 7                                  | Alzheimer's disease . . . . . (G30)  | 7,777               | 2.3                     | 149.0             | 7  | Septicemia . . . . . (A40–A41)   | 43                  | 2.0                     | 0.6               |
| 8                                  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 7,030               | 2.1                     | 134.7             | 8  | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 25                  | 1.2                     | 0.3               |
| 9                                  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 7,007               | 2.1                     | 134.3             | 9  | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 23                  | 1.1                     | 0.3               |
| 10                                 | Parkinson's disease . . . . . (G20–G21)  | 5,306               | 1.6                     | 101.7             | 10                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 18                  | 0.8                     | *                 |
| ...                                | All other causes (residual) . . . . .  | 57,141              | 17.1                    | 1,095.0           | 10                                       | Chronic lower respiratory diseases . . (J40–J47)   | 18                  | 0.8                     | *                 |
| ...                                |  |                     |                         |                   | ...                                      | All other causes (residual) . . . . .  | 556                 | 26.0                    | 7.1               |

See footnotes at end of table.



**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                     | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--------------------------------|--|---------------------|-------------------------|-------------------|---------------------------------------|--|---------------------|-------------------------|-------------------|
| All races, female, 5–9 years   |  |                     |                         |                   | All races, female, 15–19 years        |  |                     |                         |                   |
| ...                            | All causes . . . . .   | 1,243               | 100.0                   | 13.0              | ...                                   | All causes . . . . .   | 4,028               | 100.0                   | 39.9              |
| 1                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 444                 | 35.7                    | 4.6               | 1                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 2,081               | 51.7                    | 20.6              |
| 2                              | Malignant neoplasms . . . . . (C00–C97)  | 223                 | 17.9                    | 2.3               | 2                                     | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 355                 | 8.8                     | 3.5               |
| 3                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 94                  | 7.6                     | 1.0               | 3                                     | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 301                 | 7.5                     | 3.0               |
| 4                              | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 60                  | 4.8                     | 0.6               | 4                                     | Malignant neoplasms . . . . . (C00–C97)  | 296                 | 7.3                     | 2.9               |
| 5                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 50                  | 4.0                     | 0.5               | 5                                     | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 126                 | 3.1                     | 1.2               |
| 6                              | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 21                  | 1.7                     | 0.2               | 6                                     | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 112                 | 2.8                     | 1.1               |
| 7                              | Septicemia . . . . . (A40–A41)   | 20                  | 1.6                     | 0.2               | 7                                     | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 37                  | 0.9                     | 0.4               |
| 8                              | Cerebrovascular diseases . . . . . (I60–I69)   | 16                  | 1.3                     | *                 | 8                                     | Chronic lower respiratory diseases . . . . . (J40–J47)   | 30                  | 0.7                     | 0.3               |
| 8                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 16                  | 1.3                     | *                 | 9                                     | Cerebrovascular diseases . . . . . (I60–I69)   | 28                  | 0.7                     | 0.3               |
| 10                             | Anemias . . . . . (D50–D64)  | 15                  | 1.2                     | *                 | 10                                    | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 25                  | 0.6                     | 0.2               |
| ...                            | All other causes (residual) . . . . .  | 284                 | 22.8                    | 3.0               | 10                                    | Influenza and pneumonia . . . . . (J10–J18)  | 25                  | 0.6                     | 0.2               |
| All races, female, 10–14 years |  |                     |                         |                   | All other causes (residual) . . . . . |  |                     |                         |                   |
| ...                            | All causes . . . . .   | 1,592               | 100.0                   | 15.4              | ...                                   | All other causes (residual) . . . . .  | 612                 | 15.2                    | 6.1               |
| 1                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 561                 | 35.2                    | 5.4               | All races, female, 20–24 years        |  |                     |                         |                   |
| 2                              | Malignant neoplasms . . . . . (C00–C97)  | 224                 | 14.1                    | 2.2               | ...                                   | All causes . . . . .   | 4,806               | 100.0                   | 47.3              |
| 3                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 98                  | 6.2                     | 1.0               | 1                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,945               | 40.5                    | 19.1              |
| 4                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 84                  | 5.3                     | 0.8               | 2                                     | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 404                 | 8.4                     | 4.0               |
| 5                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 73                  | 4.6                     | 0.7               | 3                                     | Malignant neoplasms . . . . . (C00–C97)  | 386                 | 8.0                     | 3.8               |
| 6                              | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 69                  | 4.3                     | 0.7               | 4                                     | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 365                 | 7.6                     | 3.6               |
| 7                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 29                  | 1.8                     | 0.3               | 5                                     | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 221                 | 4.6                     | 2.2               |
| 8                              | Cerebrovascular diseases . . . . . (I60–I69)   | 21                  | 1.3                     | 0.2               | 6                                     | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 131                 | 2.7                     | 1.3               |
| 8                              | Influenza and pneumonia . . . . . (J10–J18)  | 21                  | 1.3                     | 0.2               | 7                                     | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 89                  | 1.9                     | 0.9               |
| 10                             | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 17                  | 1.1                     | *                 | 8                                     | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 67                  | 1.4                     | 0.7               |
| ...                            | All other causes (residual) . . . . .  | 395                 | 24.8                    | 3.8               | 8                                     | Cerebrovascular diseases . . . . . (I60–I69)   | 67                  | 1.4                     | 0.7               |
| See footnotes at end of table. |  |                     |                         |                   | 10                                    | Diabetes mellitus . . . . . (E10–E14)  | 60                  | 1.2                     | 0.6               |
|                                |  |                     |                         |                   | ...                                   | All other causes (residual) . . . . .  | 1,071               | 22.3                    | 10.5              |

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                    | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--------------------------------|--|---------------------|-------------------------|-------------------|--------------------------------------|--|---------------------|-------------------------|-------------------|
| All races, female, 25–34 years |  |                     |                         |                   | All races, female, 55–64 years       |  |                     |                         |                   |
| ...                            | All causes . . . . .   | 12,509              | 100.0                   | 63.5              | ...                                  | All causes . . . . .   | 106,665             | 100.0                   | 707.4             |
| 1                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 3,161               | 25.3                    | 16.0              | 1                                    | Malignant neoplasms . . . . . (C00–C97)  | 44,218              | 41.5                    | 293.2             |
| 2                              | Malignant neoplasms . . . . . (C00–C97)  | 1,883               | 15.1                    | 9.6               | 2                                    | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 19,825              | 18.6                    | 131.5             |
| 3                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 1,020               | 8.2                     | 5.2               | 3                                    | Chronic lower respiratory diseases . . . . . (J40–J47)   | 5,725               | 5.4                     | 38.0              |
| 4                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 932                 | 7.5                     | 4.7               | 4                                    | Diabetes mellitus . . . . . (E10–E14)  | 4,627               | 4.3                     | 30.7              |
| 5                              | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 731                 | 5.8                     | 3.7               | 5                                    | Cerebrovascular diseases . . . . . (I60–I69)   | 4,443               | 4.2                     | 29.5              |
| 6                              | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 551                 | 4.4                     | 2.8               | 6                                    | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 3,089               | 2.9                     | 20.5              |
| 7                              | Pregnancy, childbirth and the puerperium . . . . . (O00–O99)   | 287                 | 2.3                     | 1.5               | 7                                    | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 1,982               | 1.9                     | 13.1              |
| 8                              | Cerebrovascular diseases . . . . . (I60–I69)   | 283                 | 2.3                     | 1.4               | 8                                    | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 1,843               | 1.7                     | 12.2              |
| 9                              | Diabetes mellitus . . . . . (E10–E14)  | 259                 | 2.1                     | 1.3               | 9                                    | Septicemia . . . . . (A40–A41)   | 1,811               | 1.7                     | 12.0              |
| 10                             | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 185                 | 1.5                     | 0.9               | 10                                   | Influenza and pneumonia . . . . . (J10–J18)  | 1,331               | 1.2                     | 8.8               |
| ...                            | All other causes (residual) . . . . .  | 3,217               | 25.7                    | 16.3              | ...                                  | All other causes (residual) . . . . .  | 17,771              | 16.7                    | 117.8             |
| All races, female, 35–44 years |  |                     |                         |                   | All races, female, 65 years and over |  |                     |                         |                   |
| ...                            | All causes . . . . .   | 31,685              | 100.0                   | 143.5             | ...                                  | All causes . . . . .   | 972,459             | 100.0                   | 4,600.0           |
| 1                              | Malignant neoplasms . . . . . (C00–C97)  | 8,315               | 26.2                    | 37.7              | 1                                    | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 294,488             | 30.3                    | 1,393.0           |
| 2                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 4,800               | 15.1                    | 21.7              | 2                                    | Malignant neoplasms . . . . . (C00–C97)  | 187,199             | 19.3                    | 885.5             |
| 3                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 3,914               | 12.4                    | 17.7              | 3                                    | Cerebrovascular diseases . . . . . (I60–I69)   | 82,447              | 8.5                     | 390.0             |
| 4                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 1,571               | 5.0                     | 7.1               | 4                                    | Chronic lower respiratory diseases . . . . . (J40–J47)   | 55,208              | 5.7                     | 261.2             |
| 5                              | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 1,360               | 4.3                     | 6.2               | 5                                    | Alzheimer's disease . . . . . (G30)  | 46,635              | 4.8                     | 220.6             |
| 6                              | Cerebrovascular diseases . . . . . (I60–I69)   | 1,121               | 3.5                     | 5.1               | 6                                    | Influenza and pneumonia . . . . . (J10–J18)  | 29,930              | 3.1                     | 141.6             |
| 7                              | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 883                 | 2.8                     | 4.0               | 7                                    | Diabetes mellitus . . . . . (E10–E14)  | 29,922              | 3.1                     | 141.5             |
| 8                              | Diabetes mellitus . . . . . (E10–E14)  | 768                 | 2.4                     | 3.5               | 8                                    | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 18,809              | 1.9                     | 89.0              |
| 9                              | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 760                 | 2.4                     | 3.4               | 9                                    | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 17,788              | 1.8                     | 84.1              |
| 10                             | Chronic lower respiratory diseases . . . . . (J40–J47)   | 456                 | 1.4                     | 2.1               | 10                                   | Septicemia . . . . . (A40–A41)   | 14,683              | 1.5                     | 69.5              |
| ...                            | All other causes (residual) . . . . .  | 7,737               | 24.4                    | 35.0              | ...                                  | All other causes (residual) . . . . .  | 195,350             | 20.1                    | 924.1             |
| All races, female, 45–54 years |  |                     |                         |                   | All races, female, 65–74 years       |  |                     |                         |                   |
| ...                            | All causes . . . . .   | 66,534              | 100.0                   | 314.3             | ...                                  | All causes . . . . .   | 176,775             | 100.0                   | 1,761.4           |
| 1                              | Malignant neoplasms . . . . . (C00–C97)  | 24,088              | 36.2                    | 113.8             | 1                                    | Malignant neoplasms . . . . . (C00–C97)  | 62,930              | 35.6                    | 627.1             |
| 2                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 10,506              | 15.8                    | 49.6              | 2                                    | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 38,999              | 22.1                    | 388.6             |
| 3                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 4,954               | 7.4                     | 23.4              | 3                                    | Chronic lower respiratory diseases . . . . . (J40–J47)   | 13,887              | 7.9                     | 138.4             |
| 4                              | Cerebrovascular diseases . . . . . (I60–I69)   | 2,772               | 4.2                     | 13.1              | 4                                    | Cerebrovascular diseases . . . . . (I60–I69)   | 9,694               | 5.5                     | 96.6              |
| 5                              | Diabetes mellitus . . . . . (E10–E14)  | 2,191               | 3.3                     | 10.4              | 5                                    | Diabetes mellitus . . . . . (E10–E14)  | 7,663               | 4.3                     | 76.4              |
| 6                              | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 2,114               | 3.2                     | 10.0              | 6                                    | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 3,442               | 1.9                     | 34.3              |
| 7                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 1,828               | 2.7                     | 8.6               | 7                                    | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 3,124               | 1.8                     | 31.1              |
| 8                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,705               | 2.6                     | 8.1               | 8                                    | Septicemia . . . . . (A40–A41)   | 2,966               | 1.7                     | 29.6              |
| 9                              | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 1,095               | 1.6                     | 5.2               | 9                                    | Influenza and pneumonia . . . . . (J10–J18)  | 2,777               | 1.6                     | 27.7              |
| 10                             | Septicemia . . . . . (A40–A41)   | 1,044               | 1.6                     | 4.9               | 10                                   | Alzheimer's disease . . . . . (G30)  | 2,083               | 1.2                     | 20.8              |
| ...                            | All other causes (residual) . . . . .  | 14,237              | 21.4                    | 67.3              | ...                                  | All other causes (residual) . . . . .  | 29,210              | 16.5                    | 291.1             |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                        | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--|--|---------------------|-------------------------|-------------------|--------------------------------|--|---------------------|-------------------------|-------------------|
| All races, female, 75–84 years           |  |                     |                         |                   | White, both sexes, 1–4 years   |  |                     |                         |                   |
| ...                                      | All causes . . . . .   | 350,561             | 100.0                   | 4,521.8           | ...                            | All causes . . . . .   | 3,363               | 100.0                   | 27.0              |
| 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 96,567              | 27.5                    | 1,245.6           | 1                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,242               | 36.9                    | 10.0              |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 79,351              | 22.6                    | 1,023.5           | 2                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 400                 | 11.9                    | 3.2               |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 29,067              | 8.3                     | 374.9             | 3                              | Malignant neoplasms . . . . . (C00–C97)  | 311                 | 9.2                     | 2.5               |
| 4  | Chronic lower respiratory diseases . . . (J40–J47)   | 24,313              | 6.9                     | 313.6             | 4                              | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 201                 | 6.0                     | 1.6               |
| 5  | Alzheimer's disease . . . . . (G30)  | 14,105              | 4.0                     | 181.9             | 5                              | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 116                 | 3.4                     | 0.9               |
| 6  | Diabetes mellitus . . . . . (E10–E14)  | 12,376              | 3.5                     | 159.6             | 6                              | Influenza and pneumonia . . . . . (J10–J18)  | 77                  | 2.3                     | 0.6               |
| 7  | Influenza and pneumonia . . . . . (J10–J18)  | 9,053               | 2.6                     | 116.8             | 7                              | Septicemia . . . . . (A40–A41)   | 60                  | 1.8                     | 0.5               |
| 8  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 7,051               | 2.0                     | 90.9              | 8                              | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 43                  | 1.3                     | 0.3               |
| 9  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 6,427               | 1.8                     | 82.9              | 9                              | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 33                  | 1.0                     | 0.3               |
| 10                                       | Septicemia . . . . . (A40–A41)   | 5,716               | 1.6                     | 73.7              | 10                             | Cerebrovascular diseases . . . . . (I60–I69)   | 28                  | 0.8                     | 0.2               |
| ...                                      | All other causes (residual) . . . . .  | 66,535              | 19.0                    | 858.2             | ...                            | All other causes (residual) . . . . .  | 852                 | 25.3                    | 6.8               |
| All races, female, 85 years and over     |  |                     |                         |                   | White, both sexes, 5–9 years   |  |                     |                         |                   |
| ...                                      | All causes . . . . .   | 445,123             | 100.0                   | 13,280.3          | ...                            | All causes . . . . .   | 2,043               | 100.0                   | 13.4              |
| 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 158,922             | 35.7                    | 4,741.5           | 1                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 792                 | 38.8                    | 5.2               |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 44,918              | 10.1                    | 1,340.1           | 2                              | Malignant neoplasms . . . . . (C00–C97)  | 415                 | 20.3                    | 2.7               |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 43,686              | 9.8                     | 1,303.4           | 3                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 147                 | 7.2                     | 1.0               |
| 4  | Alzheimer's disease . . . . . (G30)  | 30,447              | 6.8                     | 908.4             | 4                              | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 74                  | 3.6                     | 0.5               |
| 5  | Influenza and pneumonia . . . . . (J10–J18)  | 18,100              | 4.1                     | 540.0             | 5                              | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 54                  | 2.6                     | 0.4               |
| 6  | Chronic lower respiratory diseases . . . (J40–J47)   | 17,008              | 3.8                     | 507.4             | 6                              | Septicemia . . . . . (A40–A41)   | 31                  | 1.5                     | 0.2               |
| 7  | Diabetes mellitus . . . . . (E10–E14)  | 9,883               | 2.2                     | 294.9             | 7                              | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 30                  | 1.5                     | 0.2               |
| 8  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 8,316               | 1.9                     | 248.1             | 8                              | Cerebrovascular diseases . . . . . (I60–I69)   | 26                  | 1.3                     | 0.2               |
| 9  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 8,237               | 1.9                     | 245.8             | 9                              | Influenza and pneumonia . . . . . (J10–J18)  | 19                  | 0.9                     | *                 |
| 10                                       | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 7,145               | 1.6                     | 213.2             | 10                             | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 18                  | 0.9                     | *                 |
| ...                                      | All other causes (residual) . . . . .  | 98,461              | 22.1                    | 2,937.6           | ...                            | All other causes (residual) . . . . .  | 437                 | 21.4                    | 2.9               |
| White, both sexes, all ages <sup>3</sup> |  |                     |                         |                   | White, both sexes, 10–14 years |  |                     |                         |                   |
| ...                                      | All causes . . . . .   | 2,056,643           | 100.0                   | 863.2             | ...                            | All causes . . . . .   | 2,857               | 100.0                   | 17.4              |
| 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 565,703             | 27.5                    | 237.4             | 1                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,161               | 40.6                    | 7.1               |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 478,134             | 23.2                    | 200.7             | 2                              | Malignant neoplasms . . . . . (C00–C97)  | 378                 | 13.2                    | 2.3               |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 127,868             | 6.2                     | 53.7              | 3                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 217                 | 7.6                     | 1.3               |
| 4  | Chronic lower respiratory diseases . . . (J40–J47)   | 112,914             | 5.5                     | 47.4              | 4                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 140                 | 4.9                     | 0.9               |
| 5  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 95,890              | 4.7                     | 40.2              | 5                              | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 110                 | 3.9                     | 0.7               |
| 6  | Alzheimer's disease . . . . . (G30)  | 61,087              | 3.0                     | 25.6              | 6                              | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 105                 | 3.7                     | 0.6               |
| 7  | Diabetes mellitus . . . . . (E10–E14)  | 58,087              | 2.8                     | 24.4              | 7                              | Influenza and pneumonia . . . . . (J10–J18)  | 38                  | 1.3                     | 0.2               |
| 8  | Influenza and pneumonia . . . . . (J10–J18)  | 52,430              | 2.5                     | 22.0              | 8                              | Chronic lower respiratory diseases . . . (J40–J47)   | 36                  | 1.3                     | 0.2               |
| 9  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 33,691              | 1.6                     | 14.1              | 9                              | Cerebrovascular diseases . . . . . (I60–I69)   | 32                  | 1.1                     | 0.2               |
| 10                                       | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 29,251              | 1.4                     | 12.3              | 10                             | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 29                  | 1.0                     | 0.2               |
| ...                                      | All other causes (residual) . . . . .  | 441,588             | 21.5                    | 185.3             | ...                            | All other causes (residual) . . . . .  | 611                 | 21.4                    | 3.7               |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--------------------------------|--|---------------------|-------------------------|-------------------|--------------------------------|--|---------------------|-------------------------|-------------------|
| White, both sexes, 15–19 years |  |                     |                         |                   | White, both sexes, 35–44 years |  |                     |                         |                   |
| ...                            | All causes . . . . .   | 10,450              | 100.0                   | 64.4              | ...                            | All causes . . . . .   | 64,040              | 100.0                   | 179.8             |
| 1                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 5,850               | 56.0                    | 36.0              | 1                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 13,841              | 21.6                    | 38.9              |
| 2                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 1,425               | 13.6                    | 8.8               | 2                              | Malignant neoplasms . . . . . (C00–C97)  | 11,386              | 17.8                    | 32.0              |
| 3                              | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 822                 | 7.9                     | 5.1               | 3                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 9,351               | 14.6                    | 26.3              |
| 4                              | Malignant neoplasms . . . . . (C00–C97)  | 581                 | 5.6                     | 3.6               | 4                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 6,031               | 9.4                     | 16.9              |
| 5                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 233                 | 2.2                     | 1.4               | 5                              | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 2,327               | 3.6                     | 6.5               |
| 6                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 185                 | 1.8                     | 1.1               | 6                              | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 2,196               | 3.4                     | 6.2               |
| 7                              | Influenza and pneumonia . . . . . (J10–J18)  | 53                  | 0.5                     | 0.3               | 7                              | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 1,592               | 2.5                     | 4.5               |
| 8                              | Cerebrovascular diseases . . . . . (I60–I69)   | 50                  | 0.5                     | 0.3               | 8                              | Cerebrovascular diseases . . . . . (I60–I69)   | 1,557               | 2.4                     | 4.4               |
| 9                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 39                  | 0.4                     | 0.2               | 9                              | Diabetes mellitus . . . . . (E10–E14)  | 1,421               | 2.2                     | 4.0               |
| 10                             | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 35                  | 0.3                     | 0.2               | 10                             | Chronic lower respiratory diseases . . . . . (J40–J47)   | 644                 | 1.0                     | 1.8               |
| ...                            | All other causes (residual) . . . . .  | 1,177               | 11.3                    | 7.3               | ...                            | All other causes (residual) . . . . .  | 13,694              | 21.4                    | 38.4              |
| White, both sexes, 20–24 years |  |                     |                         |                   | White, both sexes, 45–54 years |  |                     |                         |                   |
| ...                            | All causes . . . . .   | 14,563              | 100.0                   | 88.3              | ...                            | All causes . . . . .   | 135,719             | 100.0                   | 394.0             |
| 1                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 7,324               | 50.3                    | 44.4              | 1                              | Malignant neoplasms . . . . . (C00–C97)  | 39,028              | 28.8                    | 113.3             |
| 2                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 2,185               | 15.0                    | 13.2              | 2                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 27,969              | 20.6                    | 81.2              |
| 3                              | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 1,304               | 9.0                     | 7.9               | 3                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 14,030              | 10.3                    | 40.7              |
| 4                              | Malignant neoplasms . . . . . (C00–C97)  | 742                 | 5.1                     | 4.5               | 4                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 6,420               | 4.7                     | 18.6              |
| 5                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 445                 | 3.1                     | 2.7               | 5                              | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 6,348               | 4.7                     | 18.4              |
| 6                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 167                 | 1.1                     | 1.0               | 6                              | Diabetes mellitus . . . . . (E10–E14)  | 3,993               | 2.9                     | 11.6              |
| 7                              | Cerebrovascular diseases . . . . . (I60–I69)   | 102                 | 0.7                     | 0.6               | 7                              | Cerebrovascular diseases . . . . . (I60–I69)   | 3,943               | 2.9                     | 11.4              |
| 8                              | Influenza and pneumonia . . . . . (J10–J18)  | 89                  | 0.6                     | 0.5               | 8                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 2,830               | 2.1                     | 8.2               |
| 9                              | Diabetes mellitus . . . . . (E10–E14)  | 71                  | 0.5                     | 0.4               | 9                              | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 1,900               | 1.4                     | 5.5               |
| 10                             | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 64                  | 0.4                     | 0.4               | 10                             | Viral hepatitis . . . . . (B15–B19)  | 1,789               | 1.3                     | 5.2               |
| ...                            | All other causes (residual) . . . . .  | 2,070               | 14.2                    | 12.5              | ...                            | All other causes (residual) . . . . .  | 27,469              | 20.2                    | 79.7              |
| White, both sexes, 25–34 years |  |                     |                         |                   | White, both sexes, 55–64 years |  |                     |                         |                   |
| ...                            | All causes . . . . .   | 29,275              | 100.0                   | 92.9              | ...                            | All causes . . . . .   | 214,171             | 100.0                   | 863.5             |
| 1                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 10,787              | 36.8                    | 34.2              | 1                              | Malignant neoplasms . . . . . (C00–C97)  | 81,073              | 37.9                    | 326.9             |
| 2                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 4,288               | 14.6                    | 13.6              | 2                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 50,449              | 23.6                    | 203.4             |
| 3                              | Malignant neoplasms . . . . . (C00–C97)  | 2,783               | 9.5                     | 8.8               | 3                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 10,483              | 4.9                     | 42.3              |
| 4                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 2,040               | 7.0                     | 6.5               | 4                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 8,078               | 3.8                     | 32.6              |
| 5                              | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 1,920               | 6.6                     | 6.1               | 5                              | Diabetes mellitus . . . . . (E10–E14)  | 8,030               | 3.7                     | 32.4              |
| 6                              | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 503                 | 1.7                     | 1.6               | 6                              | Cerebrovascular diseases . . . . . (I60–I69)   | 7,103               | 3.3                     | 28.6              |
| 7                              | Diabetes mellitus . . . . . (E10–E14)  | 396                 | 1.4                     | 1.3               | 7                              | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 5,619               | 2.6                     | 22.7              |
| 8                              | Cerebrovascular diseases . . . . . (I60–I69)   | 373                 | 1.3                     | 1.2               | 8                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 3,751               | 1.8                     | 15.1              |
| 9                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 345                 | 1.2                     | 1.1               | 9                              | Septicemia . . . . . (A40–A41)   | 2,727               | 1.3                     | 11.0              |
| 10                             | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 251                 | 0.9                     | 0.8               | 10                             | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 2,552               | 1.2                     | 10.3              |
| ...                            | All other causes (residual) . . . . .  | 5,589               | 19.1                    | 17.7              | ...                            | All other causes (residual) . . . . .  | 34,306              | 16.0                    | 138.3             |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                    | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                    | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--------------------------------------|--|---------------------|-------------------------|-------------------|--------------------------------------|--|---------------------|-------------------------|-------------------|
| White, both sexes, 65 years and over |  |                     |                         |                   | White, both sexes, 85 years and over |  |                     |                         |                   |
| ...                                  | All causes . . . . .   | 1,561,662           | 100.0                   | 4,896.2           | ...                                  | All causes . . . . .   | 613,740             | 100.0                   | 14,010.1          |
| 1                                    | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 474,630             | 30.4                    | 1,488.1           | 1                                    | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 218,052             | 35.5                    | 4,977.6           |
| 2                                    | Malignant neoplasms . . . . .(C00–C97)   | 341,368             | 21.9                    | 1,070.3           | 2                                    | Malignant neoplasms . . . . .(C00–C97)   | 72,704              | 11.8                    | 1,659.7           |
| 3                                    | Cerebrovascular diseases . . . . .(I60–I69)  | 114,572             | 7.3                     | 359.2             | 3                                    | Cerebrovascular diseases . . . . .(I60–I69)  | 55,101              | 9.0                     | 1,257.8           |
| 4                                    | Chronic lower respiratory diseases . . (J40–J47)   | 98,617              | 6.3                     | 309.2             | 4                                    | Alzheimer's disease . . . . .(G30)   | 37,094              | 6.0                     | 846.8             |
| 5                                    | Alzheimer's disease . . . . .(G30)   | 60,487              | 3.9                     | 189.6             | 5                                    | Chronic lower respiratory diseases . . (J40–J47)   | 27,602              | 4.5                     | 630.1             |
| 6                                    | Influenza and pneumonia . . . . .(J10–J18)   | 47,221              | 3.0                     | 148.0             | 6                                    | Influenza and pneumonia . . . . .(J10–J18)   | 25,877              | 4.2                     | 590.7             |
| 7                                    | Diabetes mellitus . . . . .(E10–E14)   | 44,121              | 2.8                     | 138.3             | 7                                    | Accidents (unintentional injuries) . . . . .(V01–X59,Y85–Y86)  | 12,700              | 2.1                     | 289.9             |
| 8                                    | Accidents (unintentional injuries) . . . . .(V01–X59,Y85–Y86)  | 32,000              | 2.0                     | 100.3             | 8                                    | Diabetes mellitus . . . . .(E10–E14)   | 12,677              | 2.1                     | 289.4             |
| 9                                    | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 29,181              | 1.9                     | 91.5              | 9                                    | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 12,188              | 2.0                     | 278.2             |
| 10                                   | Septicemia . . . . .(A40–A41)  | 21,312              | 1.4                     | 66.8              | 10                                   | Essential (primary) hypertension and hypertensive renal disease . . . . .(I10,I12)                                       | 8,242               | 1.3                     | 188.1             |
| ...                                  | All other causes (residual) . . . . .  | 298,153             | 19.1                    | 934.8             | ...                                  | All other causes (residual) . . . . .  | 131,503             | 21.4                    | 3,001.9           |
| White, both sexes, 65–74 years       |  |                     |                         |                   | White, male, all ages <sup>3</sup>   |  |                     |                         |                   |
| ...                                  | All causes . . . . .   | 338,262             | 100.0                   | 2,120.4           | ...                                  | All causes . . . . .   | 1,007,266           | 100.0                   | 854.2             |
| 1                                    | Malignant neoplasms . . . . .(C00–C97)   | 120,167             | 35.5                    | 753.3             | 1                                    | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 278,914             | 27.7                    | 236.5             |
| 2                                    | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 83,145              | 24.6                    | 521.2             | 2                                    | Malignant neoplasms . . . . .(C00–C97)   | 247,450             | 24.6                    | 209.9             |
| 3                                    | Chronic lower respiratory diseases . . (J40–J47)   | 26,273              | 7.8                     | 164.7             | 3                                    | Accidents (unintentional injuries) . . . . .(V01–X59,Y85–Y86)  | 61,267              | 6.1                     | 52.0              |
| 4                                    | Cerebrovascular diseases . . . . .(I60–I69)  | 15,799              | 4.7                     | 99.0              | 4                                    | Chronic lower respiratory diseases . . (J40–J47)   | 53,622              | 5.3                     | 45.5              |
| 5                                    | Diabetes mellitus . . . . .(E10–E14)   | 12,456              | 3.7                     | 78.1              | 5                                    | Cerebrovascular diseases . . . . .(I60–I69)  | 49,296              | 4.9                     | 41.8              |
| 6                                    | Accidents (unintentional injuries) . . . . .(V01–X59,Y85–Y86)  | 7,006               | 2.1                     | 43.9              | 6                                    | Diabetes mellitus . . . . .(E10–E14)   | 28,629              | 2.8                     | 24.3              |
| 7                                    | Influenza and pneumonia . . . . .(J10–J18)   | 5,330               | 1.6                     | 33.4              | 7                                    | Influenza and pneumonia . . . . .(J10–J18)   | 23,348              | 2.3                     | 19.8              |
| 8                                    | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 5,254               | 1.6                     | 32.9              | 8                                    | Intentional self-harm (suicide) . . . . .(*U03,X60–X84,Y87.0)  | 23,081              | 2.3                     | 19.6              |
| 9                                    | Septicemia . . . . .(A40–A41)  | 4,649               | 1.4                     | 29.1              | 9                                    | Alzheimer's disease . . . . .(G30)   | 17,605              | 1.7                     | 14.9              |
| 10                                   | Chronic liver disease and cirrhosis . . . . .(K70,K73–K74)   | 4,613               | 1.4                     | 28.9              | 10                                   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 16,349              | 1.6                     | 13.9              |
| ...                                  | All other causes (residual) . . . . .  | 53,570              | 15.8                    | 335.8             | ...                                  | All other causes (residual) . . . . .  | 207,705             | 20.6                    | 176.1             |
| White, both sexes, 75–84 years       |  |                     |                         |                   | White, male, 1–4 years               |  |                     |                         |                   |
| ...                                  | All causes . . . . .   | 609,660             | 100.0                   | 5,272.8           | ...                                  | All causes . . . . .   | 1,878               | 100.0                   | 29.4              |
| 1                                    | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 173,433             | 28.4                    | 1,500.0           | 1                                    | Accidents (unintentional injuries) . . . . .(V01–X59,Y85–Y86)  | 734                 | 39.1                    | 11.5              |
| 2                                    | Malignant neoplasms . . . . .(C00–C97)   | 148,497             | 24.4                    | 1,284.3           | 2                                    | Congenital malformations, deformations and chromosomal abnormalities . . . . .(Q00–Q99)                                  | 222                 | 11.8                    | 3.5               |
| 3                                    | Chronic lower respiratory diseases . . (J40–J47)   | 44,742              | 7.3                     | 387.0             | 3                                    | Malignant neoplasms . . . . .(C00–C97)   | 161                 | 8.6                     | 2.5               |
| 4                                    | Cerebrovascular diseases . . . . .(I60–I69)  | 43,672              | 7.2                     | 377.7             | 4                                    | Assault (homicide) . . . . .(*U01–*U02,X85–Y09,Y87.1)  | 113                 | 6.0                     | 1.8               |
| 5                                    | Alzheimer's disease . . . . .(G30)   | 20,130              | 3.3                     | 174.1             | 5                                    | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 61                  | 3.2                     | 1.0               |
| 6                                    | Diabetes mellitus . . . . .(E10–E14)   | 18,988              | 3.1                     | 164.2             | 6                                    | Influenza and pneumonia . . . . .(J10–J18)   | 32                  | 1.7                     | 0.5               |
| 7                                    | Influenza and pneumonia . . . . .(J10–J18)   | 16,014              | 2.6                     | 138.5             | 7                                    | Septicemia . . . . .(A40–A41)  | 29                  | 1.5                     | 0.5               |
| 8                                    | Accidents (unintentional injuries) . . . . .(V01–X59,Y85–Y86)  | 12,294              | 2.0                     | 106.3             | 8                                    | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . .(D00–D48)                    | 22                  | 1.2                     | 0.3               |
| 9                                    | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 11,739              | 1.9                     | 101.5             | 8                                    | Certain conditions originating in the perinatal period . . . . .(P00–P96)  | 22                  | 1.2                     | 0.3               |
| 10                                   | Septicemia . . . . .(A40–A41)  | 8,859               | 1.5                     | 76.6              | 10                                   | Cerebrovascular diseases . . . . .(I60–I69)  | 18                  | 1.0                     | *                 |
| ...                                  | All other causes (residual) . . . . .  | 111,292             | 18.3                    | 962.5             | ...                                  | All other causes (residual) . . . . .  | 464                 | 24.7                    | 7.3               |

See footnotes at end of table.



**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>        | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>        | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--------------------------|--|---------------------|-------------------------|-------------------|--------------------------|--|---------------------|-------------------------|-------------------|
| White, male, 5–9 years   |  |                     |                         |                   | White, male, 20–24 years |  |                     |                         |                   |
| ...                      | All causes . . . . .   | 1,178               | 100.0                   | 15.1              | ...                      | All causes . . . . .   | 11,039              | 100.0                   | 129.1             |
| 1                        | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 474                 | 40.2                    | 6.1               | 1                        | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 5,725               | 51.9                    | 67.0              |
| 2                        | Malignant neoplasms . . . . . (C00–C97)  | 242                 | 20.5                    | 3.1               | 2                        | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 1,884               | 17.1                    | 22.0              |
| 3                        | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 85                  | 7.2                     | 1.1               | 3                        | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 1,067               | 9.7                     | 12.5              |
| 4                        | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 36                  | 3.1                     | 0.5               | 4                        | Malignant neoplasms . . . . . (C00–C97)  | 451                 | 4.1                     | 5.3               |
| 5                        | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 22                  | 1.9                     | 0.3               | 5                        | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 306                 | 2.8                     | 3.6               |
| 6                        | Septicemia . . . . . (A40–A41)   | 17                  | 1.4                     | *                 | 6                        | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 92                  | 0.8                     | 1.1               |
| 7                        | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 16                  | 1.4                     | *                 | 7                        | Influenza and pneumonia . . . . . (J10–J18)  | 64                  | 0.6                     | 0.7               |
| 8                        | Cerebrovascular diseases . . . . . (I60–I69)   | 14                  | 1.2                     | *                 | 8                        | Cerebrovascular diseases . . . . . (I60–I69)   | 55                  | 0.5                     | 0.6               |
| 9                        | Influenza and pneumonia . . . . . (J10–J18)  | 11                  | 0.9                     | *                 | 9                        | Diabetes mellitus . . . . . (E10–E14)  | 37                  | 0.3                     | 0.4               |
| 9                        | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 11                  | 0.9                     | *                 | 10                       | Legal intervention . . . . . (Y35,Y89.0)   | 33                  | 0.3                     | 0.4               |
| ...                      | All other causes (residual) . . . . .  | 250                 | 21.2                    | 3.2               | ...                      | All other causes (residual) . . . . .  | 1,325               | 12.0                    | 15.5              |
| White, male, 10–14 years |  |                     |                         |                   | White, male, 25–34 years |  |                     |                         |                   |
| ...                      | All causes . . . . .   | 1,727               | 100.0                   | 20.6              | ...                      | All causes . . . . .   | 20,584              | 100.0                   | 127.0             |
| 1                        | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 749                 | 43.4                    | 8.9               | 1                        | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 8,180               | 39.7                    | 50.5              |
| 2                        | Malignant neoplasms . . . . . (C00–C97)  | 211                 | 12.2                    | 2.5               | 2                        | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 3,526               | 17.1                    | 21.8              |
| 3                        | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 142                 | 8.2                     | 1.7               | 3                        | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 1,501               | 7.3                     | 9.3               |
| 4                        | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 77                  | 4.5                     | 0.9               | 4                        | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 1,431               | 7.0                     | 8.8               |
| 5                        | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 73                  | 4.2                     | 0.9               | 5                        | Malignant neoplasms . . . . . (C00–C97)  | 1,401               | 6.8                     | 8.6               |
| 6                        | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 60                  | 3.5                     | 0.7               | 6                        | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 392                 | 1.9                     | 2.4               |
| 7                        | Chronic lower respiratory diseases . . . . . (J40–J47)   | 22                  | 1.3                     | 0.3               | 7                        | Diabetes mellitus . . . . . (E10–E14)  | 227                 | 1.1                     | 1.4               |
| 8                        | Influenza and pneumonia . . . . . (J10–J18)  | 21                  | 1.2                     | 0.2               | 8                        | Cerebrovascular diseases . . . . . (I60–I69)   | 198                 | 1.0                     | 1.2               |
| 9                        | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 17                  | 1.0                     | *                 | 9                        | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 189                 | 0.9                     | 1.2               |
| 10                       | Cerebrovascular diseases . . . . . (I60–I69)   | 15                  | 0.9                     | *                 | 10                       | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 182                 | 0.9                     | 1.1               |
| ...                      | All other causes (residual) . . . . .  | 340                 | 19.7                    | 4.0               | ...                      | All other causes (residual) . . . . .  | 3,357               | 16.3                    | 20.7              |
| White, male, 15–19 years |  |                     |                         |                   | White, male, 35–44 years |  |                     |                         |                   |
| ...                      | All causes . . . . .   | 7,267               | 100.0                   | 87.1              | ...                      | All causes . . . . .   | 41,215              | 100.0                   | 229.1             |
| 1                        | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 4,045               | 55.7                    | 48.5              | 1                        | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 9,865               | 23.9                    | 54.8              |
| 2                        | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 1,132               | 15.6                    | 13.6              | 2                        | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 6,796               | 16.5                    | 37.8              |
| 3                        | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 660                 | 9.1                     | 7.9               | 3                        | Malignant neoplasms . . . . . (C00–C97)  | 5,068               | 12.3                    | 28.2              |
| 4                        | Malignant neoplasms . . . . . (C00–C97)  | 350                 | 4.8                     | 4.2               | 4                        | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 4,606               | 11.2                    | 25.6              |
| 5                        | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 153                 | 2.1                     | 1.8               | 5                        | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 1,777               | 4.3                     | 9.9               |
| 6                        | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 104                 | 1.4                     | 1.2               | 6                        | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 1,614               | 3.9                     | 9.0               |
| 7                        | Influenza and pneumonia . . . . . (J10–J18)  | 34                  | 0.5                     | 0.4               | 7                        | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 1,130               | 2.7                     | 6.3               |
| 8                        | Cerebrovascular diseases . . . . . (I60–I69)   | 27                  | 0.4                     | 0.3               | 8                        | Diabetes mellitus . . . . . (E10–E14)  | 905                 | 2.2                     | 5.0               |
| 9                        | Chronic lower respiratory diseases . . . . . (J40–J47)   | 25                  | 0.3                     | 0.3               | 9                        | Cerebrovascular diseases . . . . . (I60–I69)   | 842                 | 2.0                     | 4.7               |
| 10                       | Legal intervention . . . . . (Y35,Y89.0)   | 21                  | 0.3                     | 0.3               | 10                       | Influenza and pneumonia . . . . . (J10–J18)  | 348                 | 0.8                     | 1.9               |
| ...                      | All other causes (residual) . . . . .  | 716                 | 9.9                     | 8.6               | ...                      | All other causes (residual) . . . . .  | 8,264               | 20.1                    | 45.9              |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--------------------------------|--|---------------------|-------------------------|-------------------|--------------------------------|--|---------------------|-------------------------|-------------------|
| White, male, 45–54 years       |  |                     |                         |                   | White, male, 65–74 years       |  |                     |                         |                   |
| ...                            | All causes . . . . .   | 86,266              | 100.0                   | 504.0             | ...                            | All causes . . . . .   | 190,123             | 100.0                   | 2,584.0           |
| 1                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 20,911              | 24.2                    | 122.2             | 1                              | Malignant neoplasms . . . . . (C00–C97)  | 65,946              | 34.7                    | 896.3             |
| 2                              | Malignant neoplasms . . . . . (C00–C97)  | 20,108              | 23.3                    | 117.5             | 2                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 51,740              | 27.2                    | 703.2             |
| 3                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 9,933               | 11.5                    | 58.0              | 3                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 13,285              | 7.0                     | 180.6             |
| 4                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 4,716               | 5.5                     | 27.6              | 4                              | Cerebrovascular diseases . . . . . (I60–I69)   | 8,149               | 4.3                     | 110.8             |
| 5                              | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 4,604               | 5.3                     | 26.9              | 5                              | Diabetes mellitus . . . . . (E10–E14)  | 6,741               | 3.5                     | 91.6              |
| 6                              | Diabetes mellitus . . . . . (E10–E14)  | 2,508               | 2.9                     | 14.7              | 6                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 4,327               | 2.3                     | 58.8              |
| 7                              | Cerebrovascular diseases . . . . . (I60–I69)   | 2,195               | 2.5                     | 12.8              | 7                              | Influenza and pneumonia . . . . . (J10–J18)  | 2,985               | 1.6                     | 40.6              |
| 8                              | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 1,578               | 1.8                     | 9.2               | 8                              | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 2,807               | 1.5                     | 38.2              |
| 9                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,462               | 1.7                     | 8.5               | 9                              | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 2,792               | 1.5                     | 37.9              |
| 10                             | Viral hepatitis . . . . . (B15–B19)  | 1,336               | 1.5                     | 7.8               | 10                             | Septicemia . . . . . (A40–A41)   | 2,370               | 1.2                     | 32.2              |
| ...                            | All other causes (residual) . . . . .  | 16,915              | 19.6                    | 98.8              | ...                            | All other causes (residual) . . . . .  | 28,981              | 15.2                    | 393.9             |
| White, male, 55–64 years       |  |                     |                         |                   | White, male, 75–84 years       |  |                     |                         |                   |
| ...                            | All causes . . . . .   | 128,575             | 100.0                   | 1,065.9           | ...                            | All causes . . . . .   | 299,342             | 100.0                   | 6,384.8           |
| 1                              | Malignant neoplasms . . . . . (C00–C97)  | 44,020              | 34.2                    | 364.9             | 1                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 88,944              | 29.7                    | 1,897.1           |
| 2                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 35,512              | 27.6                    | 294.4             | 2                              | Malignant neoplasms . . . . . (C00–C97)  | 77,484              | 25.9                    | 1,652.7           |
| 3                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 5,438               | 4.2                     | 45.1              | 3                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 21,681              | 7.2                     | 462.4             |
| 4                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 5,284               | 4.1                     | 43.8              | 4                              | Cerebrovascular diseases . . . . . (I60–I69)   | 18,457              | 6.2                     | 393.7             |
| 5                              | Diabetes mellitus . . . . . (E10–E14)  | 4,728               | 3.7                     | 39.2              | 5                              | Diabetes mellitus . . . . . (E10–E14)  | 9,061               | 3.0                     | 193.3             |
| 6                              | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 3,950               | 3.1                     | 32.7              | 6                              | Influenza and pneumonia . . . . . (J10–J18)  | 7,979               | 2.7                     | 170.2             |
| 7                              | Cerebrovascular diseases . . . . . (I60–I69)   | 3,906               | 3.0                     | 32.4              | 7                              | Alzheimer's disease . . . . . (G30)  | 7,208               | 2.4                     | 153.7             |
| 8                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 2,885               | 2.2                     | 23.9              | 8                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 6,423               | 2.1                     | 137.0             |
| 9                              | Influenza and pneumonia . . . . . (J10–J18)  | 1,454               | 1.1                     | 12.1              | 9                              | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 6,029               | 2.0                     | 128.6             |
| 10                             | Septicemia . . . . . (A40–A41)   | 1,411               | 1.1                     | 11.7              | 10                             | Parkinson's disease . . . . . (G20–G21)  | 5,058               | 1.7                     | 107.9             |
| 10                             | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 1,411               | 1.1                     | 11.7              | ...                            | All other causes (residual) . . . . .  | 51,018              | 17.0                    | 1,088.2           |
| ...                            | All other causes (residual) . . . . .  | 18,576              | 14.4                    | 154.0             | White, male, 85 years and over |  |                     |                         |                   |
| White, male, 65 years and over |  |                     |                         |                   | ...                            | All causes . . . . .   | 207,589             | 100.0                   | 15,250.7          |
| ...                            | All causes . . . . .   | 697,054             | 100.0                   | 5,199.1           | 1                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 72,801              | 35.1                    | 5,348.4           |
| 1                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 213,485             | 30.6                    | 1,592.3           | 2                              | Malignant neoplasms . . . . . (C00–C97)  | 31,973              | 15.4                    | 2,348.9           |
| 2                              | Malignant neoplasms . . . . . (C00–C97)  | 175,403             | 25.2                    | 1,308.3           | 3                              | Cerebrovascular diseases . . . . . (I60–I69)   | 15,372              | 7.4                     | 1,129.3           |
| 3                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 46,368              | 6.7                     | 345.8             | 4                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 11,402              | 5.5                     | 837.7             |
| 4                              | Cerebrovascular diseases . . . . . (I60–I69)   | 41,978              | 6.0                     | 313.1             | 5                              | Influenza and pneumonia . . . . . (J10–J18)  | 9,331               | 4.5                     | 685.5             |
| 5                              | Influenza and pneumonia . . . . . (J10–J18)  | 20,295              | 2.9                     | 151.4             | 6                              | Alzheimer's disease . . . . . (G30)  | 8,724               | 4.2                     | 640.9             |
| 6                              | Diabetes mellitus . . . . . (E10–E14)  | 20,198              | 2.9                     | 150.6             | 7                              | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 4,992               | 2.4                     | 366.7             |
| 7                              | Alzheimer's disease . . . . . (G30)  | 17,332              | 2.5                     | 129.3             | 8                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 4,892               | 2.4                     | 359.4             |
| 8                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 15,642              | 2.2                     | 116.7             | 9                              | Diabetes mellitus . . . . . (E10–E14)  | 4,396               | 2.1                     | 323.0             |
| 9                              | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 13,813              | 2.0                     | 103.0             | 10                             | Pneumonitis due to solids and liquids . . . . . (J69)  | 3,290               | 1.6                     | 241.7             |
| 10                             | Parkinson's disease . . . . . (G20–G21)  | 9,573               | 1.4                     | 71.4              | ...                            | All other causes (residual) . . . . .  | 40,416              | 19.5                    | 2,969.2           |
| ...                            | All other causes (residual) . . . . .  | 122,967             | 17.6                    | 917.2             |                                |  |                     |                         |                   |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                    | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>          | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--------------------------------------|--|---------------------|-------------------------|-------------------|----------------------------|--|---------------------|-------------------------|-------------------|
| White, female, all ages <sup>3</sup> |  |                     |                         |                   | White, female, 10–14 years |  |                     |                         |                   |
| ...                                  | All causes . . . . .   | 1,049,377           | 100.0                   | 871.9             | ...                        | All causes . . . . .   | 1,130               | 100.0                   | 14.2              |
| 1                                    | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 286,789             | 27.3                    | 238.3             | 1                          | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 412                 | 36.5                    | 5.2               |
| 2                                    | Malignant neoplasms . . . . . (C00–C97)  | 230,684             | 22.0                    | 191.7             | 2                          | Malignant neoplasms . . . . . (C00–C97)  | 167                 | 14.8                    | 2.1               |
| 3                                    | Cerebrovascular diseases . . . . . (I60–I69)   | 78,572              | 7.5                     | 65.3              | 3                          | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 75                  | 6.6                     | 0.9               |
| 4                                    | Chronic lower respiratory diseases . . . (J40–J47)   | 59,292              | 5.7                     | 49.3              | 4                          | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 63                  | 5.6                     | 0.8               |
| 5                                    | Alzheimer's disease . . . . . (G30)  | 43,482              | 4.1                     | 36.1              | 5                          | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 45                  | 4.0                     | 0.6               |
| 6                                    | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 34,623              | 3.3                     | 28.8              | 6                          | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 37                  | 3.3                     | 0.5               |
| 7                                    | Diabetes mellitus . . . . . (E10–E14)  | 29,458              | 2.8                     | 24.5              | 7                          | Cerebrovascular diseases . . . . . (I60–I69)   | 17                  | 1.5                     | *                 |
| 8                                    | Influenza and pneumonia . . . . . (J10–J18)  | 29,082              | 2.8                     | 24.2              | 7                          | Influenza and pneumonia . . . . . (J10–J18)  | 17                  | 1.5                     | *                 |
| 9                                    | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 17,342              | 1.7                     | 14.4              | 9                          | Chronic lower respiratory diseases . . . (J40–J47)   | 14                  | 1.2                     | *                 |
| 10                                   | Septicemia . . . . . (A40–A41)   | 14,692              | 1.4                     | 12.2              | 10                         | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 12                  | 1.1                     | *                 |
| ...                                  | All other causes (residual) . . . . .  | 225,361             | 21.5                    | 187.3             | ...                        | All other causes (residual) . . . . .  | 271                 | 24.0                    | 3.4               |
| White, female, 1–4 years             |  |                     |                         |                   | White, female, 15–19 years |  |                     |                         |                   |
| ...                                  | All causes . . . . .   | 1,485               | 100.0                   | 24.4              | ...                        | All causes . . . . .   | 3,183               | 100.0                   | 40.4              |
| 1                                    | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 508                 | 34.2                    | 8.4               | 1                          | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,805               | 56.7                    | 22.9              |
| 2                                    | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 178                 | 12.0                    | 2.9               | 2                          | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 293                 | 9.2                     | 3.7               |
| 3                                    | Malignant neoplasms . . . . . (C00–C97)  | 150                 | 10.1                    | 2.5               | 3                          | Malignant neoplasms . . . . . (C00–C97)  | 231                 | 7.3                     | 2.9               |
| 4                                    | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 88                  | 5.9                     | 1.4               | 4                          | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 162                 | 5.1                     | 2.1               |
| 5                                    | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 55                  | 3.7                     | 0.9               | 5                          | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 81                  | 2.5                     | 1.0               |
| 6                                    | Influenza and pneumonia . . . . . (J10–J18)  | 45                  | 3.0                     | 0.7               | 6                          | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 80                  | 2.5                     | 1.0               |
| 7                                    | Septicemia . . . . . (A40–A41)   | 31                  | 2.1                     | 0.5               | 7                          | Pregnancy, childbirth and the puerperium . . . . . (O00–O99)   | 24                  | 0.8                     | 0.3               |
| 8                                    | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 21                  | 1.4                     | 0.3               | 8                          | Cerebrovascular diseases . . . . . (I60–I69)   | 23                  | 0.7                     | 0.3               |
| 9                                    | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 11                  | 0.7                     | *                 | 9                          | Influenza and pneumonia . . . . . (J10–J18)  | 19                  | 0.6                     | *                 |
| 10                                   | Cerebrovascular diseases . . . . . (I60–I69)   | 10                  | 0.7                     | *                 | 10                         | Septicemia . . . . . (A40–A41)   | 15                  | 0.5                     | *                 |
| ...                                  | All other causes (residual) . . . . .  | 388                 | 26.1                    | 6.4               | 10                         | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 15                  | 0.5                     | *                 |
| White, female, 5–9 years             |  |                     |                         |                   | ...                        | All other causes (residual) . . . . .  | 435                 | 13.7                    | 5.5               |
| ...                                  | All causes . . . . .   | 865                 | 100.0                   | 11.6              | White, female, 20–24 years |  |                     |                         |                   |
| 1                                    | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 318                 | 36.8                    | 4.3               | ...                        | All causes . . . . .   | 3,524               | 100.0                   | 44.3              |
| 2                                    | Malignant neoplasms . . . . . (C00–C97)  | 173                 | 20.0                    | 2.3               | 1                          | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,599               | 45.4                    | 20.1              |
| 3                                    | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 62                  | 7.2                     | 0.8               | 2                          | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 301                 | 8.5                     | 3.8               |
| 4                                    | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 38                  | 4.4                     | 0.5               | 3                          | Malignant neoplasms . . . . . (C00–C97)  | 291                 | 8.3                     | 3.7               |
| 5                                    | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 32                  | 3.7                     | 0.4               | 4                          | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 237                 | 6.7                     | 3.0               |
| 6                                    | Septicemia . . . . . (A40–A41)   | 14                  | 1.6                     | *                 | 5                          | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 139                 | 3.9                     | 1.7               |
| 6                                    | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 14                  | 1.6                     | *                 | 6                          | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 75                  | 2.1                     | 0.9               |
| 8                                    | Cerebrovascular diseases . . . . . (I60–I69)   | 12                  | 1.4                     | *                 | 7                          | Pregnancy, childbirth and the puerperium . . . . . (O00–O99)   | 64                  | 1.8                     | 0.8               |
| 9                                    | Chronic lower respiratory diseases . . . (J40–J47)   | 9                   | 1.0                     | *                 | 8                          | Cerebrovascular diseases . . . . . (I60–I69)   | 47                  | 1.3                     | 0.6               |
| 10                                   | Influenza and pneumonia . . . . . (J10–J18)  | 8                   | 0.9                     | *                 | 9                          | Diabetes mellitus . . . . . (E10–E14)  | 34                  | 1.0                     | 0.4               |
| ...                                  | All other causes (residual) . . . . .  | 185                 | 21.4                    | 2.5               | 10                         | Influenza and pneumonia . . . . . (J10–J18)  | 25                  | 0.7                     | 0.3               |
|                                      |  |                     |                         |                   | ...                        | All other causes (residual) . . . . .  | 712                 | 20.2                    | 9.0               |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                 | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                       | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|-----------------------------------|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| <b>White, female, 25–34 years</b> |  |                     |                         |                   | <b>White, female, 55–64 years</b>       |  |                     |                         |                   |
| ...                               | All causes . . . . .   | 8,691               | 100.0                   | 56.8              | ...                                     | All causes . . . . .   | 85,596              | 100.0                   | 671.8             |
| 1                                 | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 2,607               | 30.0                    | 17.0              | 1                                       | Malignant neoplasms . . . . . (C00–C97)  | 37,053              | 43.3                    | 290.8             |
| 2                                 | Malignant neoplasms . . . . . (C00–C97)  | 1,382               | 15.9                    | 9.0               | 2                                       | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 14,937              | 17.5                    | 117.2             |
| 3                                 | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 762                 | 8.8                     | 5.0               | 3                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 5,199               | 6.1                     | 40.8              |
| 4                                 | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 609                 | 7.0                     | 4.0               | 4                                       | Diabetes mellitus . . . . . (E10–E14)  | 3,302               | 3.9                     | 25.9              |
| 5                                 | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 419                 | 4.8                     | 2.7               | 5                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 3,197               | 3.7                     | 25.1              |
| 6                                 | Cerebrovascular diseases . . . . . (I60–I69)   | 175                 | 2.0                     | 1.1               | 6                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 2,640               | 3.1                     | 20.7              |
| 7                                 | Diabetes mellitus . . . . . (E10–E14)  | 169                 | 1.9                     | 1.1               | 7                                       | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 1,669               | 1.9                     | 13.1              |
| 8                                 | Pregnancy, childbirth and the puerperium . . . . . (O00–O99)   | 168                 | 1.9                     | 1.1               | 8                                       | Septicemia . . . . . (A40–A41)   | 1,316               | 1.5                     | 10.3              |
| 9                                 | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 156                 | 1.8                     | 1.0               | 9                                       | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 1,141               | 1.3                     | 9.0               |
| 10                                | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 111                 | 1.3                     | 0.7               | 10                                      | Influenza and pneumonia . . . . . (J10–J18)  | 1,056               | 1.2                     | 8.3               |
| ...                               | All other causes (residual) . . . . .  | 2,133               | 24.5                    | 13.9              | ...                                     | All other causes (residual) . . . . .  | 14,086              | 16.5                    | 110.6             |
| <b>White, female, 35–44 years</b> |  |                     |                         |                   | <b>White, female, 65 years and over</b> |  |                     |                         |                   |
| ...                               | All causes . . . . .   | 22,825              | 100.0                   | 129.5             | ...                                     | All causes . . . . .   | 864,608             | 100.0                   | 4,676.5           |
| 1                                 | Malignant neoplasms . . . . . (C00–C97)  | 6,318               | 27.7                    | 35.8              | 1                                       | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 261,145             | 30.2                    | 1,412.5           |
| 2                                 | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 3,976               | 17.4                    | 22.6              | 2                                       | Malignant neoplasms . . . . . (C00–C97)  | 165,965             | 19.2                    | 897.7             |
| 3                                 | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 2,555               | 11.2                    | 14.5              | 3                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 72,594              | 8.4                     | 392.6             |
| 4                                 | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 1,425               | 6.2                     | 8.1               | 4                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 52,249              | 6.0                     | 282.6             |
| 5                                 | Cerebrovascular diseases . . . . . (I60–I69)   | 715                 | 3.1                     | 4.1               | 5                                       | Alzheimer's disease . . . . . (G30)  | 43,155              | 5.0                     | 233.4             |
| 6                                 | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 713                 | 3.1                     | 4.0               | 6                                       | Influenza and pneumonia . . . . . (J10–J18)  | 26,926              | 3.1                     | 145.6             |
| 7                                 | Diabetes mellitus . . . . . (E10–E14)  | 516                 | 2.3                     | 2.9               | 7                                       | Diabetes mellitus . . . . . (E10–E14)  | 23,923              | 2.8                     | 129.4             |
| 8                                 | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 462                 | 2.0                     | 2.6               | 8                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 16,358              | 1.9                     | 88.5              |
| 9                                 | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 419                 | 1.8                     | 2.4               | 9                                       | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 15,368              | 1.8                     | 83.1              |
| 10                                | Chronic lower respiratory diseases . . . . . (J40–J47)   | 332                 | 1.5                     | 1.9               | 10                                      | Septicemia . . . . . (A40–A41)   | 12,162              | 1.4                     | 65.8              |
| ...                               | All other causes (residual) . . . . .  | 5,394               | 23.6                    | 30.6              | ...                                     | All other causes (residual) . . . . .  | 174,763             | 20.2                    | 945.3             |
| <b>White, female, 45–54 years</b> |  |                     |                         |                   | <b>White, female, 65–74 years</b>       |  |                     |                         |                   |
| ...                               | All causes . . . . .   | 49,453              | 100.0                   | 285.4             | ...                                     | All causes . . . . .   | 148,139             | 100.0                   | 1,723.6           |
| 1                                 | Malignant neoplasms . . . . . (C00–C97)  | 18,920              | 38.3                    | 109.2             | 1                                       | Malignant neoplasms . . . . . (C00–C97)  | 54,221              | 36.6                    | 630.8             |
| 2                                 | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 7,058               | 14.3                    | 40.7              | 2                                       | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 31,405              | 21.2                    | 365.4             |
| 3                                 | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 4,097               | 8.3                     | 23.6              | 3                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 12,988              | 8.8                     | 151.1             |
| 4                                 | Cerebrovascular diseases . . . . . (I60–I69)   | 1,748               | 3.5                     | 10.1              | 4                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 7,650               | 5.2                     | 89.0              |
| 5                                 | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 1,744               | 3.5                     | 10.1              | 5                                       | Diabetes mellitus . . . . . (E10–E14)  | 5,715               | 3.9                     | 66.5              |
| 6                                 | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 1,704               | 3.4                     | 9.8               | 6                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 2,679               | 1.8                     | 31.2              |
| 7                                 | Diabetes mellitus . . . . . (E10–E14)  | 1,485               | 3.0                     | 8.6               | 7                                       | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 2,462               | 1.7                     | 28.6              |
| 8                                 | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,368               | 2.8                     | 7.9               | 8                                       | Influenza and pneumonia . . . . . (J10–J18)  | 2,345               | 1.6                     | 27.3              |
| 9                                 | Septicemia . . . . . (A40–A41)   | 690                 | 1.4                     | 4.0               | 9                                       | Septicemia . . . . . (A40–A41)   | 2,279               | 1.5                     | 26.5              |
| 10                                | Influenza and pneumonia . . . . . (J10–J18)  | 553                 | 1.1                     | 3.2               | 10                                      | Alzheimer's disease . . . . . (G30)  | 1,863               | 1.3                     | 21.7              |
| ...                               | All other causes (residual) . . . . .  | 10,086              | 20.4                    | 58.2              | ...                                     | All other causes (residual) . . . . .  | 24,532              | 16.6                    | 285.4             |

See footnotes at end of table.



**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                        | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--|--|---------------------|-------------------------|-------------------|--------------------------------|--|---------------------|-------------------------|-------------------|
| White, female, 75–84 years               |  |                     |                         |                   | Black, both sexes, 1–4 years   |  |                     |                         |                   |
| ...                                      | All causes . . . . .   | 310,318             | 100.0                   | 4,514.4           | ...                            | All causes . . . . .   | 1,164               | 100.0                   | 44.8              |
| 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 84,489              | 27.2                    | 1,229.1           | 1                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 324                 | 27.8                    | 12.5              |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 71,013              | 22.9                    | 1,033.1           | 2                              | Assault (homicide) . . . . (*U01–*U02,X85–Y09,Y87.1)   | 163                 | 14.0                    | 6.3               |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 25,215              | 8.1                     | 366.8             | 3                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 132                 | 11.3                    | 5.1               |
| 4  | Chronic lower respiratory diseases . . . (J40–J47)   | 23,061              | 7.4                     | 335.5             | 4                              | Malignant neoplasms . . . . . (C00–C97)  | 65                  | 5.6                     | 2.5               |
| 5  | Alzheimer's disease . . . . . (G30)  | 12,922              | 4.2                     | 188.0             | 5                              | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 62                  | 5.3                     | 2.4               |
| 6  | Diabetes mellitus . . . . . (E10–E14)  | 9,927               | 3.2                     | 144.4             | 6                              | Influenza and pneumonia . . . . . (J10–J18)  | 35                  | 3.0                     | 1.3               |
| 7  | Influenza and pneumonia . . . . . (J10–J18)  | 8,035               | 2.6                     | 116.9             | 7                              | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 23                  | 2.0                     | 0.9               |
| 8  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 5,871               | 1.9                     | 85.4              | 8                              | Chronic lower respiratory diseases . . . (J40–J47)   | 22                  | 1.9                     | 0.8               |
| 9  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 5,710               | 1.8                     | 83.1              | 9                              | Septicemia . . . . . (A40–A41)   | 19                  | 1.6                     | *                 |
| 10                                       | Septicemia . . . . . (A40–A41)   | 4,754               | 1.5                     | 69.2              | 9                              | Anemias . . . . . (D50–D64)  | 19                  | 1.6                     | *                 |
| ...                                      | All other causes (residual) . . . . .  | 59,321              | 19.1                    | 863.0             | ...                            | All other causes (residual) . . . . .  | 300                 | 25.8                    | 11.5              |
| White, female, 85 years and over         |  |                     |                         |                   | Black, both sexes, 5–9 years   |  |                     |                         |                   |
| ...                                      | All causes . . . . .   | 406,151             | 100.0                   | 13,450.9          | ...                            | All causes . . . . .   | 685                 | 100.0                   | 21.6              |
| 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 145,251             | 35.8                    | 4,810.4           | 1                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 269                 | 39.3                    | 8.5               |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 40,731              | 10.0                    | 1,348.9           | 2                              | Malignant neoplasms . . . . . (C00–C97)  | 79                  | 11.5                    | 2.5               |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 39,729              | 9.8                     | 1,315.7           | 3                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 48                  | 7.0                     | 1.5               |
| 4  | Alzheimer's disease . . . . . (G30)  | 28,370              | 7.0                     | 939.6             | 4                              | Assault (homicide) . . . . (*U01–*U02,X85–Y09,Y87.1)   | 44                  | 6.4                     | 1.4               |
| 5  | Influenza and pneumonia . . . . . (J10–J18)  | 16,546              | 4.1                     | 548.0             | 5                              | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 27                  | 3.9                     | 0.9               |
| 6  | Chronic lower respiratory diseases . . . (J40–J47)   | 16,200              | 4.0                     | 536.5             | 5                              | Chronic lower respiratory diseases . . . (J40–J47)   | 27                  | 3.9                     | 0.9               |
| 7  | Diabetes mellitus . . . . . (E10–E14)  | 8,281               | 2.0                     | 274.3             | 7                              | Anemias . . . . . (D50–D64)  | 12                  | 1.8                     | *                 |
| 8  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 7,808               | 1.9                     | 258.6             | 7                              | Influenza and pneumonia . . . . . (J10–J18)  | 12                  | 1.8                     | *                 |
| 9  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 7,196               | 1.8                     | 238.3             | 9                              | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 9                   | 1.3                     | *                 |
| 10                                       | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 6,072               | 1.5                     | 201.1             | 10                             | Cerebrovascular diseases . . . . . (I60–I69)   | 8                   | 1.2                     | *                 |
| ...                                      | All other causes (residual) . . . . .  | 89,967              | 22.2                    | 2,979.5           | ...                            | All other causes (residual) . . . . .  | 150                 | 21.9                    | 4.7               |
| Black, both sexes, all ages <sup>3</sup> |  |                     |                         |                   | Black, both sexes, 10–14 years |  |                     |                         |                   |
| ...                                      | All causes . . . . .   | 287,315             | 100.0                   | 744.3             | ...                            | All causes . . . . .   | 899                 | 100.0                   | 25.3              |
| 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 74,225              | 25.8                    | 192.3             | 1                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 301                 | 33.5                    | 8.5               |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 62,499              | 21.8                    | 161.9             | 2                              | Malignant neoplasms . . . . . (C00–C97)  | 91                  | 10.1                    | 2.6               |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 18,118              | 6.3                     | 46.9              | 3                              | Assault (homicide) . . . . (*U01–*U02,X85–Y09,Y87.1)   | 87                  | 9.7                     | 2.4               |
| 4  | Diabetes mellitus . . . . . (E10–E14)  | 12,834              | 4.5                     | 33.2              | 4                              | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 53                  | 5.9                     | 1.5               |
| 5  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 12,670              | 4.4                     | 32.8              | 5                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 48                  | 5.3                     | 1.4               |
| 6  | Assault (homicide) . . . . (*U01–*U02,X85–Y09,Y87.1)   | 8,135               | 2.8                     | 21.1              | 6                              | Chronic lower respiratory diseases . . . (J40–J47)   | 37                  | 4.1                     | 1.0               |
| 7  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 7,834               | 2.7                     | 20.3              | 6                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 37                  | 4.1                     | 1.0               |
| 8  | Chronic lower respiratory diseases . . . (J40–J47)   | 7,400               | 2.6                     | 19.2              | 8                              | Diabetes mellitus . . . . . (E10–E14)  | 14                  | 1.6                     | *                 |
| 9  | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 7,271               | 2.5                     | 18.8              | 9                              | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 13                  | 1.4                     | *                 |
| 10                                       | Septicemia . . . . . (A40–A41)   | 6,010               | 2.1                     | 15.6              | 10                             | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 12                  | 1.3                     | *                 |
| ...                                      | All other causes (residual) . . . . .  | 70,319              | 24.5                    | 182.2             | ...                            | All other causes (residual) . . . . .  | 206                 | 22.9                    | 5.8               |

See footnotes at end of table.



**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--------------------------------|--|---------------------|-------------------------|-------------------|--------------------------------|--|---------------------|-------------------------|-------------------|
| Black, both sexes, 15–19 years |  |                     |                         |                   | Black, both sexes, 35–44 years |  |                     |                         |                   |
| ...                            | All causes . . . . .   | 2,680               | 100.0                   | 81.4              | ...                            | All causes . . . . .   | 18,474              | 100.0                   | 322.3             |
| 1                              | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 1,042               | 38.9                    | 31.6              | 1                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 3,236               | 17.5                    | 56.5              |
| 2                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 712                 | 26.6                    | 21.6              | 2                              | Malignant neoplasms . . . . . (C00–C97)  | 2,682               | 14.5                    | 46.8              |
| 3                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 155                 | 5.8                     | 4.7               | 3                              | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 2,554               | 13.8                    | 44.6              |
| 4                              | Malignant neoplasms . . . . . (C00–C97)  | 126                 | 4.7                     | 3.8               | 4                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 2,104               | 11.4                    | 36.7              |
| 5                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 118                 | 4.4                     | 3.6               | 5                              | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 1,297               | 7.0                     | 22.6              |
| 6                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 59                  | 2.2                     | 1.8               | 6                              | Cerebrovascular diseases . . . . . (I60–I69)   | 703                 | 3.8                     | 12.3              |
| 7                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 42                  | 1.6                     | 1.3               | 7                              | Diabetes mellitus . . . . . (E10–E14)  | 547                 | 3.0                     | 9.5               |
| 8                              | Anemias . . . . . (D50–D64)  | 30                  | 1.1                     | 0.9               | 8                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 381                 | 2.1                     | 6.6               |
| 9                              | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 24                  | 0.9                     | 0.7               | 9                              | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 317                 | 1.7                     | 5.5               |
| 10                             | Diabetes mellitus . . . . . (E10–E14)  | 20                  | 0.7                     | 0.6               | 10                             | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 310                 | 1.7                     | 5.4               |
| ...                            | All other causes (residual) . . . . .  | 352                 | 13.1                    | 10.7              | ...                            | All other causes (residual) . . . . .  | 4,343               | 23.5                    | 75.8              |
| Black, both sexes, 20–24 years |  |                     |                         |                   | Black, both sexes, 45–54 years |  |                     |                         |                   |
| ...                            | All causes . . . . .   | 4,369               | 100.0                   | 138.8             | ...                            | All causes . . . . .   | 36,710              | 100.0                   | 744.8             |
| 1                              | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 1,761               | 40.3                    | 55.9              | 1                              | Malignant neoplasms . . . . . (C00–C97)  | 8,753               | 23.8                    | 177.6             |
| 2                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 949                 | 21.7                    | 30.1              | 2                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 8,680               | 23.6                    | 176.1             |
| 3                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 310                 | 7.1                     | 9.8               | 3                              | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 2,464               | 6.7                     | 50.0              |
| 4                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 198                 | 4.5                     | 6.3               | 4                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 2,455               | 6.7                     | 49.8              |
| 5                              | Malignant neoplasms . . . . . (C00–C97)  | 185                 | 4.2                     | 5.9               | 5                              | Cerebrovascular diseases . . . . . (I60–I69)   | 1,920               | 5.2                     | 39.0              |
| 6                              | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 118                 | 2.7                     | 3.7               | 6                              | Diabetes mellitus . . . . . (E10–E14)  | 1,385               | 3.8                     | 28.1              |
| 7                              | Anemias . . . . . (D50–D64)  | 63                  | 1.4                     | 2.0               | 7                              | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 903                 | 2.5                     | 18.3              |
| 8                              | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 62                  | 1.4                     | 2.0               | 8                              | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 820                 | 2.2                     | 16.6              |
| 9                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 52                  | 1.2                     | 1.7               | 9                              | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 752                 | 2.0                     | 15.3              |
| 10                             | Diabetes mellitus . . . . . (E10–E14)  | 41                  | 0.9                     | 1.3               | 10                             | Septicemia . . . . . (A40–A41)   | 664                 | 1.8                     | 13.5              |
| ...                            | All other causes (residual) . . . . .  | 630                 | 14.4                    | 20.0              | ...                            | All other causes (residual) . . . . .  | 7,914               | 21.6                    | 160.6             |
| Black, both sexes, 25–34 years |  |                     |                         |                   | Black, both sexes, 55–64 years |  |                     |                         |                   |
| ...                            | All causes . . . . .   | 9,925               | 100.0                   | 179.3             | ...                            | All causes . . . . .   | 43,490              | 100.0                   | 1,499.6           |
| 1                              | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 2,445               | 24.6                    | 44.2              | 1                              | Malignant neoplasms . . . . . (C00–C97)  | 13,296              | 30.6                    | 458.5             |
| 2                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,740               | 17.5                    | 31.4              | 2                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 11,679              | 26.9                    | 402.7             |
| 3                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 980                 | 9.9                     | 17.7              | 3                              | Cerebrovascular diseases . . . . . (I60–I69)   | 2,433               | 5.6                     | 83.9              |
| 4                              | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 944                 | 9.5                     | 17.1              | 4                              | Diabetes mellitus . . . . . (E10–E14)  | 2,334               | 5.4                     | 80.5              |
| 5                              | Malignant neoplasms . . . . . (C00–C97)  | 667                 | 6.7                     | 12.0              | 5                              | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 1,291               | 3.0                     | 44.5              |
| 6                              | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 521                 | 5.2                     | 9.4               | 6                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,268               | 2.9                     | 43.7              |
| 7                              | Diabetes mellitus . . . . . (E10–E14)  | 183                 | 1.8                     | 3.3               | 7                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,106               | 2.5                     | 38.1              |
| 8                              | Cerebrovascular diseases . . . . . (I60–I69)   | 173                 | 1.7                     | 3.1               | 8                              | Septicemia . . . . . (A40–A41)   | 916                 | 2.1                     | 31.6              |
| 9                              | Anemias . . . . . (D50–D64)  | 129                 | 1.3                     | 2.3               | 9                              | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 860                 | 2.0                     | 29.7              |
| 10                             | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 109                 | 1.1                     | 2.0               | 10                             | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 733                 | 1.7                     | 25.3              |
| ...                            | All other causes (residual) . . . . .  | 2,034               | 20.5                    | 36.7              | ...                            | All other causes (residual) . . . . .  | 7,574               | 17.4                    | 261.2             |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                    | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                    | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--------------------------------------|--|---------------------|-------------------------|-------------------|--------------------------------------|--|---------------------|-------------------------|-------------------|
| Black, both sexes, 65 years and over |  |                     |                         |                   | Black, both sexes, 85 years and over |  |                     |                         |                   |
| ...                                  | All causes . . . . .   | 160,361             | 100.0                   | 5,202.9           | ...                                  | All causes . . . . .   | 47,300              | 100.0                   | 1,338.5           |
| 1                                    | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 49,080              | 30.6                    | 1,592.4           | 1                                    | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 16,184              | 34.2                    | 4,563.8           |
| 2                                    | Malignant neoplasms . . . . .(C00–C97)   | 36,546              | 22.8                    | 1,185.7           | 2                                    | Malignant neoplasms . . . . .(C00–C97)   | 6,291               | 13.3                    | 1,774.0           |
| 3                                    | Cerebrovascular diseases . . . . .(I60–I69)  | 12,769              | 8.0                     | 414.3             | 3                                    | Cerebrovascular diseases . . . . .(I60–I69)  | 4,295               | 9.1                     | 1,211.2           |
| 4                                    | Diabetes mellitus . . . . .(E10–E14)   | 8,305               | 5.2                     | 269.5             | 4                                    | Alzheimer's disease . . . . .(G30)   | 2,333               | 4.9                     | 657.9             |
| 5                                    | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 5,198               | 3.2                     | 168.6             | 5                                    | Diabetes mellitus . . . . .(E10–E14)   | 1,888               | 4.0                     | 532.4             |
| 6                                    | Chronic lower respiratory diseases . . (J40–J47)   | 5,170               | 3.2                     | 167.7             | 6                                    | Influenza and pneumonia . . . . .(J10–J18)   | 1,791               | 3.8                     | 505.1             |
| 7                                    | Influenza and pneumonia . . . . .(J10–J18)   | 4,218               | 2.6                     | 136.9             | 7                                    | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 1,528               | 3.2                     | 430.9             |
| 8                                    | Alzheimer's disease . . . . .(G30)   | 4,190               | 2.6                     | 135.9             | 8                                    | Essential (primary) hypertension and hypertensive renal disease . . . . .(I10,I12)                                       | 1,190               | 2.5                     | 335.6             |
| 9                                    | Septicemia . . . . .(A40–A41)  | 3,895               | 2.4                     | 126.4             | 9                                    | Chronic lower respiratory diseases . . (J40–J47)   | 1,184               | 2.5                     | 333.9             |
| 10                                   | Essential (primary) hypertension and hypertensive renal disease . . . . .(I10,I12)                                       | 3,309               | 2.1                     | 107.4             | 10                                   | Septicemia . . . . .(A40–A41)  | 1,136               | 2.4                     | 320.3             |
| ...                                  | All other causes (residual) . . . . .  | 27,681              | 17.3                    | 898.1             | ...                                  | All other causes (residual) . . . . .  | 9,480               | 20.0                    | 2,673.3           |
| Black, both sexes, 65–74 years       |  |                     |                         |                   | Black, male, all ages <sup>3</sup>   |  |                     |                         |                   |
| ...                                  | All causes . . . . .   | 51,682              | 100.0                   | 2,982.6           | ...                                  | All causes . . . . .   | 145,970             | 100.0                   | 792.6             |
| 1                                    | Malignant neoplasms . . . . .(C00–C97)   | 15,871              | 30.7                    | 915.9             | 1                                    | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 36,222              | 24.8                    | 196.7             |
| 2                                    | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 14,552              | 28.2                    | 839.8             | 2                                    | Malignant neoplasms . . . . .(C00–C97)   | 32,443              | 22.2                    | 176.2             |
| 3                                    | Cerebrovascular diseases . . . . .(I60–I69)  | 3,384               | 6.5                     | 195.3             | 3                                    | Accidents (unintentional injuries) . . . . .(V01–X59,Y85–Y86)  | 8,603               | 5.9                     | 46.7              |
| 4                                    | Diabetes mellitus . . . . .(E10–E14)   | 3,107               | 6.0                     | 179.3             | 4                                    | Cerebrovascular diseases . . . . .(I60–I69)  | 7,644               | 5.2                     | 41.5              |
| 5                                    | Chronic lower respiratory diseases . . (J40–J47)   | 1,770               | 3.4                     | 102.1             | 5                                    | Assault (homicide) . . . . .(*U01–*U02,X85–Y09,Y87.1)  | 6,839               | 4.7                     | 37.1              |
| 6                                    | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 1,653               | 3.2                     | 95.4              | 6                                    | Diabetes mellitus . . . . .(E10–E14)   | 5,565               | 3.8                     | 30.2              |
| 7                                    | Septicemia . . . . .(A40–A41)  | 1,211               | 2.3                     | 69.9              | 7                                    | Human immunodeficiency virus (HIV) disease . . . . .(B20–B24)  | 4,769               | 3.3                     | 25.9              |
| 8                                    | Essential (primary) hypertension and hypertensive renal disease . . . . .(I10,I12)                                       | 899                 | 1.7                     | 51.9              | 8                                    | Chronic lower respiratory diseases . . (J40–J47)   | 4,046               | 2.8                     | 22.0              |
| 9                                    | Influenza and pneumonia . . . . .(J10–J18)   | 863                 | 1.7                     | 49.8              | 9                                    | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 3,537               | 2.4                     | 19.2              |
| 10                                   | Accidents (unintentional injuries) . . . . .(V01–X59,Y85–Y86)  | 835                 | 1.6                     | 48.2              | 10                                   | Influenza and pneumonia . . . . .(J10–J18)   | 2,775               | 1.9                     | 15.1              |
| ...                                  | All other causes (residual) . . . . .  | 7,537               | 14.6                    | 435.0             | ...                                  | All other causes (residual) . . . . .  | 33,527              | 23.0                    | 182.0             |
| Black, both sexes, 75–84 years       |  |                     |                         |                   | Black, male, 1–4 years               |  |                     |                         |                   |
| ...                                  | All causes . . . . .   | 61,379              | 100.0                   | 6,170.4           | ...                                  | All causes . . . . .   | 641                 | 100.0                   | 48.6              |
| 1                                    | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 18,344              | 29.9                    | 1,844.1           | 1                                    | Accidents (unintentional injuries) . . . . .(V01–X59,Y85–Y86)  | 188                 | 29.3                    | 14.2              |
| 2                                    | Malignant neoplasms . . . . .(C00–C97)   | 14,384              | 23.4                    | 1,446.0           | 2                                    | Assault (homicide) . . . . .(*U01–*U02,X85–Y09,Y87.1)  | 83                  | 12.9                    | 6.3               |
| 3                                    | Cerebrovascular diseases . . . . .(I60–I69)  | 5,090               | 8.3                     | 511.7             | 3                                    | Congenital malformations, deformations and chromosomal abnormalities . . . . .(Q00–Q99)                                  | 77                  | 12.0                    | 5.8               |
| 4                                    | Diabetes mellitus . . . . .(E10–E14)   | 3,310               | 5.4                     | 332.8             | 4                                    | Malignant neoplasms . . . . .(C00–C97)   | 37                  | 5.8                     | 2.8               |
| 5                                    | Chronic lower respiratory diseases . . (J40–J47)   | 2,216               | 3.6                     | 222.8             | 5                                    | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 32                  | 5.0                     | 2.4               |
| 6                                    | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 2,017               | 3.3                     | 202.8             | 6                                    | Chronic lower respiratory diseases . . (J40–J47)   | 14                  | 2.2                     | *                 |
| 7                                    | Influenza and pneumonia . . . . .(J10–J18)   | 1,564               | 2.5                     | 157.2             | 7                                    | Certain conditions originating in the perinatal period . . . . .(P00–P96)  | 13                  | 2.0                     | *                 |
| 8                                    | Septicemia . . . . .(A40–A41)  | 1,548               | 2.5                     | 155.6             | 8                                    | Anemias . . . . .(D50–D64)   | 12                  | 1.9                     | *                 |
| 9                                    | Alzheimer's disease . . . . .(G30)   | 1,523               | 2.5                     | 153.1             | 8                                    | Influenza and pneumonia . . . . .(J10–J18)   | 12                  | 1.9                     | *                 |
| 10                                   | Essential (primary) hypertension and hypertensive renal disease . . . . .(I10,I12)                                       | 1,220               | 2.0                     | 122.6             | 10                                   | Septicemia . . . . .(A40–A41)  | 9                   | 1.4                     | *                 |
| ...                                  | All other causes (residual) . . . . .  | 10,163              | 16.6                    | 1,021.7           | ...                                  | All other causes (residual) . . . . .  | 164                 | 25.6                    | 12.4              |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>        | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>        | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--------------------------|--|---------------------|-------------------------|-------------------|--------------------------|--|---------------------|-------------------------|-------------------|
| Black, male, 5–9 years   |  |                     |                         |                   | Black, male, 15–19 years |  |                     |                         |                   |
| ...                      | All causes . . . . .   | 372                 | 100.0                   | 23.1              | ...                      | All causes . . . . .   | 2,019               | 100.0                   | 121.0             |
| 1                        | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 168                 | 45.2                    | 10.4              | 1                        | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 915                 | 45.3                    | 54.8              |
| 2                        | Malignant neoplasms . . . . . (C00–C97)  | 40                  | 10.8                    | 2.5               | 2                        | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 520                 | 25.8                    | 31.2              |
| 3                        | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 22                  | 5.9                     | 1.4               | 3                        | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 124                 | 6.1                     | 7.4               |
| 4                        | Chronic lower respiratory diseases . . . . . (J40–J47)   | 21                  | 5.6                     | 1.3               | 4                        | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 80                  | 4.0                     | 4.8               |
| 5                        | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 20                  | 5.4                     | 1.2               | 5                        | Malignant neoplasms . . . . . (C00–C97)  | 69                  | 3.4                     | 4.1               |
| 6                        | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 11                  | 3.0                     | *                 | 6                        | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 33                  | 1.6                     | 2.0               |
| 7                        | Influenza and pneumonia . . . . . (J10–J18)  | 8                   | 2.2                     | *                 | 7                        | Chronic lower respiratory diseases . . . . . (J40–J47)   | 27                  | 1.3                     | 1.6               |
| 8                        | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 4                   | 1.1                     | *                 | 8                        | Anemias . . . . . (D50–D64)  | 20                  | 1.0                     | 1.2               |
| 8                        | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 4                   | 1.1                     | *                 | 9                        | Diabetes mellitus . . . . . (E10–E14)  | 15                  | 0.7                     | *                 |
| 8                        | Anemias . . . . . (D50–D64)  | 4                   | 1.1                     | *                 | 10                       | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 13                  | 0.6                     | *                 |
| 8                        | Cerebrovascular diseases . . . . . (I60–I69)   | 4                   | 1.1                     | *                 | 10                       | Cerebrovascular diseases . . . . . (I60–I69)   | 13                  | 0.6                     | *                 |
| ...                      | All other causes (residual) . . . . .  | 66                  | 17.7                    | 4.1               | ...                      | All other causes (residual) . . . . .  | 190                 | 9.4                     | 11.4              |
| Black, male, 10–14 years |  |                     |                         |                   | Black, male, 20–24 years |  |                     |                         |                   |
| ...                      | All causes . . . . .   | 516                 | 100.0                   | 28.6              | ...                      | All causes . . . . .   | 3,317               | 100.0                   | 210.1             |
| 1                        | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 183                 | 35.5                    | 10.1              | 1                        | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 1,607               | 48.4                    | 101.8             |
| 2                        | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 60                  | 11.6                    | 3.3               | 2                        | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 708                 | 21.3                    | 44.8              |
| 3                        | Malignant neoplasms . . . . . (C00–C97)  | 44                  | 8.5                     | 2.4               | 3                        | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 272                 | 8.2                     | 17.2              |
| 4                        | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 29                  | 5.6                     | 1.6               | 4                        | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 127                 | 3.8                     | 8.0               |
| 5                        | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 26                  | 5.0                     | 1.4               | 5                        | Malignant neoplasms . . . . . (C00–C97)  | 107                 | 3.2                     | 6.8               |
| 6                        | Chronic lower respiratory diseases . . . . . (J40–J47)   | 23                  | 4.5                     | 1.3               | 6                        | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 60                  | 1.8                     | 3.8               |
| 7                        | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 19                  | 3.7                     | *                 | 7                        | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 40                  | 1.2                     | 2.5               |
| 8                        | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 8                   | 1.6                     | *                 | 8                        | Anemias . . . . . (D50–D64)  | 30                  | 0.9                     | 1.9               |
| 8                        | Anemias . . . . . (D50–D64)  | 8                   | 1.6                     | *                 | 9                        | Chronic lower respiratory diseases . . . . . (J40–J47)   | 21                  | 0.6                     | 1.3               |
| 10                       | Diabetes mellitus . . . . . (E10–E14)  | 7                   | 1.4                     | *                 | 10                       | Cerebrovascular diseases . . . . . (I60–I69)   | 18                  | 0.5                     | *                 |
| ...                      | All other causes (residual) . . . . .  | 109                 | 21.1                    | 6.0               | 10                       | Legal intervention . . . . . (Y35,Y89.0)   | 18                  | 0.5                     | *                 |
| Black, male, 25–34 years |  |                     |                         |                   | Black, male, 35–44 years |  |                     |                         |                   |
| ...                      | All causes . . . . .   | 6,684               | 100.0                   | 252.3             | ...                      | All causes . . . . .   | 6,684               | 100.0                   | 252.3             |
| 1                        | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 2,163               | 32.4                    | 81.6              | 1                        | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 2,163               | 32.4                    | 81.6              |
| 2                        | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,333               | 19.9                    | 50.3              | 2                        | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,333               | 19.9                    | 50.3              |
| 3                        | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 597                 | 8.9                     | 22.5              | 3                        | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 597                 | 8.9                     | 22.5              |
| 4                        | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 508                 | 7.6                     | 19.2              | 4                        | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 508                 | 7.6                     | 19.2              |
| 5                        | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 429                 | 6.4                     | 16.2              | 5                        | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 429                 | 6.4                     | 16.2              |
| 6                        | Malignant neoplasms . . . . . (C00–C97)  | 265                 | 4.0                     | 10.0              | 6                        | Malignant neoplasms . . . . . (C00–C97)  | 265                 | 4.0                     | 10.0              |
| 7                        | Diabetes mellitus . . . . . (E10–E14)  | 104                 | 1.6                     | 3.9               | 7                        | Diabetes mellitus . . . . . (E10–E14)  | 104                 | 1.6                     | 3.9               |
| 8                        | Cerebrovascular diseases . . . . . (I60–I69)   | 77                  | 1.2                     | 2.9               | 8                        | Cerebrovascular diseases . . . . . (I60–I69)   | 77                  | 1.2                     | 2.9               |
| 9                        | Anemias . . . . . (D50–D64)  | 71                  | 1.1                     | 2.7               | 9                        | Anemias . . . . . (D50–D64)  | 71                  | 1.1                     | 2.7               |
| 10                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 66                  | 1.0                     | 2.5               | 10                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 66                  | 1.0                     | 2.5               |
| ...                      | All other causes (residual) . . . . .  | 1,071               | 16.0                    | 40.4              | ...                      | All other causes (residual) . . . . .  | 1,071               | 16.0                    | 40.4              |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>        | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--------------------------|--|---------------------|-------------------------|-------------------|--------------------------------|--|---------------------|-------------------------|-------------------|
| Black, male, 35–44 years |  |                     |                         |                   | Black, male, 65 years and over |  |                     |                         |                   |
| ...                      | All causes . . . . .   | 10,700              | 100.0                   | 397.0             | ...                            | All causes . . . . .   | 69,798              | 100.0                   | 5,907.5           |
| 1                        | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1,961               | 18.3                    | 72.8              | 1                              | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 20,612              | 29.5                    | 1,744.5           |
| 2                        | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 1,624               | 15.2                    | 60.3              | 2                              | Malignant neoplasms . . . . . (C00–C97)  | 18,994              | 27.2                    | 1,607.6           |
| 3                        | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,457               | 13.6                    | 54.1              | 3                              | Cerebrovascular diseases . . . . . (I60–I69)   | 4,744               | 6.8                     | 401.5             |
| 4                        | Malignant neoplasms . . . . . (C00–C97)  | 1,035               | 9.7                     | 38.4              | 4                              | Diabetes mellitus . . . . . (E10–E14)  | 3,165               | 4.5                     | 267.9             |
| 5                        | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 1,022               | 9.6                     | 37.9              | 5                              | Chronic lower respiratory diseases . . . (J40–J47)   | 2,791               | 4.0                     | 236.2             |
| 6                        | Cerebrovascular diseases . . . . . (I60–I69)   | 345                 | 3.2                     | 12.8              | 6                              | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 2,132               | 3.1                     | 180.4             |
| 7                        | Diabetes mellitus . . . . . (E10–E14)  | 317                 | 3.0                     | 11.8              | 7                              | Influenza and pneumonia . . . . . (J10–J18)  | 1,913               | 2.7                     | 161.9             |
| 8                        | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 304                 | 2.8                     | 11.3              | 8                              | Septicemia . . . . . (A40–A41)   | 1,608               | 2.3                     | 136.1             |
| 9                        | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 199                 | 1.9                     | 7.4               | 9                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,221               | 1.7                     | 103.3             |
| 10                       | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 167                 | 1.6                     | 6.2               | 10                             | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 1,167               | 1.7                     | 98.8              |
| ...                      | All other causes (residual) . . . . .  | 2,269               | 21.2                    | 84.2              | ...                            | All other causes (residual) . . . . .  | 11,451              | 16.4                    | 969.2             |
| Black, male, 45–54 years |  |                     |                         |                   | Black, male, 65–74 years       |  |                     |                         |                   |
| ...                      | All causes . . . . .   | 21,756              | 100.0                   | 954.9             | ...                            | All causes . . . . .   | 27,555              | 100.0                   | 3,818.3           |
| 1                        | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 5,468               | 25.1                    | 240.0             | 1                              | Malignant neoplasms . . . . . (C00–C97)  | 8,730               | 31.7                    | 1,209.7           |
| 2                        | Malignant neoplasms . . . . . (C00–C97)  | 4,489               | 20.6                    | 197.0             | 2                              | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 7,914               | 28.7                    | 1,096.6           |
| 3                        | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,747               | 8.0                     | 76.7              | 3                              | Cerebrovascular diseases . . . . . (I60–I69)   | 1,697               | 6.2                     | 235.2             |
| 4                        | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 1,706               | 7.8                     | 74.9              | 4                              | Diabetes mellitus . . . . . (E10–E14)  | 1,432               | 5.2                     | 198.4             |
| 5                        | Cerebrovascular diseases . . . . . (I60–I69)   | 1,021               | 4.7                     | 44.8              | 5                              | Chronic lower respiratory diseases . . . (J40–J47)   | 1,013               | 3.7                     | 140.4             |
| 6                        | Diabetes mellitus . . . . . (E10–E14)  | 754                 | 3.5                     | 33.1              | 6                              | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 780                 | 2.8                     | 108.1             |
| 7                        | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 618                 | 2.8                     | 27.1              | 7                              | Septicemia . . . . . (A40–A41)   | 585                 | 2.1                     | 81.1              |
| 8                        | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 592                 | 2.7                     | 26.0              | 8                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 532                 | 1.9                     | 73.7              |
| 9                        | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 478                 | 2.2                     | 21.0              | 9                              | Influenza and pneumonia . . . . . (J10–J18)  | 523                 | 1.9                     | 72.5              |
| 10                       | Septicemia . . . . . (A40–A41)   | 345                 | 1.6                     | 15.1              | 10                             | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 410                 | 1.5                     | 56.8              |
| ...                      | All other causes (residual) . . . . .  | 4,538               | 20.9                    | 199.2             | ...                            | All other causes (residual) . . . . .  | 3,939               | 14.3                    | 545.8             |
| Black, male, 55–64 years |  |                     |                         |                   | Black, male, 75–84 years       |  |                     |                         |                   |
| ...                      | All causes . . . . .   | 25,352              | 100.0                   | 1,960.8           | ...                            | All causes . . . . .   | 27,695              | 100.0                   | 7,710.3           |
| 1                        | Malignant neoplasms . . . . . (C00–C97)  | 7,359               | 29.0                    | 569.2             | 1                              | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 8,030               | 29.0                    | 2,235.5           |
| 2                        | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 7,243               | 28.6                    | 560.2             | 2                              | Malignant neoplasms . . . . . (C00–C97)  | 7,497               | 27.1                    | 2,087.2           |
| 3                        | Cerebrovascular diseases . . . . . (I60–I69)   | 1,388               | 5.5                     | 107.4             | 3                              | Cerebrovascular diseases . . . . . (I60–I69)   | 1,979               | 7.1                     | 551.0             |
| 4                        | Diabetes mellitus . . . . . (E10–E14)  | 1,184               | 4.7                     | 91.6              | 4                              | Diabetes mellitus . . . . . (E10–E14)  | 1,224               | 4.4                     | 340.8             |
| 5                        | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 912                 | 3.6                     | 70.5              | 5                              | Chronic lower respiratory diseases . . . (J40–J47)   | 1,208               | 4.4                     | 336.3             |
| 6                        | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 650                 | 2.6                     | 50.3              | 6                              | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 836                 | 3.0                     | 232.7             |
| 7                        | Chronic lower respiratory diseases . . . (J40–J47)   | 648                 | 2.6                     | 50.1              | 7                              | Influenza and pneumonia . . . . . (J10–J18)  | 788                 | 2.8                     | 219.4             |
| 8                        | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 644                 | 2.5                     | 49.8              | 8                              | Septicemia . . . . . (A40–A41)   | 679                 | 2.5                     | 189.0             |
| 9                        | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 505                 | 2.0                     | 39.1              | 9                              | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 492                 | 1.8                     | 137.0             |
| 10                       | Septicemia . . . . . (A40–A41)   | 468                 | 1.8                     | 36.2              | 10                             | Alzheimer's disease . . . . . (G30)  | 491                 | 1.8                     | 136.7             |
| ...                      | All other causes (residual) . . . . .  | 4,351               | 17.2                    | 336.5             | ...                            | All other causes (residual) . . . . .  | 4,471               | 16.1                    | 1,244.7           |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                          | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                 | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--|--|---------------------|-------------------------|-------------------|-----------------------------------|--|---------------------|-------------------------|-------------------|
| <b>Black, male, 85 years and over</b>      |  |                     |                         |                   | <b>Black, female, 5–9 years</b>   |  |                     |                         |                   |
| ...  | All causes . . . . .   | 14,548              | 100.0                   | 14,452.5          | ...                               | All causes . . . . .   | 313                 | 100.0                   | 20.1              |
| 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 4,668               | 32.1                    | 4,637.3           | 1                                 | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 101                 | 32.3                    | 6.5               |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 2,767               | 19.0                    | 2,748.8           | 2                                 | Malignant neoplasms . . . . . (C00–C97)  | 39                  | 12.5                    | 2.5               |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 1,068               | 7.3                     | 1,061.0           | 3                                 | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 28                  | 8.9                     | 1.8               |
| 4  | Influenza and pneumonia . . . . . (J10–J18)  | 602                 | 4.1                     | 598.0             | 4                                 | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 22                  | 7.0                     | 1.4               |
| 5  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 570                 | 3.9                     | 566.3             | 5                                 | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 16                  | 5.1                     | *                 |
| 6  | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 516                 | 3.5                     | 512.6             | 6                                 | Anemias . . . . . (D50–D64)  | 8                   | 2.6                     | *                 |
| 7  | Diabetes mellitus . . . . . (E10–E14)  | 509                 | 3.5                     | 505.7             | 7                                 | Chronic lower respiratory diseases . . . . . (J40–J47)   | 6                   | 1.9                     | *                 |
| 8  | Alzheimer's disease . . . . . (G30)  | 501                 | 3.4                     | 497.7             | 8                                 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 5                   | 1.6                     | *                 |
| 9  | Septicemia . . . . . (A40–A41)   | 344                 | 2.4                     | 341.7             | 9                                 | Septicemia . . . . . (A40–A41)   | 4                   | 1.3                     | *                 |
| 10   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 265                 | 1.8                     | 263.3             | 9                                 | Cerebrovascular diseases . . . . . (I60–I69)   | 4                   | 1.3                     | *                 |
| ...  | All other causes (residual) . . . . .  | 2,738               | 18.8                    | 2,720.0           | 9                                 | Influenza and pneumonia . . . . . (J10–J18)  | 4                   | 1.3                     | *                 |
| <b>Black, female, all ages<sup>3</sup></b> |  |                     |                         |                   | <b>Black, female, 10–14 years</b> |  |                     |                         |                   |
| ...  | All causes . . . . .   | 141,345             | 100.0                   | 700.3             | ...                               | All causes . . . . .   | 383                 | 100.0                   | 21.9              |
| 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 38,003              | 26.9                    | 188.3             | 1                                 | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 118                 | 30.8                    | 6.7               |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 30,056              | 21.3                    | 148.9             | 2                                 | Malignant neoplasms . . . . . (C00–C97)  | 47                  | 12.3                    | 2.7               |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 10,474              | 7.4                     | 51.9              | 3                                 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 27                  | 7.0                     | 1.5               |
| 4  | Diabetes mellitus . . . . . (E10–E14)  | 7,269               | 5.1                     | 36.0              | 3                                 | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 27                  | 7.0                     | 1.5               |
| 5  | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 4,297               | 3.0                     | 21.3              | 5                                 | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 19                  | 5.0                     | *                 |
| 6  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 4,067               | 2.9                     | 20.1              | 6                                 | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 18                  | 4.7                     | *                 |
| 7  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 3,354               | 2.4                     | 16.6              | 7                                 | Chronic lower respiratory diseases . . . . . (J40–J47)   | 14                  | 3.7                     | *                 |
| 8  | Septicemia . . . . . (A40–A41)   | 3,320               | 2.3                     | 16.4              | 8                                 | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 8                   | 2.1                     | *                 |
| 9  | Alzheimer's disease . . . . . (G30)  | 3,085               | 2.2                     | 15.3              | 9                                 | Diabetes mellitus . . . . . (E10–E14)  | 7                   | 1.8                     | *                 |
| 10   | Influenza and pneumonia . . . . . (J10–J18)  | 2,925               | 2.1                     | 14.5              | 10                                | Septicemia . . . . . (A40–A41)   | 4                   | 1.0                     | *                 |
| ...  | All other causes (residual) . . . . .  | 34,495              | 24.4                    | 170.9             | 10                                | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 4                   | 1.0                     | *                 |
| <b>Black, female, 1–4 years</b>            |  |                     |                         |                   | <b>Black, female, 15–19 years</b> |  |                     |                         |                   |
| ...  | All causes . . . . .   | 523                 | 100.0                   | 40.9              | ...                               | All causes . . . . .   | 661                 | 100.0                   | 40.7              |
| 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 136                 | 26.0                    | 10.6              | 1                                 | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 192                 | 29.0                    | 11.8              |
| 2  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 80                  | 15.3                    | 6.3               | 2                                 | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 127                 | 19.2                    | 7.8               |
| 3  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 55                  | 10.5                    | 4.3               | 3                                 | Malignant neoplasms . . . . . (C00–C97)  | 57                  | 8.6                     | 3.5               |
| 4  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 30                  | 5.7                     | 2.3               | 4                                 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 38                  | 5.7                     | 2.3               |
| 5  | Malignant neoplasms . . . . . (C00–C97)  | 28                  | 5.4                     | 2.2               | 5                                 | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 31                  | 4.7                     | 1.9               |
| 6  | Influenza and pneumonia . . . . . (J10–J18)  | 23                  | 4.4                     | 1.8               | 6                                 | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 26                  | 3.9                     | 1.6               |
| 7  | Septicemia . . . . . (A40–A41)   | 10                  | 1.9                     | *                 | 7                                 | Chronic lower respiratory diseases . . . . . (J40–J47)   | 15                  | 2.3                     | *                 |
| 7  | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 10                  | 1.9                     | *                 | 8                                 | Pregnancy, childbirth and the puerperium . . . . . (O00–O99)   | 12                  | 1.8                     | *                 |
| 9  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 8                   | 1.5                     | *                 | 9                                 | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 11                  | 1.7                     | *                 |
| 10   | Anemias . . . . . (D50–D64)  | 7                   | 1.3                     | *                 | 10                                | Anemias . . . . . (D50–D64)  | 10                  | 1.5                     | *                 |
| 10   | Cerebrovascular diseases . . . . . (I60–I69)   | 7                   | 1.3                     | *                 | ...                               | All other causes (residual) . . . . .  | 142                 | 21.5                    | 8.7               |
| ...  | All other causes (residual) . . . . .  | 129                 | 24.7                    | 10.1              |                                   |  |                     |                         |                   |

See footnotes at end of table.



**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>          | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision</i> , 1992), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision</i> , 1992), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|----------------------------|--|---------------------|-------------------------|-------------------|----------------------------------|--|---------------------|-------------------------|-------------------|
| Black, female, 20–24 years |  |                     |                         |                   | Black, female, 45–54 years       |  |                     |                         |                   |
| ...                        | All causes . . . . .   | 1,052               | 100.0                   | 67.0              | ...                              | All causes . . . . .   | 14,954              | 100.0                   | 564.1             |
| 1                          | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 241                 | 22.9                    | 15.4              | 1                                | Malignant neoplasms . . . . . (C00–C97)  | 4,264               | 28.5                    | 160.9             |
| 2                          | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 154                 | 14.6                    | 9.8               | 2                                | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 3,212               | 21.5                    | 121.2             |
| 3                          | Malignant neoplasms . . . . . (C00–C97)  | 78                  | 7.4                     | 5.0               | 3                                | Cerebrovascular diseases . . . . . (I60–I69)   | 899                 | 6.0                     | 33.9              |
| 4                          | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 71                  | 6.7                     | 4.5               | 4                                | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 758                 | 5.1                     | 28.6              |
| 5                          | Pregnancy, childbirth and the puerperium . . . . . (O00–O99)   | 62                  | 5.9                     | 4.0               | 5                                | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 708                 | 4.7                     | 26.7              |
| 6                          | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 58                  | 5.5                     | 3.7               | 6                                | Diabetes mellitus . . . . . (E10–E14)  | 631                 | 4.2                     | 23.8              |
| 7                          | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 38                  | 3.6                     | 2.4               | 7                                | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 342                 | 2.3                     | 12.9              |
| 8                          | Anemias . . . . . (D50–D64)  | 33                  | 3.1                     | 2.1               | 8                                | Septicemia . . . . . (A40–A41)   | 319                 | 2.1                     | 12.0              |
| 9                          | Diabetes mellitus . . . . . (E10–E14)  | 25                  | 2.4                     | 1.6               | 9                                | Chronic lower respiratory diseases . . . . . (J40–J47)   | 305                 | 2.0                     | 11.5              |
| 10                         | Septicemia . . . . . (A40–A41)   | 17                  | 1.6                     | *                 | 10                               | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 285                 | 1.9                     | 10.8              |
| ...                        | All other causes (residual) . . . . .  | 275                 | 26.1                    | 17.5              | ...                              | All other causes (residual) . . . . .  | 3,231               | 21.6                    | 121.9             |
| Black, female, 25–34 years |  |                     |                         |                   | Black, female, 55–64 years       |  |                     |                         |                   |
| ...                        | All causes . . . . .   | 3,241               | 100.0                   | 112.3             | ...                              | All causes . . . . .   | 18,138              | 100.0                   | 1,128.6           |
| 1                          | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 436                 | 13.5                    | 15.1              | 1                                | Malignant neoplasms . . . . . (C00–C97)  | 5,937               | 32.7                    | 369.4             |
| 2                          | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 407                 | 12.6                    | 14.1              | 2                                | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 4,436               | 24.5                    | 276.0             |
| 3                          | Malignant neoplasms . . . . . (C00–C97)  | 402                 | 12.4                    | 13.9              | 3                                | Diabetes mellitus . . . . . (E10–E14)  | 1,150               | 6.3                     | 71.6              |
| 4                          | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 383                 | 11.8                    | 13.3              | 4                                | Cerebrovascular diseases . . . . . (I60–I69)   | 1,045               | 5.8                     | 65.0              |
| 5                          | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 282                 | 8.7                     | 9.8               | 5                                | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 647                 | 3.6                     | 40.3              |
| 6                          | Pregnancy, childbirth and the puerperium . . . . . (O00–O99)   | 109                 | 3.4                     | 3.8               | 6                                | Chronic lower respiratory diseases . . . . . (J40–J47)   | 458                 | 2.5                     | 28.5              |
| 7                          | Cerebrovascular diseases . . . . . (I60–I69)   | 96                  | 3.0                     | 3.3               | 7                                | Septicemia . . . . . (A40–A41)   | 448                 | 2.5                     | 27.9              |
| 8                          | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 92                  | 2.8                     | 3.2               | 8                                | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 356                 | 2.0                     | 22.2              |
| 9                          | Diabetes mellitus . . . . . (E10–E14)  | 79                  | 2.4                     | 2.7               | 9                                | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 327                 | 1.8                     | 20.3              |
| 10                         | Anemias . . . . . (D50–D64)  | 58                  | 1.8                     | 2.0               | 10                               | Influenza and pneumonia . . . . . (J10–J18)  | 230                 | 1.3                     | 14.3              |
| ...                        | All other causes (residual) . . . . .  | 897                 | 27.7                    | 31.1              | ...                              | All other causes (residual) . . . . .  | 3,104               | 17.1                    | 193.1             |
| Black, female, 35–44 years |  |                     |                         |                   | Black, female, 65 years and over |  |                     |                         |                   |
| ...                        | All causes . . . . .   | 7,774               | 100.0                   | 256.0             | ...                              | All causes . . . . .   | 90,563              | 100.0                   | 4,764.9           |
| 1                          | Malignant neoplasms . . . . . (C00–C97)  | 1,647               | 21.2                    | 54.2              | 1                                | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 28,468              | 31.4                    | 1,497.8           |
| 2                          | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 1,275               | 16.4                    | 42.0              | 2                                | Malignant neoplasms . . . . . (C00–C97)  | 17,552              | 19.4                    | 923.5             |
| 3                          | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 930                 | 12.0                    | 30.6              | 3                                | Cerebrovascular diseases . . . . . (I60–I69)   | 8,025               | 8.9                     | 422.2             |
| 4                          | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 647                 | 8.3                     | 21.3              | 4                                | Diabetes mellitus . . . . . (E10–E14)  | 5,140               | 5.7                     | 270.4             |
| 5                          | Cerebrovascular diseases . . . . . (I60–I69)   | 358                 | 4.6                     | 11.8              | 5                                | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 3,066               | 3.4                     | 161.3             |
| 6                          | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 275                 | 3.5                     | 9.1               | 6                                | Alzheimer's disease . . . . . (G30)  | 3,060               | 3.4                     | 161.0             |
| 7                          | Diabetes mellitus . . . . . (E10–E14)  | 230                 | 3.0                     | 7.6               | 7                                | Chronic lower respiratory diseases . . . . . (J40–J47)   | 2,379               | 2.6                     | 125.2             |
| 8                          | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 150                 | 1.9                     | 4.9               | 8                                | Influenza and pneumonia . . . . . (J10–J18)  | 2,305               | 2.5                     | 121.3             |
| 9                          | Septicemia . . . . . (A40–A41)   | 131                 | 1.7                     | 4.3               | 9                                | Septicemia . . . . . (A40–A41)   | 2,287               | 2.5                     | 120.3             |
| 10                         | Chronic lower respiratory diseases . . . . . (J40–J47)   | 117                 | 1.5                     | 3.9               | 10                               | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 2,142               | 2.4                     | 112.7             |
| ...                        | All other causes (residual) . . . . .  | 2,014               | 25.9                    | 66.3              | ...                              | All other causes (residual) . . . . .  | 16,139              | 17.8                    | 849.1             |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision</i> , 1992), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>   | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision</i> , 1992), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|----------------------------------|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Black, female, 65–74 years       |  |                     |                         |                   | American Indian or Alaska Native, both sexes, all ages <sup>3</sup> |  |                     |                         |                   |
| ...                              | All causes . . . . .   | 24,127              | 100.0                   | 2,386.1           | ...   | All causes . . . . .   | 13,124              | 100.0                   | 416.8             |
| 1                                | Malignant neoplasms . . . . . (C00–C97)  | 7,141               | 29.6                    | 706.2             | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 2,598               | 19.8                    | 82.5              |
| 2                                | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 6,638               | 27.5                    | 656.5             | 2   | Malignant neoplasms . . . . . (C00–C97)  | 2,392               | 18.2                    | 76.0              |
| 3                                | Cerebrovascular diseases . . . . . (I60–I69)   | 1,687               | 7.0                     | 166.8             | 3   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,520               | 11.6                    | 48.3              |
| 4                                | Diabetes mellitus . . . . . (E10–E14)  | 1,675               | 6.9                     | 165.7             | 4   | Diabetes mellitus . . . . . (E10–E14)  | 746                 | 5.7                     | 23.7              |
| 5                                | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 873                 | 3.6                     | 86.3              | 5   | Cerebrovascular diseases . . . . . (I60–I69)   | 581                 | 4.4                     | 18.5              |
| 6                                | Chronic lower respiratory diseases . . (J40–J47)   | 757                 | 3.1                     | 74.9              | 6   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 577                 | 4.4                     | 18.3              |
| 7                                | Septicemia . . . . . (A40–A41)   | 626                 | 2.6                     | 61.9              | 7   | Chronic lower respiratory diseases . . (J40–J47)   | 486                 | 3.7                     | 15.4              |
| 8                                | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 489                 | 2.0                     | 48.4              | 8   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 404                 | 3.1                     | 12.8              |
| 9                                | Influenza and pneumonia . . . . . (J10–J18)  | 340                 | 1.4                     | 33.6              | 9   | Influenza and pneumonia . . . . . (J10–J18)  | 291                 | 2.2                     | 9.2               |
| 10                               | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 303                 | 1.3                     | 30.0              | 10  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 247                 | 1.9                     | 7.8               |
| ...                              | All other causes (residual) . . . . .  | 3,598               | 14.9                    | 355.8             | ...   | All other causes (residual) . . . . .  | 3,282               | 25.0                    | 104.2             |
| Black, female, 75–84 years       |  |                     |                         |                   | American Indian or Alaska Native, both sexes, 1–4 years             |  |                     |                         |                   |
| ...                              | All causes . . . . .   | 33,684              | 100.0                   | 5,300.0           | ...   | All causes . . . . .   | 97                  | 100.0                   | 54.4              |
| 1                                | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 10,314              | 30.6                    | 1,622.9           | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 42                  | 43.3                    | 23.6              |
| 2                                | Malignant neoplasms . . . . . (C00–C97)  | 6,887               | 20.4                    | 1,083.6           | 2   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 8                   | 8.2                     | *                 |
| 3                                | Cerebrovascular diseases . . . . . (I60–I69)   | 3,111               | 9.2                     | 489.5             | 3   | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 7                   | 7.2                     | *                 |
| 4                                | Diabetes mellitus . . . . . (E10–E14)  | 2,086               | 6.2                     | 328.2             | 4   | Influenza and pneumonia . . . . . (J10–J18)  | 4                   | 4.1                     | *                 |
| 5                                | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 1,181               | 3.5                     | 185.8             | 5   | Malignant neoplasms . . . . . (C00–C97)  | 3                   | 3.1                     | *                 |
| 6                                | Alzheimer's disease . . . . . (G30)  | 1,032               | 3.1                     | 162.4             | 6   | Septicemia . . . . . (A40–A41)   | 2                   | 2.1                     | *                 |
| 7                                | Chronic lower respiratory diseases . . (J40–J47)   | 1,008               | 3.0                     | 158.6             | 6   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 2                   | 2.1                     | *                 |
| 8                                | Septicemia . . . . . (A40–A41)   | 869                 | 2.6                     | 136.7             | 8   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 1                   | 1.0                     | *                 |
| 9                                | Influenza and pneumonia . . . . . (J10–J18)  | 776                 | 2.3                     | 122.1             | 8   | Chronic lower respiratory diseases . . (J40–J47)   | 1                   | 1.0                     | *                 |
| 10                               | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 728                 | 2.2                     | 114.5             | ...   | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 1                   | 1.0                     | *                 |
| ...                              | All other causes (residual) . . . . .  | 5,692               | 16.9                    | 895.6             | ...   | All other causes (residual) . . . . .  | 26                  | 26.8                    | 14.6              |
| Black, female, 85 years and over |  |                     |                         |                   | American Indian or Alaska Native, both sexes, 5–9 years             |  |                     |                         |                   |
| ...                              | All causes . . . . .   | 32,752              | 100.0                   | 12,896.9          | ...   | All causes . . . . .   | 53                  | 100.0                   | 19.6              |
| 1                                | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 11,516              | 35.2                    | 4,534.7           | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 22                  | 41.5                    | 8.1               |
| 2                                | Malignant neoplasms . . . . . (C00–C97)  | 3,524               | 10.8                    | 1,387.7           | 2   | Malignant neoplasms . . . . . (C00–C97)  | 7                   | 13.2                    | *                 |
| 3                                | Cerebrovascular diseases . . . . . (I60–I69)   | 3,227               | 9.9                     | 1,270.7           | 3   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 5                   | 9.4                     | *                 |
| 4                                | Alzheimer's disease . . . . . (G30)  | 1,832               | 5.6                     | 721.4             | 4   | Septicemia . . . . . (A40–A41)   | 2                   | 3.8                     | *                 |
| 5                                | Diabetes mellitus . . . . . (E10–E14)  | 1,379               | 4.2                     | 543.0             | 4   | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 2                   | 3.8                     | *                 |
| 6                                | Influenza and pneumonia . . . . . (J10–J18)  | 1,189               | 3.6                     | 468.2             | 6   | Anemias . . . . . (D50–D64)  | 1                   | 1.9                     | *                 |
| 7                                | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 1,012               | 3.1                     | 398.5             | 6   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1                   | 1.9                     | *                 |
| 8                                | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 925                 | 2.8                     | 364.2             | 6   | Influenza and pneumonia . . . . . (J10–J18)  | 1                   | 1.9                     | *                 |
| 9                                | Septicemia . . . . . (A40–A41)   | 792                 | 2.4                     | 311.9             | 6   | Chronic lower respiratory diseases . . (J40–J47)   | 1                   | 1.9                     | *                 |
| 10                               | Chronic lower respiratory diseases . . (J40–J47)   | 614                 | 1.9                     | 241.8             | 6   | Pneumonitis due to solids and liquids . . . (J69)  | 1                   | 1.9                     | *                 |
| ...                              | All other causes (residual) . . . . .  | 6,742               | 20.6                    | 2,654.8           | 6   | Diseases of appendix . . . . . (K35–K38)   | 1                   | 1.9                     | *                 |
| ...                              |  |                     |                         |                   | ...   | All other causes (residual) . . . . .  | 9                   | 17.0                    | *                 |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>   | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>   | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| American Indian or Alaska Native, both sexes, 10–14 years |  |                     |                         |                   | American Indian or Alaska Native, both sexes, 20–24 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 74                  | 100.0                   | 24.5              | ...   | All causes . . . . .   | 333                 | 100.0                   | 116.6             |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 39                  | 52.7                    | 12.9              | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 173                 | 52.0                    | 60.6              |
| 2   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 10                  | 13.5                    | *                 | 2   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 53                  | 15.9                    | 18.6              |
| 3   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 4                   | 5.4                     | *                 | 3   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 38                  | 11.4                    | 13.3              |
| 4   | Septicemia . . . . . (A40–A41)   | 2                   | 2.7                     | *                 | 4   | Malignant neoplasms . . . . . (C00–C97)  | 10                  | 3.0                     | *                 |
| 4   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 2                   | 2.7                     | *                 | 5   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 6                   | 1.8                     | *                 |
| 6   | Malignant neoplasms . . . . . (C00–C97)  | 1                   | 1.4                     | *                 | 6   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 3                   | 0.9                     | *                 |
| 6   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 1                   | 1.4                     | *                 | 7   | Septicemia . . . . . (A40–A41)   | 2                   | 0.6                     | *                 |
| 6   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 1                   | 1.4                     | *                 | 7   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 2                   | 0.6                     | *                 |
| 6   | Cerebrovascular diseases . . . . . (I60–I69)   | 1                   | 1.4                     | *                 | 7   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 2                   | 0.6                     | *                 |
| 6   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 1                   | 1.4                     | *                 | 10  | Diabetes mellitus . . . . . (E10–E14)  | 1                   | 0.3                     | *                 |
| ...   | All other causes (residual) . . . . .  | 12                  | 16.2                    | *                 | 10  | Cerebrovascular diseases . . . . . (I60–I69)   | 1                   | 0.3                     | *                 |
| American Indian or Alaska Native, both sexes, 15–19 years |  |                     |                         |                   | 10  | Diseases of appendix . . . . . (K35–K38)   | 1                   | 0.3                     | *                 |
| ...   | All causes . . . . .   | 260                 | 100.0                   | 87.0              | 10  | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 1                   | 0.3                     | *                 |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 122                 | 46.9                    | 40.8              | 10  | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 1                   | 0.3                     | *                 |
| 2   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 69                  | 26.5                    | 23.1              | ...   | Legal intervention . . . . . (Y35,Y89.0)   | 1                   | 0.3                     | *                 |
| 3   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 29                  | 11.2                    | 9.7               | ...   | All other causes (residual) . . . . .  | 38                  | 11.4                    | 13.3              |
| 4   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 7                   | 2.7                     | *                 | American Indian or Alaska Native, both sexes, 25–34 years |  |                     |                         |                   |
| 5   | Malignant neoplasms . . . . . (C00–C97)  | 6                   | 2.3                     | *                 | ...   | All causes . . . . .   | 695                 | 100.0                   | 147.4             |
| 6   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 3                   | 1.2                     | *                 | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 262                 | 37.7                    | 55.6              |
| 7   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 1                   | 0.4                     | *                 | 2   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 102                 | 14.7                    | 21.6              |
| 7   | Parkinson's disease . . . . . (G20–G21)  | 1                   | 0.4                     | *                 | 3   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 54                  | 7.8                     | 11.5              |
| 7   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 1                   | 0.4                     | *                 | 4   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 48                  | 6.9                     | 10.2              |
| 7   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1                   | 0.4                     | *                 | 5   | Malignant neoplasms . . . . . (C00–C97)  | 25                  | 3.6                     | 5.3               |
| 7   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 1                   | 0.4                     | *                 | 6   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 21                  | 3.0                     | 4.5               |
| ...   | All other causes (residual) . . . . .  | 19                  | 7.3                     | *                 | 7   | Diabetes mellitus . . . . . (E10–E14)  | 11                  | 1.6                     | *                 |
| See footnotes at end of table.                            |  |                     |                         |                   | 8   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 10                  | 1.4                     | *                 |
|   |  |                     |                         |                   | 9   | Septicemia . . . . . (A40–A41)   | 9                   | 1.3                     | *                 |
|   |  |                     |                         |                   | 9   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 9                   | 1.3                     | *                 |
|   |  |                     |                         |                   | ...   | All other causes (residual) . . . . .  | 144                 | 20.7                    | 30.5              |

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>   | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision</i> , 1992), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>   | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision</i> , 1992), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| American Indian or Alaska Native, both sexes, 35–44 years |  |                     |                         |                   | American Indian or Alaska Native, both sexes, 65 years and over |  |                     |                         |                   |
| ...   | All causes . . . . .   | 1,194               | 100.0                   | 256.3             | ...   | All causes . . . . .   | 6,207               | 100.0                   | 3,090.2           |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 290                 | 24.3                    | 62.3              | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1,683               | 27.1                    | 837.9             |
| 2   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 128                 | 10.7                    | 27.5              | 2   | Malignant neoplasms . . . . . (C00–C97)  | 1,356               | 21.8                    | 675.1             |
| 3   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 118                 | 9.9                     | 25.3              | 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 436                 | 7.0                     | 217.1             |
| 4   | Malignant neoplasms . . . . . (C00–C97)  | 106                 | 8.9                     | 22.8              | 4   | Diabetes mellitus . . . . . (E10–E14)  | 420                 | 6.8                     | 209.1             |
| 5   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 90                  | 7.5                     | 19.3              | 5   | Chronic lower respiratory diseases . . . (J40–J47)   | 352                 | 5.7                     | 175.2             |
| 6   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 46                  | 3.9                     | 9.9               | 6   | Influenza and pneumonia . . . . . (J10–J18)  | 203                 | 3.3                     | 101.1             |
| 7   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 39                  | 3.3                     | 8.4               | 7   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 191                 | 3.1                     | 95.1              |
| 8   | Diabetes mellitus . . . . . (E10–E14)  | 36                  | 3.0                     | 7.7               | 8   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 156                 | 2.5                     | 77.7              |
| 9   | Cerebrovascular diseases . . . . . (I60–I69)   | 24                  | 2.0                     | 5.2               | 9   | Alzheimer's disease . . . . . (G30)  | 110                 | 1.8                     | 54.8              |
| 10  | Septicemia . . . . . (A40–A41)   | 16                  | 1.3                     | *                 | 10  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 97                  | 1.6                     | 48.3              |
| ...   | All other causes (residual) . . . . .  | 301                 | 25.2                    | 64.6              | ...   | All other causes (residual) . . . . .  | 1,203               | 19.4                    | 598.9             |
| American Indian or Alaska Native, both sexes, 45–54 years |  |                     |                         |                   | American Indian or Alaska Native, both sexes, 65–74 years       |  |                     |                         |                   |
| ...   | All causes . . . . .   | 1,739               | 100.0                   | 438.7             | ...   | All causes . . . . .   | 2,329               | 100.0                   | 1,930.1           |
| 1   | Malignant neoplasms . . . . . (C00–C97)  | 313                 | 18.0                    | 79.0              | 1   | Malignant neoplasms . . . . . (C00–C97)  | 670                 | 28.8                    | 555.2             |
| 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 282                 | 16.2                    | 71.1              | 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 535                 | 23.0                    | 443.4             |
| 3   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 234                 | 13.5                    | 59.0              | 3   | Diabetes mellitus . . . . . (E10–E14)  | 197                 | 8.5                     | 163.3             |
| 4   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 184                 | 10.6                    | 46.4              | 4   | Chronic lower respiratory diseases . . . (J40–J47)   | 136                 | 5.8                     | 112.7             |
| 5   | Diabetes mellitus . . . . . (E10–E14)  | 85                  | 4.9                     | 21.4              | 5   | Cerebrovascular diseases . . . . . (I60–I69)   | 133                 | 5.7                     | 110.2             |
| 6   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 54                  | 3.1                     | 13.6              | 6   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 89                  | 3.8                     | 73.8              |
| 7   | Cerebrovascular diseases . . . . . (I60–I69)   | 49                  | 2.8                     | 12.4              | 7   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 64                  | 2.7                     | 53.0              |
| 8   | Septicemia . . . . . (A40–A41)   | 31                  | 1.8                     | 7.8               | 8   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 60                  | 2.6                     | 49.7              |
| 8   | Viral hepatitis . . . . . (B15–B19)  | 31                  | 1.8                     | 7.8               | 9   | Influenza and pneumonia . . . . . (J10–J18)  | 38                  | 1.6                     | 31.5              |
| 10  | Chronic lower respiratory diseases . . . (J40–J47)   | 29                  | 1.7                     | 7.3               | 10  | Septicemia . . . . . (A40–A41)   | 25                  | 1.1                     | 20.7              |
| 10  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 29                  | 1.7                     | 7.3               | ...   | All other causes (residual) . . . . .  | 382                 | 16.4                    | 316.6             |
| ...   | All other causes (residual) . . . . .  | 418                 | 24.0                    | 105.5             | American Indian or Alaska Native, both sexes, 75–84 years       |  |                     |                         |                   |
| American Indian or Alaska Native, both sexes, 55–64 years |  |                     |                         |                   | ...   | All causes . . . . .   | 2,375               | 100.0                   | 3,972.8           |
| ...   | All causes . . . . .   | 2,073               | 100.0                   | 878.9             | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 624                 | 26.3                    | 1,043.8           |
| 1   | Malignant neoplasms . . . . . (C00–C97)  | 564                 | 27.2                    | 239.1             | 2   | Malignant neoplasms . . . . . (C00–C97)  | 511                 | 21.5                    | 854.8             |
| 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 439                 | 21.2                    | 186.1             | 3   | Diabetes mellitus . . . . . (E10–E14)  | 173                 | 7.3                     | 289.4             |
| 3   | Diabetes mellitus . . . . . (E10–E14)  | 193                 | 9.3                     | 81.8              | 4   | Cerebrovascular diseases . . . . . (I60–I69)   | 168                 | 7.1                     | 281.0             |
| 4   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 144                 | 6.9                     | 61.1              | 5   | Chronic lower respiratory diseases . . . (J40–J47)   | 161                 | 6.8                     | 269.3             |
| 5   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 117                 | 5.6                     | 49.6              | 6   | Influenza and pneumonia . . . . . (J10–J18)  | 91                  | 3.8                     | 152.2             |
| 6   | Chronic lower respiratory diseases . . . (J40–J47)   | 89                  | 4.3                     | 37.7              | 7   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 65                  | 2.7                     | 108.7             |
| 7   | Cerebrovascular diseases . . . . . (I60–I69)   | 64                  | 3.1                     | 27.1              | 8   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 59                  | 2.5                     | 98.7              |
| 8   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 39                  | 1.9                     | 16.5              | 9   | Alzheimer's disease . . . . . (G30)  | 43                  | 1.8                     | 71.9              |
| 9   | Septicemia . . . . . (A40–A41)   | 33                  | 1.6                     | 14.0              | 10  | Septicemia . . . . . (A40–A41)   | 31                  | 1.3                     | 51.9              |
| 10  | Influenza and pneumonia . . . . . (J10–J18)  | 32                  | 1.5                     | 13.6              | ...   | All other causes (residual) . . . . .  | 449                 | 18.9                    | 751.1             |
| ...   | All other causes (residual) . . . . .  | 359                 | 17.3                    | 152.2             |   |  |                     |                         |                   |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>   | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                                   | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| American Indian or Alaska Native, both sexes, 85 years and over |  |                     |                         |                   | American Indian or Alaska Native, male, 5–9 years   |  |                     |                         |                   |
| ...   | All causes . . . . .   | 1,503               | 100.0                   | 7,362.6           | ...   | All causes . . . . .   | 28                  | 100.0                   | 20.3              |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 524                 | 34.9                    | 2,566.9           | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 11                  | 39.3                    | *                 |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 175                 | 11.6                    | 857.3             | 2   | Malignant neoplasms . . . . . (C00–C97)  | 6                   | 21.4                    | *                 |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 135                 | 9.0                     | 661.3             | 3   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 4                   | 14.3                    | *                 |
| 4   | Influenza and pneumonia . . . . . (J10–J18)  | 74                  | 4.9                     | 362.5             | 4   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 2                   | 7.1                     | *                 |
| 5   | Alzheimer's disease . . . . . (G30)  | 56                  | 3.7                     | 274.3             | 5   | Pneumonitis due to solids and liquids . . . . . (J69)  | 1                   | 3.6                     | *                 |
| 6   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 55                  | 3.7                     | 269.4             | 5   | Diseases of appendix . . . . . (K35–K38)   | 1                   | 3.6                     | *                 |
| 7   | Diabetes mellitus . . . . . (E10–E14)  | 50                  | 3.3                     | 244.9             | ...   | All other causes (residual) . . . . .  | 3                   | 10.7                    | *                 |
| 8   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 37                  | 2.5                     | 181.2             | American Indian or Alaska Native, male, 10–14 years |  |                     |                         |                   |
| 8   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 37                  | 2.5                     | 181.2             | ...   | All causes . . . . .   | 42                  | 100.0                   | 27.5              |
| 10  | Septicemia . . . . . (A40–A41)   | 25                  | 1.7                     | 122.5             | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 22                  | 52.4                    | 14.4              |
| ...   | All other causes (residual) . . . . .  | 335                 | 22.3                    | 1,641.0           | 2   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 6                   | 14.3                    | *                 |
| American Indian or Alaska Native, male, all ages <sup>3</sup>   |  |                     |                         |                   | 3   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 2                   | 4.8                     | *                 |
| ...   | All causes . . . . .   | 7,134               | 100.0                   | 453.8             | 4   | Septicemia . . . . . (A40–A41)   | 1                   | 2.4                     | *                 |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1,437               | 20.1                    | 91.4              | 4   | Malignant neoplasms . . . . . (C00–C97)  | 1                   | 2.4                     | *                 |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 1,241               | 17.4                    | 78.9              | 4   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 1                   | 2.4                     | *                 |
| 3   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,010               | 14.2                    | 64.2              | 4   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1                   | 2.4                     | *                 |
| 4   | Diabetes mellitus . . . . . (E10–E14)  | 365                 | 5.1                     | 23.2              | 4   | Cerebrovascular diseases . . . . . (I60–I69)   | 1                   | 2.4                     | *                 |
| 5   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 323                 | 4.5                     | 20.5              | 4   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 1                   | 2.4                     | *                 |
| 6   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 306                 | 4.3                     | 19.5              | 4   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 1                   | 2.4                     | *                 |
| 7   | Cerebrovascular diseases . . . . . (I60–I69)   | 246                 | 3.4                     | 15.6              | ...   | All other causes (residual) . . . . .  | 5                   | 11.9                    | *                 |
| 8   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 235                 | 3.3                     | 14.9              | American Indian or Alaska Native, male, 1–4 years   |  |                     |                         |                   |
| 9   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 181                 | 2.5                     | 11.5              | ...   | All causes . . . . .   | 50                  | 100.0                   | 55.3              |
| 10  | Influenza and pneumonia . . . . . (J10–J18)  | 142                 | 2.0                     | 9.0               | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 26                  | 52.0                    | 28.8              |
| ...   | All other causes (residual) . . . . .  | 1,648               | 23.1                    | 104.8             | 2   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 5                   | 10.0                    | *                 |
| American Indian or Alaska Native, male, 1–4 years               |  |                     |                         |                   | 3   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 3                   | 6.0                     | *                 |
| ...   | All causes . . . . .   | 50                  | 100.0                   | 55.3              | 4   | Septicemia . . . . . (A40–A41)   | 2                   | 4.0                     | *                 |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 26                  | 52.0                    | 28.8              | 4   | Malignant neoplasms . . . . . (C00–C97)  | 2                   | 4.0                     | *                 |
| 2   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 5                   | 10.0                    | *                 | 6   | Influenza and pneumonia . . . . . (J10–J18)  | 1                   | 2.0                     | *                 |
| 3   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 3                   | 6.0                     | *                 | ...   | All other causes . . . . . (Residual)  | 11                  | 22.0                    | *                 |
| 4   | Septicemia . . . . . (A40–A41)   | 2                   | 4.0                     | *                 | American Indian or Alaska Native, male, 15–19 years |  |                     |                         |                   |
| 4   | Malignant neoplasms . . . . . (C00–C97)  | 2                   | 4.0                     | *                 | ...   | All causes . . . . .   | 171                 | 100.0                   | 112.5             |
| 6   | Influenza and pneumonia . . . . . (J10–J18)  | 1                   | 2.0                     | *                 | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 78                  | 45.6                    | 51.3              |
| ...   | All other causes . . . . . (Residual)  | 11                  | 22.0                    | *                 | 2   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 49                  | 28.7                    | 32.2              |
| See footnotes at end of table.                                  |  |                     |                         |                   | 3   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 22                  | 12.9                    | 14.5              |
|   |  |                     |                         |                   | 4   | Malignant neoplasms . . . . . (C00–C97)  | 4                   | 2.3                     | *                 |
|   |  |                     |                         |                   | 5   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 3                   | 1.8                     | *                 |
|   |  |                     |                         |                   | 6   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 2                   | 1.2                     | *                 |
|   |  |                     |                         |                   | 7   | Parkinson's disease . . . . . (G20–G21)  | 1                   | 0.6                     | *                 |
|   |  |                     |                         |                   | 7   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1                   | 0.6                     | *                 |
|   |  |                     |                         |                   | ...   | All other causes (residual) . . . . .  | 11                  | 6.4                     | *                 |

See footnotes at end of table.



**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                                   | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision</i> , 1992), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>   | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision</i> , 1992), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| American Indian or Alaska Native, male, 20–24 years |  |                     |                         |                   | American Indian or Alaska Native, male, 45–54 years       |  |                     |                         |                   |
| ...   | All causes . . . . .   | 238                 | 100.0                   | 161.2             | ...   | All causes . . . . .   | 1,045               | 100.0                   | 543.5             |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 125                 | 52.5                    | 84.7              | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 181                 | 17.3                    | 94.1              |
| 2   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 43                  | 18.1                    | 29.1              | 2   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 169                 | 16.2                    | 87.9              |
| 3   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 31                  | 13.0                    | 21.0              | 3   | Malignant neoplasms . . . . . (C00–C97)  | 166                 | 15.9                    | 86.3              |
| 4   | Malignant neoplasms . . . . . (C00–C97)  | 5                   | 2.1                     | *                 | 4   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 105                 | 10.0                    | 54.6              |
| 5   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 3                   | 1.3                     | *                 | 5   | Diabetes mellitus . . . . . (E10–E14)  | 54                  | 5.2                     | 28.1              |
| 6   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 2                   | 0.8                     | *                 | 6   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 40                  | 3.8                     | 20.8              |
| 7   | Septicemia . . . . . (A40–A41)   | 1                   | 0.4                     | *                 | 7   | Cerebrovascular diseases . . . . . (I60–I69)   | 27                  | 2.6                     | 14.0              |
| 7   | Chronic lower respiratory diseases . . . (J40–J47)   | 1                   | 0.4                     | *                 | 8   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 18                  | 1.7                     | *                 |
| 7   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 1                   | 0.4                     | *                 | 9   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 17                  | 1.6                     | *                 |
| 7   | Legal intervention . . . . . (Y35,Y89.0)   | 1                   | 0.4                     | *                 | 9   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 17                  | 1.6                     | *                 |
| ...   | All other causes (residual) . . . . .  | 25                  | 10.5                    | 16.9              | ...   | All other causes (residual) . . . . .  | 251                 | 24.0                    | 130.5             |
| American Indian or Alaska Native, male, 25–34 years |  |                     |                         |                   | American Indian or Alaska Native, male, 55–64 years       |  |                     |                         |                   |
| ...   | All causes . . . . .   | 461                 | 100.0                   | 188.8             | ...   | All causes . . . . .   | 1,212               | 100.0                   | 1,067.3           |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 184                 | 39.9                    | 75.4              | 1   | Malignant neoplasms . . . . . (C00–C97)  | 305                 | 25.2                    | 268.6             |
| 2   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 76                  | 16.5                    | 31.1              | 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 296                 | 24.4                    | 260.7             |
| 3   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 47                  | 10.2                    | 19.3              | 3   | Diabetes mellitus . . . . . (E10–E14)  | 106                 | 8.7                     | 93.3              |
| 4   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 37                  | 8.0                     | 15.2              | 4   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 94                  | 7.8                     | 82.8              |
| 5   | Malignant neoplasms . . . . . (C00–C97)  | 11                  | 2.4                     | *                 | 5   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 84                  | 6.9                     | 74.0              |
| 5   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 11                  | 2.4                     | *                 | 6   | Chronic lower respiratory diseases . . . (J40–J47)   | 46                  | 3.8                     | 40.5              |
| 7   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 8                   | 1.7                     | *                 | 7   | Cerebrovascular diseases . . . . . (I60–I69)   | 34                  | 2.8                     | 29.9              |
| 8   | Diabetes mellitus . . . . . (E10–E14)  | 5                   | 1.1                     | *                 | 8   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 19                  | 1.6                     | *                 |
| 8   | Influenza and pneumonia . . . . . (J10–J18)  | 5                   | 1.1                     | *                 | 9   | Septicemia . . . . . (A40–A41)   | 14                  | 1.2                     | *                 |
| 8   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 5                   | 1.1                     | *                 | 10  | Influenza and pneumonia . . . . . (J10–J18)  | 13                  | 1.1                     | *                 |
| ...   | All other causes (residual) . . . . .  | 72                  | 15.6                    | 29.5              | ...   | All other causes (residual) . . . . .  | 201                 | 16.6                    | 177.0             |
| American Indian or Alaska Native, male, 35–44 years |  |                     |                         |                   | American Indian or Alaska Native, male, 65 years and over |  |                     |                         |                   |
| ...   | All causes . . . . .   | 747                 | 100.0                   | 321.2             | ...   | All causes . . . . .   | 2,895               | 100.0                   | 3,313.3           |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 191                 | 25.6                    | 82.1              | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 828                 | 28.6                    | 947.7             |
| 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 83                  | 11.1                    | 35.7              | 2   | Malignant neoplasms . . . . . (C00–C97)  | 698                 | 24.1                    | 798.9             |
| 3   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 75                  | 10.0                    | 32.3              | 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 176                 | 6.1                     | 201.4             |
| 4   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 71                  | 9.5                     | 30.5              | 4   | Diabetes mellitus . . . . . (E10–E14)  | 175                 | 6.0                     | 200.3             |
| 5   | Malignant neoplasms . . . . . (C00–C97)  | 42                  | 5.6                     | 18.1              | 5   | Chronic lower respiratory diseases . . . (J40–J47)   | 167                 | 5.8                     | 191.1             |
| 6   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 38                  | 5.1                     | 16.3              | 6   | Influenza and pneumonia . . . . . (J10–J18)  | 97                  | 3.4                     | 111.0             |
| 7   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 33                  | 4.4                     | 14.2              | 7   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 92                  | 3.2                     | 105.3             |
| 8   | Diabetes mellitus . . . . . (E10–E14)  | 25                  | 3.3                     | 10.8              | 8   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 66                  | 2.3                     | 75.5              |
| 9   | Septicemia . . . . . (A40–A41)   | 8                   | 1.1                     | *                 | 9   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 46                  | 1.6                     | 52.6              |
| 9   | Viral hepatitis . . . . . (B15–B19)  | 8                   | 1.1                     | *                 | 10  | Septicemia . . . . . (A40–A41)   | 35                  | 1.2                     | 40.1              |
| ...   | All other causes (residual) . . . . .  | 173                 | 23.2                    | 74.4              | ...   | All other causes (residual) . . . . .  | 515                 | 17.8                    | 589.4             |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>   | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>   | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| American Indian or Alaska Native, male, 65–74 years       |  |                     |                         |                   | American Indian or Alaska Native, female, all ages <sup>3</sup> |  |                     |                         |                   |
| ...   | All causes . . . . .   | 1,225               | 100.0                   | 2,196.8           | ...   | All causes . . . . .   | 5,990               | 100.0                   | 380.0             |
| 1   | Malignant neoplasms . . . . . (C00–C97)  | 358                 | 29.2                    | 642.0             | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1,161               | 19.4                    | 73.6              |
| 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 329                 | 26.9                    | 590.0             | 2   | Malignant neoplasms . . . . . (C00–C97)  | 1,151               | 19.2                    | 73.0              |
| 3   | Diabetes mellitus . . . . . (E10–E14)  | 81                  | 6.6                     | 145.3             | 3   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 510                 | 8.5                     | 32.4              |
| 4   | Chronic lower respiratory diseases . . (J40–J47)   | 68                  | 5.6                     | 121.9             | 4   | Diabetes mellitus . . . . . (E10–E14)  | 381                 | 6.4                     | 24.2              |
| 5   | Cerebrovascular diseases . . . . . (I60–I69)   | 61                  | 5.0                     | 109.4             | 5   | Cerebrovascular diseases . . . . . (I60–I69)   | 335                 | 5.6                     | 21.3              |
| 6   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 46                  | 3.8                     | 82.5              | 6   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 254                 | 4.2                     | 16.1              |
| 7   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 30                  | 2.4                     | 53.8              | 7   | Chronic lower respiratory diseases . . (J40–J47)   | 251                 | 4.2                     | 15.9              |
| 8   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 28                  | 2.3                     | 50.2              | 8   | Influenza and pneumonia . . . . . (J10–J18)  | 149                 | 2.5                     | 9.5               |
| 9   | Influenza and pneumonia . . . . . (J10–J18)  | 18                  | 1.5                     | *                 | 9   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 135                 | 2.3                     | 8.6               |
| 10  | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 15                  | 1.2                     | *                 | 10  | Septicemia . . . . . (A40–A41)   | 98                  | 1.6                     | 6.2               |
| ...   | All other causes (residual) . . . . .  | 191                 | 15.6                    | 342.5             | 10  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 98                  | 1.6                     | 6.2               |
| American Indian or Alaska Native, male, 75–84 years       |  |                     |                         |                   | ...   | All other causes (residual) . . . . .  | 1,467               | 24.5                    | 93.1              |
| ...   | All causes . . . . .   | 1,146               | 100.0                   | 4,584.2           | American Indian or Alaska Native, female, 1–4 years             |  |                     |                         |                   |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 313                 | 27.3                    | 1,252.1           | ...   | All causes . . . . .   | 47                  | 100.0                   | 53.4              |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 265                 | 23.1                    | 1,060.0           | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 16                  | 34.0                    | *                 |
| 3   | Diabetes mellitus . . . . . (E10–E14)  | 79                  | 6.9                     | 316.0             | 2   | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                                   | 5                   | 10.6                    | *                 |
| 4   | Cerebrovascular diseases . . . . . (I60–I69)   | 78                  | 6.8                     | 312.0             | 3   | Influenza and pneumonia . . . . . (J10–J18)  | 3                   | 6.4                     | *                 |
| 5   | Chronic lower respiratory diseases . . (J40–J47)   | 75                  | 6.5                     | 300.0             | 4   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 2                   | 4.3                     | *                 |
| 6   | Influenza and pneumonia . . . . . (J10–J18)  | 46                  | 4.0                     | 184.0             | 4   | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 2                   | 4.3                     | *                 |
| 7   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 27                  | 2.4                     | 108.0             | 6   | Malignant neoplasms . . . . . (C00–C97)  | 1                   | 2.1                     | *                 |
| 8   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 22                  | 1.9                     | 88.0              | 6   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 1                   | 2.1                     | *                 |
| 9   | Parkinson's disease . . . . . (G20–G21)  | 17                  | 1.5                     | *                 | 6   | Chronic lower respiratory diseases . . (J40–J47)   | 1                   | 2.1                     | *                 |
| 10  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 15                  | 1.3                     | *                 | 6   | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 1                   | 2.1                     | *                 |
| ...   | All other causes (residual) . . . . .  | 209                 | 18.2                    | 836.0             | ...   | All other causes (residual) . . . . .  | 15                  | 31.9                    | *                 |
| American Indian or Alaska Native, male, 85 years and over |  |                     |                         |                   | American Indian or Alaska Native, female, 5–9 years             |  |                     |                         |                   |
| ...   | All causes . . . . .   | 524                 | 100.0                   | 7,923.8           | ...   | All causes . . . . .   | 25                  | 100.0                   | 18.8              |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 186                 | 35.5                    | 2,812.6           | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 11                  | 44.0                    | *                 |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 75                  | 14.3                    | 1,134.1           | 2   | Septicemia . . . . . (A40–A41)   | 2                   | 8.0                     | *                 |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 37                  | 7.1                     | 559.5             | 3   | Malignant neoplasms . . . . . (C00–C97)  | 1                   | 4.0                     | *                 |
| 4   | Influenza and pneumonia . . . . . (J10–J18)  | 33                  | 6.3                     | 499.0             | 3   | Anemias . . . . . (D50–D64)  | 1                   | 4.0                     | *                 |
| 5   | Chronic lower respiratory diseases . . (J40–J47)   | 24                  | 4.6                     | 362.9             | 3   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1                   | 4.0                     | *                 |
| 6   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 19                  | 3.6                     | *                 | 3   | Influenza and pneumonia . . . . . (J10–J18)  | 1                   | 4.0                     | *                 |
| 7   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 16                  | 3.1                     | *                 | 3   | Chronic lower respiratory diseases . . (J40–J47)   | 1                   | 4.0                     | *                 |
| 8   | Diabetes mellitus . . . . . (E10–E14)  | 15                  | 2.9                     | *                 | 3   | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                                   | 1                   | 4.0                     | *                 |
| 9   | Septicemia . . . . . (A40–A41)   | 10                  | 1.9                     | *                 | ...   | All other causes (residual) . . . . .  | 6                   | 24.0                    | *                 |
| 9   | Alzheimer's disease . . . . . (G30)  | 10                  | 1.9                     | *                 |   |  |                     |                         |                   |
| ...   | All other causes (residual) . . . . .  | 99                  | 18.9                    | 1,497.1           |   |  |                     |                         |                   |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                                     | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision</i> , 1992), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                                     | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision</i> , 1992), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| American Indian or Alaska Native, female, 10–14 years |  |                     |                         |                   | American Indian or Alaska Native, female, 25–34 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 32                  | 100.0                   | 21.5              | ...   | All causes . . . . .   | 234                 | 100.0                   | 102.9             |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 17                  | 53.1                    | *                 | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 78                  | 33.3                    | 34.3              |
| 2   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 4                   | 12.5                    | *                 | 2   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 26                  | 11.1                    | 11.4              |
| 3   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 2                   | 6.3                     | *                 | 3   | Malignant neoplasms . . . . . (C00–C97)  | 14                  | 6.0                     | *                 |
| 4   | Septicemia . . . . . (A40–A41)   | 1                   | 3.1                     | *                 | 4   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 11                  | 4.7                     | *                 |
| 4   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 1                   | 3.1                     | *                 | 5   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 10                  | 4.3                     | *                 |
| ...   | All other causes (residual) . . . . .  | 7                   | 21.9                    | *                 | 6   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 7                   | 3.0                     | *                 |
| American Indian or Alaska Native, female, 15–19 years |  |                     |                         |                   | American Indian or Alaska Native, female, 35–44 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 89                  | 100.0                   | 60.7              | ...   | All causes . . . . .   | 447                 | 100.0                   | 191.6             |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 44                  | 49.4                    | 30.0              | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 99                  | 22.1                    | 42.4              |
| 2   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 20                  | 22.5                    | 13.6              | 2   | Malignant neoplasms . . . . . (C00–C97)  | 64                  | 14.3                    | 27.4              |
| 3   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 7                   | 7.9                     | *                 | 3   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 53                  | 11.9                    | 22.7              |
| 4   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 5                   | 5.6                     | *                 | 4   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 35                  | 7.8                     | 15.0              |
| 5   | Malignant neoplasms . . . . . (C00–C97)  | 2                   | 2.2                     | *                 | 5   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 19                  | 4.3                     | *                 |
| 6   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 1                   | 1.1                     | *                 | 6   | Cerebrovascular diseases . . . . . (I60–I69)   | 18                  | 4.0                     | *                 |
| 6   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 1                   | 1.1                     | *                 | 7   | Diabetes mellitus . . . . . (E10–E14)  | 11                  | 2.5                     | *                 |
| 6   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 1                   | 1.1                     | *                 | 8   | Septicemia . . . . . (A40–A41)   | 8                   | 1.8                     | *                 |
| ...   | All other causes (residual) . . . . .  | 8                   | 9.0                     | *                 | 8   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 8                   | 1.8                     | *                 |
| American Indian or Alaska Native, female, 20–24 years |  |                     |                         |                   | American Indian or Alaska Native, female, 45–54 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 95                  | 100.0                   | 68.9              | ...   | All causes . . . . .   | 694                 | 100.0                   | 340.0             |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 48                  | 50.5                    | 34.8              | 1   | Malignant neoplasms . . . . . (C00–C97)  | 147                 | 21.2                    | 72.0              |
| 2   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 10                  | 10.5                    | *                 | 2   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 101                 | 14.6                    | 49.5              |
| 3   | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 7                   | 7.4                     | *                 | 3   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 79                  | 11.4                    | 38.7              |
| 4   | Malignant neoplasms . . . . . (C00–C97)  | 5                   | 5.3                     | *                 | 4   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 65                  | 9.4                     | 31.8              |
| 5   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 3                   | 3.2                     | *                 | 5   | Diabetes mellitus . . . . . (E10–E14)  | 31                  | 4.5                     | 15.2              |
| 6   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 2                   | 2.1                     | *                 | 6   | Cerebrovascular diseases . . . . . (I60–I69)   | 22                  | 3.2                     | 10.8              |
| 7   | Septicemia . . . . . (A40–A41)   | 1                   | 1.1                     | *                 | 7   | Viral hepatitis . . . . . (B15–B19)  | 17                  | 2.4                     | *                 |
| 7   | Diabetes mellitus . . . . . (E10–E14)  | 1                   | 1.1                     | *                 | 8   | Septicemia . . . . . (A40–A41)   | 16                  | 2.3                     | *                 |
| 7   | Cerebrovascular diseases . . . . . (I60–I69)   | 1                   | 1.1                     | *                 | 8   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 16                  | 2.3                     | *                 |
| 7   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1                   | 1.1                     | *                 | 10  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 14                  | 2.0                     | *                 |
| 7   | Diseases of appendix . . . . . (K35–K38)   | 1                   | 1.1                     | *                 | ...   | All other causes (residual) . . . . .  | 186                 | 26.8                    | 91.1              |
| 7   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 1                   | 1.1                     | *                 |   |  |                     |                         |                   |
| 7   | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 1                   | 1.1                     | *                 |   |  |                     |                         |                   |
| ...   | All other causes (residual) . . . . .  | 13                  | 13.7                    | *                 |   |  |                     |                         |                   |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>   | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>  | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|--|--|---------------------|-------------------------|-------------------|
| American Indian or Alaska Native, female, 55–64 years       |  |                     |                         |                   | American Indian or Alaska Native, female, 75–84 years        |  |                     |                         |                   |
| ...   | All causes . . . . .   | 861                 | 100.0                   | 704.0             | ...  | All causes . . . . .   | 1,229               | 100.0                   | 3,533.4           |
| 1   | Malignant neoplasms . . . . . (C00–C97)  | 259                 | 30.1                    | 211.8             | 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 311                 | 25.3                    | 894.1             |
| 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 143                 | 16.6                    | 116.9             | 2  | Malignant neoplasms . . . . . (C00–C97)  | 246                 | 20.0                    | 707.3             |
| 3   | Diabetes mellitus . . . . . (E10–E14)  | 87                  | 10.1                    | 71.1              | 3  | Diabetes mellitus . . . . . (E10–E14)  | 94                  | 7.6                     | 270.3             |
| 4   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 60                  | 7.0                     | 49.1              | 4  | Cerebrovascular diseases . . . . . (I60–I69)   | 90                  | 7.3                     | 258.8             |
| 5   | Chronic lower respiratory diseases . . (J40–J47)   | 43                  | 5.0                     | 35.2              | 5  | Chronic lower respiratory diseases . . (J40–J47)   | 86                  | 7.0                     | 247.3             |
| 6   | Cerebrovascular diseases . . . . . (I60–I69)   | 30                  | 3.5                     | 24.5              | 6  | Influenza and pneumonia . . . . . (J10–J18)  | 45                  | 3.7                     | 129.4             |
| 7   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 23                  | 2.7                     | 18.8              | 7  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 38                  | 3.1                     | 109.3             |
| 8   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 20                  | 2.3                     | 16.4              | 8  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 37                  | 3.0                     | 106.4             |
| 9   | Septicemia . . . . . (A40–A41)   | 19                  | 2.2                     | *                 | 9  | Alzheimer's disease . . . . . (G30)  | 29                  | 2.4                     | 83.4              |
| 9   | Influenza and pneumonia . . . . . (J10–J18)  | 19                  | 2.2                     | *                 | 10   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 20                  | 1.6                     | 57.5              |
| ...   | All other causes (residual) . . . . .  | 158                 | 18.4                    | 129.2             | ...  | All other causes (residual) . . . . .  | 233                 | 19.0                    | 669.9             |
| American Indian or Alaska Native, female, 65 years and over |  |                     |                         |                   | American Indian or Alaska Native, female, 85 years and over  |  |                     |                         |                   |
| ...   | All causes . . . . .   | 3,312               | 100.0                   | 2,918.3           | ...  | All causes . . . . .   | 979                 | 100.0                   | 7,093.7           |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 855                 | 25.8                    | 753.4             | 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 338                 | 34.5                    | 2,449.1           |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 658                 | 19.9                    | 579.8             | 2  | Malignant neoplasms . . . . . (C00–C97)  | 100                 | 10.2                    | 724.6             |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 260                 | 7.9                     | 229.1             | 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 98                  | 10.0                    | 710.1             |
| 4   | Diabetes mellitus . . . . . (E10–E14)  | 245                 | 7.4                     | 215.9             | 4  | Alzheimer's disease . . . . . (G30)  | 46                  | 4.7                     | 333.3             |
| 5   | Chronic lower respiratory diseases . . (J40–J47)   | 185                 | 5.6                     | 163.0             | 5  | Influenza and pneumonia . . . . . (J10–J18)  | 41                  | 4.2                     | 297.1             |
| 6   | Influenza and pneumonia . . . . . (J10–J18)  | 106                 | 3.2                     | 93.4              | 6  | Diabetes mellitus . . . . . (E10–E14)  | 35                  | 3.6                     | 253.6             |
| 7   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 99                  | 3.0                     | 87.2              | 7  | Chronic lower respiratory diseases . . (J40–J47)   | 31                  | 3.2                     | 224.6             |
| 8   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 90                  | 2.7                     | 79.3              | 8  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 21                  | 2.1                     | 152.2             |
| 9   | Alzheimer's disease . . . . . (G30)  | 80                  | 2.4                     | 70.5              | 9  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 18                  | 1.8                     | *                 |
| 10  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 51                  | 1.5                     | 44.9              | 10   | Septicemia . . . . . (A40–A41)   | 15                  | 1.5                     | *                 |
| ...   | All other causes (residual) . . . . .  | 683                 | 20.6                    | 601.8             | ...  | All other causes (residual) . . . . .  | 236                 | 24.1                    | 1,710.0           |
| American Indian or Alaska Native, female, 65–74 years       |  |                     |                         |                   | Asian or Pacific Islander, both sexes, all ages <sup>3</sup> |  |                     |                         |                   |
| ...   | All causes . . . . .   | 1,104               | 100.0                   | 1,700.9           | ...  | All causes . . . . .   | 40,533              | 100.0                   | 297.2             |
| 1   | Malignant neoplasms . . . . . (C00–C97)  | 312                 | 28.3                    | 480.7             | 1  | Malignant neoplasms . . . . . (C00–C97)  | 10,863              | 26.8                    | 79.7              |
| 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 206                 | 18.7                    | 317.4             | 2  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 9,960               | 24.6                    | 73.0              |
| 3   | Diabetes mellitus . . . . . (E10–E14)  | 116                 | 10.5                    | 178.7             | 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 3,507               | 8.7                     | 25.7              |
| 4   | Cerebrovascular diseases . . . . . (I60–I69)   | 72                  | 6.5                     | 110.9             | 4  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,932               | 4.8                     | 14.2              |
| 5   | Chronic lower respiratory diseases . . (J40–J47)   | 68                  | 6.2                     | 104.8             | 5  | Diabetes mellitus . . . . . (E10–E14)  | 1,471               | 3.6                     | 10.8              |
| 6   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 43                  | 3.9                     | 66.2              | 6  | Influenza and pneumonia . . . . . (J10–J18)  | 1,243               | 3.1                     | 9.1               |
| 7   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 34                  | 3.1                     | 52.4              | 7  | Chronic lower respiratory diseases . . (J40–J47)   | 1,187               | 2.9                     | 8.7               |
| 8   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 32                  | 2.9                     | 49.3              | 8  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 765                 | 1.9                     | 5.6               |
| 9   | Influenza and pneumonia . . . . . (J10–J18)  | 20                  | 1.8                     | 30.8              | 9  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 708                 | 1.7                     | 5.2               |
| 10  | Septicemia . . . . . (A40–A41)   | 13                  | 1.2                     | *                 | 10   | Alzheimer's disease . . . . . (G30)  | 534                 | 1.3                     | 3.9               |
| ...   | All other causes (residual) . . . . .  | 188                 | 17.0                    | 289.6             | ...  | All other causes (residual) . . . . .  | 8,363               | 20.6                    | 61.3              |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                                | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                                  | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--|--|---------------------|-------------------------|-------------------|--|--|---------------------|-------------------------|-------------------|
| Asian or Pacific Islander, both sexes, 1–4 years |  |                     |                         |                   | Asian or Pacific Islander, both sexes, 10–14 years |  |                     |                         |                   |
| ...  | All causes . . . . .   | 161                 | 100.0                   | 21.3              | ...  | All causes . . . . .   | 116                 | 100.0                   | 12.7              |
| 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 33                  | 20.5                    | 4.4               | 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 39                  | 33.6                    | 4.3               |
| 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 29                  | 18.0                    | 3.8               | 2  | Malignant neoplasms . . . . . (C00–C97)  | 23                  | 19.8                    | 2.5               |
| 3  | Malignant neoplasms . . . . . (C00–C97)  | 20                  | 12.4                    | 2.6               | 3  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 8                   | 6.9                     | *                 |
| 4  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 7                   | 4.3                     | *                 | 4  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 6                   | 5.2                     | *                 |
| 5  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 6                   | 3.7                     | *                 | 5  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 5                   | 4.3                     | *                 |
| 6  | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 4                   | 2.5                     | *                 | 6  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 3                   | 2.6                     | *                 |
| 7  | Septicemia . . . . . (A40–A41)   | 3                   | 1.9                     | *                 | 6  | Influenza and pneumonia . . . . . (J10–J18)  | 3                   | 2.6                     | *                 |
| 7  | Influenza and pneumonia . . . . . (J10–J18)  | 3                   | 1.9                     | *                 | 8  | Diabetes mellitus . . . . . (E10–E14)  | 2                   | 1.7                     | *                 |
| 7  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 3                   | 1.9                     | *                 | 8  | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 2                   | 1.7                     | *                 |
| 10   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 1                   | 0.6                     | *                 | 10   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 1                   | 0.9                     | *                 |
| 10   | Anemias . . . . . (D50–D64)  | 1                   | 0.6                     | *                 | 10   | Cerebrovascular diseases . . . . . (I60–I69)   | 1                   | 0.9                     | *                 |
| 10   | Diabetes mellitus . . . . . (E10–E14)  | 1                   | 0.6                     | *                 | 10   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1                   | 0.9                     | *                 |
| 10   | Meningitis . . . . . (G00,G03)   | 1                   | 0.6                     | *                 | 10   | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 1                   | 0.9                     | *                 |
| 10   | Cerebrovascular diseases . . . . . (I60–I69)   | 1                   | 0.6                     | *                 | ...  | All other causes (residual) . . . . .  | 21                  | 18.1                    | 2.3               |
| 10   | Acute bronchitis and bronchiolitis . . . . . (J20–J21)   | 1                   | 0.6                     | *                 |  |  |                     |                         |                   |
| 10   | Peptic ulcer . . . . . (K25–K28)   | 1                   | 0.6                     | *                 |  |  |                     |                         |                   |
| ...  | All other causes (residual) . . . . .  | 46                  | 28.6                    | 6.1               |  |  |                     |                         |                   |
| Asian or Pacific Islander, both sexes, 5–9 years |  |                     |                         |                   | Asian or Pacific Islander, both sexes, 15–19 years |  |                     |                         |                   |
| ...  | All causes . . . . .   | 107                 | 100.0                   | 11.8              | ...  | All causes . . . . .   | 316                 | 100.0                   | 34.7              |
| 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 43                  | 40.2                    | 4.7               | 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 141                 | 44.6                    | 15.5              |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 25                  | 23.4                    | 2.7               | 2  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 51                  | 16.1                    | 5.6               |
| 3  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 5                   | 4.7                     | *                 | 3  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 39                  | 12.3                    | 4.3               |
| 4  | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 2                   | 1.9                     | *                 | 4  | Malignant neoplasms . . . . . (C00–C97)  | 18                  | 5.7                     | *                 |
| 4  | Anemias . . . . . (D50–D64)  | 2                   | 1.9                     | *                 | 5  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 10                  | 3.2                     | *                 |
| 4  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 2                   | 1.9                     | *                 | 6  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 8                   | 2.5                     | *                 |
| 7  | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 1                   | 0.9                     | *                 | 7  | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 3                   | 0.9                     | *                 |
| 7  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 1                   | 0.9                     | *                 | 7  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 3                   | 0.9                     | *                 |
| 7  | Influenza and pneumonia . . . . . (J10–J18)  | 1                   | 0.9                     | *                 | 7  | Legal intervention . . . . . (Y35,Y89.0)   | 3                   | 0.9                     | *                 |
| 7  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1                   | 0.9                     | *                 | 10   | Meningococcal infection . . . . . (A39)  | 1                   | 0.3                     | *                 |
| 7  | Diseases of appendix . . . . . (K35–K38)   | 1                   | 0.9                     | *                 | 10   | Septicemia . . . . . (A40–A41)   | 1                   | 0.3                     | *                 |
| 7  | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 1                   | 0.9                     | *                 | 10   | Viral hepatitis . . . . . (B15–B19)  | 1                   | 0.3                     | *                 |
| ...  | All other causes (residual) . . . . .  | 22                  | 20.6                    | 2.4               | 10   | Nutritional deficiencies . . . . . (E40–E64)   | 1                   | 0.3                     | *                 |
|  |  |                     |                         |                   | 10   | Cerebrovascular diseases . . . . . (I60–I69)   | 1                   | 0.3                     | *                 |
|  |  |                     |                         |                   | 10   | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 1                   | 0.3                     | *                 |
|  |  |                     |                         |                   | ...  | All other causes (residual) . . . . .  | 34                  | 10.8                    | 3.7               |

See footnotes at end of table.



**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                                  | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                                  | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--|--|---------------------|-------------------------|-------------------|--|--|---------------------|-------------------------|-------------------|
| Asian or Pacific Islander, both sexes, 20–24 years |  |                     |                         |                   | Asian or Pacific Islander, both sexes, 35–44 years |  |                     |                         |                   |
| ...  | All causes . . . . .   | 450                 | 100.0                   | 43.3              | ...  | All causes . . . . .   | 1,654               | 100.0                   | 72.2              |
| 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 178                 | 39.6                    | 17.1              | 1  | Malignant neoplasms . . . . . (C00–C97)  | 549                 | 33.2                    | 24.0              |
| 2  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 68                  | 15.1                    | 6.5               | 2  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 236                 | 14.3                    | 10.3              |
| 3  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 50                  | 11.1                    | 4.8               | 3  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 220                 | 13.3                    | 9.6               |
| 4  | Malignant neoplasms . . . . . (C00–C97)  | 41                  | 9.1                     | 3.9               | 4  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 136                 | 8.2                     | 5.9               |
| 5  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 23                  | 5.1                     | 2.2               | 5  | Cerebrovascular diseases . . . . . (I60–I69)   | 77                  | 4.7                     | 3.4               |
| 6  | Cerebrovascular diseases . . . . . (I60–I69)   | 8                   | 1.8                     | *                 | 6  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 49                  | 3.0                     | 2.1               |
| 7  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 5                   | 1.1                     | *                 | 7  | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 37                  | 2.2                     | 1.6               |
| 8  | Septicemia . . . . . (A40–A41)   | 4                   | 0.9                     | *                 | 8  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 34                  | 2.1                     | 1.5               |
| 8  | Aortic aneurysm and dissection . . . . . (I71)   | 4                   | 0.9                     | *                 | 9  | Diabetes mellitus . . . . . (E10–E14)  | 22                  | 1.3                     | 1.0               |
| 8  | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 4                   | 0.9                     | *                 | 10   | Viral hepatitis . . . . . (B15–B19)  | 15                  | 0.9                     | *                 |
| ...  | All other causes (residual) . . . . .  | 65                  | 14.4                    | 6.3               | ...  | All other causes (residual) . . . . .  | 279                 | 16.9                    | 12.2              |
| Asian or Pacific Islander, both sexes, 25–34 years |  |                     |                         |                   | Asian or Pacific Islander, both sexes, 45–54 years |  |                     |                         |                   |
| ...  | All causes . . . . .   | 973                 | 100.0                   | 38.6              | ...  | All causes . . . . .   | 3,529               | 100.0                   | 190.9             |
| 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 243                 | 25.0                    | 9.6               | 1  | Malignant neoplasms . . . . . (C00–C97)  | 1,426               | 40.4                    | 77.1              |
| 2  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 163                 | 16.8                    | 6.5               | 2  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 625                 | 17.7                    | 33.8              |
| 3  | Malignant neoplasms . . . . . (C00–C97)  | 158                 | 16.2                    | 6.3               | 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 269                 | 7.6                     | 14.5              |
| 4  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 95                  | 9.8                     | 3.8               | 4  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 223                 | 6.3                     | 12.1              |
| 5  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 76                  | 7.8                     | 3.0               | 5  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 144                 | 4.1                     | 7.8               |
| 6  | Cerebrovascular diseases . . . . . (I60–I69)   | 16                  | 1.6                     | *                 | 6  | Diabetes mellitus . . . . . (E10–E14)  | 104                 | 2.9                     | 5.6               |
| 7  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 15                  | 1.5                     | *                 | 7  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 64                  | 1.8                     | 3.5               |
| 8  | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 12                  | 1.2                     | *                 | 8  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 61                  | 1.7                     | 3.3               |
| 9  | Septicemia . . . . . (A40–A41)   | 9                   | 0.9                     | *                 | 9  | Septicemia . . . . . (A40–A41)   | 41                  | 1.2                     | 2.2               |
| 9  | Diabetes mellitus . . . . . (E10–E14)  | 9                   | 0.9                     | *                 | 10   | Viral hepatitis . . . . . (B15–B19)  | 37                  | 1.0                     | 2.0               |
| 9  | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 9                   | 0.9                     | *                 | ...  | All other causes (residual) . . . . .  | 535                 | 15.2                    | 28.9              |
| ...  | All other causes (residual) . . . . .  | 168                 | 17.3                    | 6.7               | Asian or Pacific Islander, both sexes, 55–64 years |  |                     |                         |                   |
| ...  | All causes . . . . .   | 4,963               | 100.0                   | 435.5             | ...  | All causes . . . . .   | 4,963               | 100.0                   | 435.5             |
| 1  | Malignant neoplasms . . . . . (C00–C97)  | 2,023               | 40.8                    | 177.5             | 1  | Malignant neoplasms . . . . . (C00–C97)  | 2,023               | 40.8                    | 177.5             |
| 2  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 1,046               | 21.1                    | 91.8              | 2  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 1,046               | 21.1                    | 91.8              |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 366                 | 7.4                     | 32.1              | 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 366                 | 7.4                     | 32.1              |
| 4  | Diabetes mellitus . . . . . (E10–E14)  | 223                 | 4.5                     | 19.6              | 4  | Diabetes mellitus . . . . . (E10–E14)  | 223                 | 4.5                     | 19.6              |
| 5  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 188                 | 3.8                     | 16.5              | 5  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 188                 | 3.8                     | 16.5              |
| 6  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 82                  | 1.7                     | 7.2               | 6  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 82                  | 1.7                     | 7.2               |
| 7  | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 81                  | 1.6                     | 7.1               | 7  | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 81                  | 1.6                     | 7.1               |
| 8  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 76                  | 1.5                     | 6.7               | 8  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 76                  | 1.5                     | 6.7               |
| 9  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 73                  | 1.5                     | 6.4               | 9  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 73                  | 1.5                     | 6.4               |
| 10   | Septicemia . . . . . (A40–A41)   | 69                  | 1.4                     | 6.1               | 10   | Septicemia . . . . . (A40–A41)   | 69                  | 1.4                     | 6.1               |
| ...  | All other causes (residual) . . . . .  | 736                 | 14.8                    | 64.6              | ...  | All other causes (residual) . . . . .  | 736                 | 14.8                    | 64.6              |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>  | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>  | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--|--|---------------------|-------------------------|-------------------|--|--|---------------------|-------------------------|-------------------|
| Asian or Pacific Islander, both sexes, 65 years and over |  |                     |                         |                   | Asian or Pacific Islander, both sexes, 85 years and over |  |                     |                         |                   |
| ...  | All causes . . . . .   | 27,439              | 100.0                   | 2,460.3           | ...  | All causes . . . . .   | 9,230               | 100.0                   | 8,881.7           |
| 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 7,909               | 28.8                    | 709.1             | 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 3,164               | 34.3                    | 3,044.6           |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 6,577               | 24.0                    | 589.7             | 2  | Malignant neoplasms . . . . . (C00–C97)  | 1,175               | 12.7                    | 1,130.7           |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 2,761               | 10.1                    | 247.6             | 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 1,014               | 11.0                    | 975.7             |
| 4  | Influenza and pneumonia . . . . . (J10–J18)  | 1,118               | 4.1                     | 100.2             | 4  | Influenza and pneumonia . . . . . (J10–J18)  | 570                 | 6.2                     | 548.5             |
| 5  | Diabetes mellitus . . . . . (E10–E14)  | 1,110               | 4.0                     | 99.5              | 5  | Chronic lower respiratory diseases . . . (J40–J47)   | 398                 | 4.3                     | 383.0             |
| 6  | Chronic lower respiratory diseases . . . (J40–J47)   | 1,058               | 3.9                     | 94.9              | 6  | Alzheimer's disease . . . . . (G30)  | 307                 | 3.3                     | 295.4             |
| 7  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 588                 | 2.1                     | 52.7              | 7  | Diabetes mellitus . . . . . (E10–E14)  | 303                 | 3.3                     | 291.6             |
| 8  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 570                 | 2.1                     | 51.1              | 8  | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 200                 | 2.2                     | 192.5             |
| 9  | Alzheimer's disease . . . . . (G30)  | 526                 | 1.9                     | 47.2              | 9  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 175                 | 1.9                     | 168.4             |
| 10   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 447                 | 1.6                     | 40.1              | 10   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 170                 | 1.8                     | 163.6             |
| ...  | All other causes (residual) . . . . .  | 4,775               | 17.4                    | 428.1             | ...  | All other causes (residual) . . . . .  | 1,754               | 19.0                    | 1,687.8           |
| Asian or Pacific Islander, both sexes, 65–74 years       |  |                     |                         |                   | Asian or Pacific Islander, male, all ages <sup>3</sup>   |  |                     |                         |                   |
| ...  | All causes . . . . .   | 7,393               | 100.0                   | 1,124.7           | ...  | All causes . . . . .   | 21,298              | 100.0                   | 321.1             |
| 1  | Malignant neoplasms . . . . . (C00–C97)  | 2,709               | 36.6                    | 412.1             | 1  | Malignant neoplasms . . . . . (C00–C97)  | 5,696               | 26.7                    | 85.9              |
| 2  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1,767               | 23.9                    | 268.8             | 2  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 5,400               | 25.4                    | 81.4              |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 585                 | 7.9                     | 89.0              | 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 1,614               | 7.6                     | 24.3              |
| 4  | Diabetes mellitus . . . . . (E10–E14)  | 333                 | 4.5                     | 50.7              | 4  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,170               | 5.5                     | 17.6              |
| 5  | Chronic lower respiratory diseases . . . (J40–J47)   | 211                 | 2.9                     | 32.1              | 5  | Chronic lower respiratory diseases . . . (J40–J47)   | 743                 | 3.5                     | 11.2              |
| 6  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 186                 | 2.5                     | 28.3              | 6  | Diabetes mellitus . . . . . (E10–E14)  | 708                 | 3.3                     | 10.7              |
| 7  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 152                 | 2.1                     | 23.1              | 7  | Influenza and pneumonia . . . . . (J10–J18)  | 596                 | 2.8                     | 9.0               |
| 8  | Influenza and pneumonia . . . . . (J10–J18)  | 151                 | 2.0                     | 23.0              | 8  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 524                 | 2.5                     | 7.9               |
| 9  | Septicemia . . . . . (A40–A41)   | 98                  | 1.3                     | 14.9              | 9  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 372                 | 1.7                     | 5.6               |
| 10   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 82                  | 1.1                     | 12.5              | 10   | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 256                 | 1.2                     | 3.9               |
| ...  | All other causes (residual) . . . . .  | 1,119               | 15.1                    | 170.2             | ...  | All other causes (residual) . . . . .  | 4,219               | 19.8                    | 63.6              |
| Asian or Pacific Islander, both sexes, 75–84 years       |  |                     |                         |                   | Asian or Pacific Islander, male, 1–4 years               |  |                     |                         |                   |
| ...  | All causes . . . . .   | 10,816              | 100.0                   | 3,055.3           | ...  | All causes . . . . .   | 80                  | 100.0                   | 20.7              |
| 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 2,978               | 27.5                    | 841.2             | 1  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 16                  | 20.0                    | *                 |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 2,693               | 24.9                    | 760.7             | 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 16                  | 20.0                    | *                 |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 1,162               | 10.7                    | 328.2             | 3  | Malignant neoplasms . . . . . (C00–C97)  | 12                  | 15.0                    | *                 |
| 4  | Diabetes mellitus . . . . . (E10–E14)  | 474                 | 4.4                     | 133.9             | 4  | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 3                   | 3.8                     | *                 |
| 5  | Chronic lower respiratory diseases . . . (J40–J47)   | 449                 | 4.2                     | 126.8             | 4  | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)   | 3                   | 3.8                     | *                 |
| 6  | Influenza and pneumonia . . . . . (J10–J18)  | 397                 | 3.7                     | 112.1             | 6  | Influenza and pneumonia . . . . . (J10–J18)  | 2                   | 2.5                     | *                 |
| 7  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 243                 | 2.2                     | 68.6              | 7  | Septicemia . . . . . (A40–A41)   | 1                   | 1.3                     | *                 |
| 8  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 232                 | 2.1                     | 65.5              | 7  | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 1                   | 1.3                     | *                 |
| 9  | Alzheimer's disease . . . . . (G30)  | 186                 | 1.7                     | 52.5              | 7  | Diabetes mellitus . . . . . (E10–E14)  | 1                   | 1.3                     | *                 |
| 10   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 165                 | 1.5                     | 46.6              | 7  | Meningitis . . . . . (G00,G03)   | 1                   | 1.3                     | *                 |
| ...  | All other causes (residual) . . . . .  | 1,837               | 17.0                    | 518.9             | 7  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1                   | 1.3                     | *                 |
| See footnotes at end of table.                           |  |                     |                         |                   | 7  | Acute bronchitis and bronchiolitis . . . (J20–J21)   | 1                   | 1.3                     | *                 |
|  |  |                     |                         |                   | 7  | Chronic lower respiratory diseases . . . (J40–J47)   | 1                   | 1.3                     | *                 |
|  |  |                     |                         |                   | ...  | All other causes (residual) . . . . .  | 21                  | 26.3                    | 5.4               |

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                            | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                            | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--|--|---------------------|-------------------------|-------------------|--|--|---------------------|-------------------------|-------------------|
| Asian or Pacific Islander, male, 5–9 years   |  |                     |                         |                   | Asian or Pacific Islander, male, 20–24 years |  |                     |                         |                   |
| ...  | All causes . . . . .   | 67                  | 100.0                   | 14.7              | ...  | All causes . . . . .   | 315                 | 100.0                   | 59.9              |
| 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 29                  | 43.3                    | 6.3               | 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 121                 | 38.4                    | 23.0              |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 15                  | 22.4                    | *                 | 2  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 52                  | 16.5                    | 9.9               |
| 3  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 2                   | 3.0                     | *                 | 3  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 44                  | 14.0                    | 8.4               |
| 3  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 2                   | 3.0                     | *                 | 4  | Malignant neoplasms . . . . . (C00–C97)  | 29                  | 9.2                     | 5.5               |
| 5  | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 1                   | 1.5                     | *                 | 5  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 15                  | 4.8                     | *                 |
| 5  | Anemias . . . . . (D50–D64)  | 1                   | 1.5                     | *                 | 6  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 5                   | 1.6                     | *                 |
| 5  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1                   | 1.5                     | *                 | 7  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 3                   | 1.0                     | *                 |
| 5  | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 1                   | 1.5                     | *                 | 8  | Septicemia . . . . . (A40–A41)   | 2                   | 0.6                     | *                 |
| ...  | All other causes (residual) . . . . .  | 15                  | 22.4                    | *                 | 8  | Cerebrovascular diseases . . . . . (I60–I69)   | 2                   | 0.6                     | *                 |
| Asian or Pacific Islander, male, 10–14 years |  |                     |                         |                   | Asian or Pacific Islander, male, 25–34 years |  |                     |                         |                   |
| ...  | All causes . . . . .   | 69                  | 100.0                   | 14.7              | ...  | All causes . . . . .   | 630                 | 100.0                   | 50.9              |
| 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 25                  | 36.2                    | 5.3               | 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 174                 | 27.6                    | 14.1              |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 13                  | 18.8                    | *                 | 2  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 111                 | 17.6                    | 9.0               |
| 3  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 8                   | 11.6                    | *                 | 3  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 78                  | 12.4                    | 6.3               |
| 4  | Influenza and pneumonia . . . . . (J10–J18)  | 3                   | 4.3                     | *                 | 4  | Malignant neoplasms . . . . . (C00–C97)  | 73                  | 11.6                    | 5.9               |
| 4  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 3                   | 4.3                     | *                 | 5  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 53                  | 8.4                     | 4.3               |
| 4  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 3                   | 4.3                     | *                 | 6  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 14                  | 2.2                     | *                 |
| 7  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 2                   | 2.9                     | *                 | 7  | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 9                   | 1.4                     | *                 |
| 8  | Diabetes mellitus . . . . . (E10–E14)  | 1                   | 1.4                     | *                 | 8  | Septicemia . . . . . (A40–A41)   | 7                   | 1.1                     | *                 |
| 8  | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 1                   | 1.4                     | *                 | 8  | Cerebrovascular diseases . . . . . (I60–I69)   | 7                   | 1.1                     | *                 |
| ...  | All other causes (residual) . . . . .  | 10                  | 14.5                    | *                 | 10   | Viral hepatitis . . . . . (B15–B19)  | 4                   | 0.6                     | *                 |
| Asian or Pacific Islander, male, 15–19 years |  |                     |                         |                   | Asian or Pacific Islander, male, 35–44 years |  |                     |                         |                   |
| ...  | All causes . . . . .   | 221                 | 100.0                   | 47.2              | ...  | All causes . . . . .   | 315                 | 100.0                   | 59.9              |
| 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 101                 | 45.7                    | 21.6              | 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 121                 | 38.4                    | 23.0              |
| 2  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 40                  | 18.1                    | 8.5               | 2  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 52                  | 16.5                    | 9.9               |
| 3  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 34                  | 15.4                    | 7.3               | 3  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 44                  | 14.0                    | 8.4               |
| 4  | Malignant neoplasms . . . . . (C00–C97)  | 12                  | 5.4                     | *                 | 4  | Malignant neoplasms . . . . . (C00–C97)  | 29                  | 9.2                     | 5.5               |
| 5  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 5                   | 2.3                     | *                 | 5  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 15                  | 4.8                     | *                 |
| 5  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 5                   | 2.3                     | *                 | 6  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 5                   | 1.6                     | *                 |
| 7  | Legal intervention . . . . . (Y35,Y89.0)   | 3                   | 1.4                     | *                 | 7  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 3                   | 1.0                     | *                 |
| 8  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 2                   | 0.9                     | *                 | 8  | Septicemia . . . . . (A40–A41)   | 2                   | 0.6                     | *                 |
| 9  | Meningococcal infection . . . . . (A39)  | 1                   | 0.5                     | *                 | 8  | Cerebrovascular diseases . . . . . (I60–I69)   | 2                   | 0.6                     | *                 |
| 9  | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 1                   | 0.5                     | *                 | 8  | Aortic aneurysm and dissection . . . . . (I71)   | 2                   | 0.6                     | *                 |
| 9  | Cerebrovascular diseases . . . . . (I60–I69)   | 1                   | 0.5                     | *                 | 8  | Complications of medical and surgical care . . . . . (Y40–Y84,Y88)   | 2                   | 0.6                     | *                 |
| ...  | All other causes (residual) . . . . .  | 16                  | 7.2                     | *                 | ...  | All other causes (residual) . . . . .  | 38                  | 12.1                    | 7.2               |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                            | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                                  | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--|--|---------------------|-------------------------|-------------------|--|--|---------------------|-------------------------|-------------------|
| Asian or Pacific Islander, male, 35–44 years |  |                     |                         |                   | Asian or Pacific Islander, male, 65 years and over |  |                     |                         |                   |
| ...  | All causes . . . . .   | 1,015               | 100.0                   | 91.3              | ...  | All causes . . . . .   | 13,463              | 100.0                   | 2,819.0           |
| 1  | Malignant neoplasms . . . . . (C00–C97)  | 263                 | 25.9                    | 23.6              | 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 3,889               | 28.9                    | 814.3             |
| 2  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 171                 | 16.8                    | 15.4              | 2  | Malignant neoplasms . . . . . (C00–C97)  | 3,553               | 26.4                    | 744.0             |
| 3  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 158                 | 15.6                    | 14.2              | 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 1,193               | 8.9                     | 249.8             |
| 4  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 86                  | 8.5                     | 7.7               | 4  | Chronic lower respiratory diseases . . (J40–J47)   | 663                 | 4.9                     | 138.8             |
| 5  | Cerebrovascular diseases . . . . . (I60–I69)   | 47                  | 4.6                     | 4.2               | 5  | Influenza and pneumonia . . . . . (J10–J18)  | 525                 | 3.9                     | 109.9             |
| 6  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 34                  | 3.3                     | 3.1               | 6  | Diabetes mellitus . . . . . (E10–E14)  | 496                 | 3.7                     | 103.9             |
| 7  | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 32                  | 3.2                     | 2.9               | 7  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 285                 | 2.1                     | 59.7              |
| 8  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 28                  | 2.8                     | 2.5               | 8  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 277                 | 2.1                     | 58.0              |
| 9  | Viral hepatitis . . . . . (B15–B19)  | 13                  | 1.3                     | *                 | 9  | Alzheimer's disease . . . . . (G30)  | 186                 | 1.4                     | 38.9              |
| 10   | Diabetes mellitus . . . . . (E10–E14)  | 11                  | 1.1                     | *                 | 10   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 172                 | 1.3                     | 36.0              |
| ...  | All other causes (residual) . . . . .  | 172                 | 16.9                    | 15.5              | ...  | All other causes (residual) . . . . .  | 2,224               | 16.5                    | 465.7             |
| Asian or Pacific Islander, male, 45–54 years |  |                     |                         |                   | Asian or Pacific Islander, male, 65–74 years       |  |                     |                         |                   |
| ...  | All causes . . . . .   | 2,096               | 100.0                   | 241.9             | ...  | All causes . . . . .   | 3,988               | 100.0                   | 1,363.4           |
| 1  | Malignant neoplasms . . . . . (C00–C97)  | 669                 | 31.9                    | 77.2              | 1  | Malignant neoplasms . . . . . (C00–C97)  | 1,453               | 36.4                    | 496.8             |
| 2  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 490                 | 23.4                    | 56.6              | 2  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1,017               | 25.5                    | 347.7             |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 166                 | 7.9                     | 19.2              | 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 300                 | 7.5                     | 102.6             |
| 4  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 139                 | 6.6                     | 16.0              | 4  | Diabetes mellitus . . . . . (E10–E14)  | 176                 | 4.4                     | 60.2              |
| 5  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 101                 | 4.8                     | 11.7              | 5  | Chronic lower respiratory diseases . . (J40–J47)   | 137                 | 3.4                     | 46.8              |
| 6  | Diabetes mellitus . . . . . (E10–E14)  | 60                  | 2.9                     | 6.9               | 6  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 87                  | 2.2                     | 29.7              |
| 7  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 55                  | 2.6                     | 6.3               | 7  | Influenza and pneumonia . . . . . (J10–J18)  | 79                  | 2.0                     | 27.0              |
| 8  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 43                  | 2.1                     | 5.0               | 8  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 77                  | 1.9                     | 26.3              |
| 9  | Viral hepatitis . . . . . (B15–B19)  | 28                  | 1.3                     | 3.2               | 9  | Septicemia . . . . . (A40–A41)   | 50                  | 1.3                     | 17.1              |
| 10   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 26                  | 1.2                     | 3.0               | 10   | Aortic aneurysm and dissection . . . . . (I71)   | 43                  | 1.1                     | 14.7              |
| ...  | All other causes (residual) . . . . .  | 319                 | 15.2                    | 36.8              | ...  | All other causes (residual) . . . . .  | 569                 | 14.3                    | 194.5             |
| Asian or Pacific Islander, male, 55–64 years |  |                     |                         |                   | Asian or Pacific Islander, male, 75–84 years       |  |                     |                         |                   |
| ...  | All causes . . . . .   | 2,893               | 100.0                   | 545.3             | ...  | All causes . . . . .   | 5,486               | 100.0                   | 3,766.3           |
| 1  | Malignant neoplasms . . . . . (C00–C97)  | 1,054               | 36.4                    | 198.7             | 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1,525               | 27.8                    | 1,047.0           |
| 2  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 737                 | 25.5                    | 138.9             | 2  | Malignant neoplasms . . . . . (C00–C97)  | 1,488               | 27.1                    | 1,021.6           |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 195                 | 6.7                     | 36.8              | 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 511                 | 9.3                     | 350.8             |
| 4  | Diabetes mellitus . . . . . (E10–E14)  | 135                 | 4.7                     | 25.4              | 4  | Chronic lower respiratory diseases . . (J40–J47)   | 291                 | 5.3                     | 199.8             |
| 5  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 118                 | 4.1                     | 22.2              | 5  | Diabetes mellitus . . . . . (E10–E14)  | 205                 | 3.7                     | 140.7             |
| 6  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 54                  | 1.9                     | 10.2              | 6  | Influenza and pneumonia . . . . . (J10–J18)  | 200                 | 3.6                     | 137.3             |
| 7  | Chronic lower respiratory diseases . . (J40–J47)   | 51                  | 1.8                     | 9.6               | 7  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 120                 | 2.2                     | 82.4              |
| 8  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 48                  | 1.7                     | 9.0               | 8  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 106                 | 1.9                     | 72.8              |
| 9  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 46                  | 1.6                     | 8.7               | 9  | Parkinson's disease . . . . . (G20–G21)  | 75                  | 1.4                     | 51.5              |
| 10   | Septicemia . . . . . (A40–A41)   | 41                  | 1.4                     | 7.7               | 10   | Septicemia . . . . . (A40–A41)   | 73                  | 1.3                     | 50.1              |
| ...  | All other causes (residual) . . . . .  | 414                 | 14.3                    | 78.0              | ...  | All other causes (residual) . . . . .  | 892                 | 16.3                    | 612.4             |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>  | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--|--|---------------------|-------------------------|-------------------|--|--|---------------------|-------------------------|-------------------|
| Asian or Pacific Islander, male, 85 years and over       |  |                     |                         |                   | Asian or Pacific Islander, female, 5–9 years   |  |                     |                         |                   |
| ...  | All causes . . . . .   | 3,989               | 100.0                   | 10,118.2          | ...  | All causes . . . . .   | 40                  | 100.0                   | 8.8               |
| 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1,347               | 33.8                    | 3,416.7           | 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 14                  | 35.0                    | *                 |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 612                 | 15.3                    | 1,552.4           | 2  | Malignant neoplasms . . . . . (C00–C97)  | 10                  | 25.0                    | *                 |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 382                 | 9.6                     | 969.0             | 3  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 3                   | 7.5                     | *                 |
| 4  | Influenza and pneumonia . . . . . (J10–J18)  | 246                 | 6.2                     | 624.0             | 4  | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 2                   | 5.0                     | *                 |
| 5  | Chronic lower respiratory diseases . . . (J40–J47)   | 235                 | 5.9                     | 596.1             | 5  | Anemias . . . . . (D50–D64)  | 1                   | 2.5                     | *                 |
| 6  | Diabetes mellitus . . . . . (E10–E14)  | 115                 | 2.9                     | 291.7             | 5  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1                   | 2.5                     | *                 |
| 7  | Alzheimer's disease . . . . . (G30)  | 108                 | 2.7                     | 273.9             | 5  | Influenza and pneumonia . . . . . (J10–J18)  | 1                   | 2.5                     | *                 |
| 8  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 88                  | 2.2                     | 223.2             | 5  | Diseases of appendix . . . . . (K35–K38)   | 1                   | 2.5                     | *                 |
| 9  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 84                  | 2.1                     | 213.1             | ...  | All other causes (residual) . . . . .  | 7                   | 17.5                    | *                 |
| 10   | Pneumonitis due to solids and liquids . . . (J69)  | 75                  | 1.9                     | 190.2             | Asian or Pacific Islander, female, 10–14 years |  |                     |                         |                   |
| ...  | All other causes (residual) . . . . .  | 697                 | 17.5                    | 1,768.0           | ...  | All causes . . . . .   | 47                  | 100.0                   | 10.6              |
| Asian or Pacific Islander, female, all ages <sup>3</sup> |  |                     |                         |                   | 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 14                  | 29.8                    | *                 |
| ...  | All causes . . . . .   | 19,235              | 100.0                   | 274.6             | 2  | Malignant neoplasms . . . . . (C00–C97)  | 10                  | 21.3                    | *                 |
| 1  | Malignant neoplasms . . . . . (C00–C97)  | 5,167               | 26.9                    | 73.8              | 3  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 3                   | 6.4                     | *                 |
| 2  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 4,560               | 23.7                    | 65.1              | 4  | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 2                   | 4.3                     | *                 |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 1,893               | 9.8                     | 27.0              | 4  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 2                   | 4.3                     | *                 |
| 4  | Diabetes mellitus . . . . . (E10–E14)  | 763                 | 4.0                     | 10.9              | 6  | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 1                   | 2.1                     | *                 |
| 5  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 762                 | 4.0                     | 10.9              | 6  | Diabetes mellitus . . . . . (E10–E14)  | 1                   | 2.1                     | *                 |
| 6  | Influenza and pneumonia . . . . . (J10–J18)  | 647                 | 3.4                     | 9.2               | 6  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1                   | 2.1                     | *                 |
| 7  | Chronic lower respiratory diseases . . . (J40–J47)   | 444                 | 2.3                     | 6.3               | 6  | Cerebrovascular diseases . . . . . (I60–I69)   | 1                   | 2.1                     | *                 |
| 8  | Alzheimer's disease . . . . . (G30)  | 344                 | 1.8                     | 4.9               | 6  | Chronic lower respiratory diseases . . . (J40–J47)   | 1                   | 2.1                     | *                 |
| 9  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 336                 | 1.7                     | 4.8               | ...  | All other causes (residual) . . . . .  | 11                  | 23.4                    | *                 |
| 10   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 312                 | 1.6                     | 4.5               | Asian or Pacific Islander, female, 15–19 years |  |                     |                         |                   |
| ...  | All other causes (residual) . . . . .  | 4,007               | 20.8                    | 57.2              | ...  | All causes . . . . .   | 95                  | 100.0                   | 21.5              |
| Asian or Pacific Islander, female, 1–4 years             |  |                     |                         |                   | 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 40                  | 42.1                    | 9.1               |
| ...  | All causes . . . . .   | 81                  | 100.0                   | 22.0              | 2  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 11                  | 11.6                    | *                 |
| 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 17                  | 21.0                    | *                 | 3  | Malignant neoplasms . . . . . (C00–C97)  | 6                   | 6.3                     | *                 |
| 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 13                  | 16.0                    | *                 | 4  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 5                   | 5.3                     | *                 |
| 3  | Malignant neoplasms . . . . . (C00–C97)  | 8                   | 9.9                     | *                 | 4  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 5                   | 5.3                     | *                 |
| 4  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 6                   | 7.4                     | *                 | 6  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 3                   | 3.2                     | *                 |
| 5  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 3                   | 3.7                     | *                 | 7  | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 2                   | 2.1                     | *                 |
| 6  | Septicemia . . . . . (A40–A41)   | 2                   | 2.5                     | *                 | 8  | Septicemia . . . . . (A40–A41)   | 1                   | 1.1                     | *                 |
| 6  | Chronic lower respiratory diseases . . . (J40–J47)   | 2                   | 2.5                     | *                 | 8  | Viral hepatitis . . . . . (B15–B19)  | 1                   | 1.1                     | *                 |
| 8  | Anemias . . . . . (D50–D64)  | 1                   | 1.2                     | *                 | 8  | Nutritional deficiencies . . . . . (E40–E64)   | 1                   | 1.1                     | *                 |
| 8  | Cerebrovascular diseases . . . . . (I60–I69)   | 1                   | 1.2                     | *                 | 8  | Chronic lower respiratory diseases . . . (J40–J47)   | 1                   | 1.1                     | *                 |
| 8  | Influenza and pneumonia . . . . . (J10–J18)  | 1                   | 1.2                     | *                 | 8  | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 1                   | 1.1                     | *                 |
| 8  | Peptic ulcer . . . . . (K25–K28)   | 1                   | 1.2                     | *                 | ...  | All other causes (residual) . . . . .  | 18                  | 18.9                    | *                 |
| 8  | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 1                   | 1.2                     | *                 |  |  |                     |                         |                   |
| ...  | All other causes (residual) . . . . .  | 25                  | 30.9                    | 6.8               |  |  |                     |                         |                   |

See footnotes at end of table.



**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                                    | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--|--|---------------------|-------------------------|-------------------|--|--|---------------------|-------------------------|-------------------|
| Asian or Pacific Islander, female, 20–24 years |  |                     |                         |                   | Asian or Pacific Islander, female, 45–54 years       |  |                     |                         |                   |
| ...  | All causes . . . . .   | 135                 | 100.0                   | 26.3              | ...  | All causes . . . . .   | 1,433               | 100.0                   | 145.8             |
| 1  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 57                  | 42.2                    | 11.1              | 1  | Malignant neoplasms . . . . . (C00–C97)  | 757                 | 52.8                    | 77.0              |
| 2  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 16                  | 11.9                    | *                 | 2  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 135                 | 9.4                     | 13.7              |
| 3  | Malignant neoplasms . . . . . (C00–C97)  | 12                  | 8.9                     | *                 | 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 103                 | 7.2                     | 10.5              |
| 4  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 8                   | 5.9                     | *                 | 4  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 84                  | 5.9                     | 8.5               |
| 5  | Cerebrovascular diseases . . . . . (I60–I69)   | 6                   | 4.4                     | *                 | 5  | Diabetes mellitus . . . . . (E10–E14)  | 44                  | 3.1                     | 4.5               |
| 5  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 6                   | 4.4                     | *                 | 6  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 43                  | 3.0                     | 4.4               |
| 7  | Pregnancy, childbirth and the puerperium . . . . . (O00–O99)   | 4                   | 3.0                     | *                 | 7  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 21                  | 1.5                     | 2.1               |
| 8  | Septicemia . . . . . (A40–A41)   | 2                   | 1.5                     | *                 | 8  | Septicemia . . . . . (A40–A41)   | 19                  | 1.3                     | *                 |
| 8  | Aortic aneurysm and dissection . . . . . (I71)   | 2                   | 1.5                     | *                 | 9  | Influenza and pneumonia . . . . . (J10–J18)  | 16                  | 1.1                     | *                 |
| 8  | Influenza and pneumonia . . . . . (J10–J18)  | 2                   | 1.5                     | *                 | 9  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 16                  | 1.1                     | *                 |
| 8  | Cholelithiasis and other disorders of gallbladder . . . . . (K80–K82)  | 2                   | 1.5                     | *                 | ...  | All other causes (residual) . . . . .  | 195                 | 13.6                    | 19.8              |
| ...  | All other causes (residual) . . . . .  | 18                  | 13.3                    | *                 | Asian or Pacific Islander, female, 55–64 years       |  |                     |                         |                   |
| Asian or Pacific Islander, female, 25–34 years |  |                     |                         |                   | ...  | All causes . . . . .   | 2,070               | 100.0                   | 339.9             |
| ...  | All causes . . . . .   | 343                 | 100.0                   | 26.8              | 1  | Malignant neoplasms . . . . . (C00–C97)  | 969                 | 46.8                    | 159.1             |
| 1  | Malignant neoplasms . . . . . (C00–C97)  | 85                  | 24.8                    | 6.6               | 2  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 309                 | 14.9                    | 50.7              |
| 2  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 69                  | 20.1                    | 5.4               | 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 171                 | 8.3                     | 28.1              |
| 3  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 52                  | 15.2                    | 4.1               | 4  | Diabetes mellitus . . . . . (E10–E14)  | 88                  | 4.3                     | 14.5              |
| 4  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 23                  | 6.7                     | 1.8               | 5  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 70                  | 3.4                     | 11.5              |
| 5  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 17                  | 5.0                     | *                 | 6  | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 35                  | 1.7                     | 5.7               |
| 6  | Cerebrovascular diseases . . . . . (I60–I69)   | 9                   | 2.6                     | *                 | 7  | Septicemia . . . . . (A40–A41)   | 28                  | 1.4                     | 4.6               |
| 6  | Pregnancy, childbirth and the puerperium . . . . . (O00–O99)   | 9                   | 2.6                     | *                 | 7  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 28                  | 1.4                     | 4.6               |
| 8  | Diabetes mellitus . . . . . (E10–E14)  | 5                   | 1.5                     | *                 | 9  | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 26                  | 1.3                     | 4.3               |
| 9  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 4                   | 1.2                     | *                 | 9  | Influenza and pneumonia . . . . . (J10–J18)  | 26                  | 1.3                     | 4.3               |
| 10   | Viral hepatitis . . . . . (B15–B19)  | 3                   | 0.9                     | *                 | ...  | All other causes (residual) . . . . .  | 320                 | 15.5                    | 52.6              |
| 10   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 3                   | 0.9                     | *                 | Asian or Pacific Islander, female, 65 years and over |  |                     |                         |                   |
| ...  | All other causes (residual) . . . . .  | 64                  | 18.7                    | 5.0               | ...  | All causes . . . . .   | 13,976              | 100.0                   | 2,191.6           |
| Asian or Pacific Islander, female, 35–44 years |  |                     |                         |                   | 1  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 4,020               | 28.8                    | 630.4             |
| ...  | All causes . . . . .   | 639                 | 100.0                   | 54.2              | 2  | Malignant neoplasms . . . . . (C00–C97)  | 3,024               | 21.6                    | 474.2             |
| 1  | Malignant neoplasms . . . . . (C00–C97)  | 286                 | 44.8                    | 24.2              | 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 1,568               | 11.2                    | 245.9             |
| 2  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 78                  | 12.2                    | 6.6               | 4  | Diabetes mellitus . . . . . (E10–E14)  | 614                 | 4.4                     | 96.3              |
| 3  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 50                  | 7.8                     | 4.2               | 5  | Influenza and pneumonia . . . . . (J10–J18)  | 593                 | 4.2                     | 93.0              |
| 4  | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 49                  | 7.7                     | 4.2               | 6  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 395                 | 2.8                     | 61.9              |
| 5  | Cerebrovascular diseases . . . . . (I60–I69)   | 30                  | 4.7                     | 2.5               | 7  | Alzheimer's disease . . . . . (G30)  | 340                 | 2.4                     | 53.3              |
| 6  | Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)   | 15                  | 2.3                     | *                 | 8  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 311                 | 2.2                     | 48.8              |
| 7  | Diabetes mellitus . . . . . (E10–E14)  | 11                  | 1.7                     | *                 | 9  | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 285                 | 2.0                     | 44.7              |
| 8  | Pregnancy, childbirth and the puerperium . . . . . (O00–O99)   | 10                  | 1.6                     | *                 | 10   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 275                 | 2.0                     | 43.1              |
| 9  | Septicemia . . . . . (A40–A41)   | 9                   | 1.4                     | *                 | ...  | All other causes (residual) . . . . .  | 2,551               | 18.3                    | 400.0             |
| 10   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 6                   | 0.9                     | *                 |  |  |                     |                         |                   |
| ...  | All other causes (residual) . . . . .  | 95                  | 14.9                    | 8.1               |  |  |                     |                         |                   |

See footnotes at end of table.

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Data for races other than white and black should be interpreted with caution because of misreporting of race on death certificates; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                                    | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--|--|---------------------|-------------------------|-------------------|--|--|---------------------|-------------------------|-------------------|
| Asian or Pacific Islander, female, 65–74 years |  |                     |                         |                   | Asian or Pacific Islander, female, 85 years and over |  |                     |                         |                   |
| ...  | All causes . . . . .   | 3,405               | 100.0                   | 933.2             | ...  | All causes . . . . .   | 5,241               | 100.0                   | 8,125.8           |
| 1  | Malignant neoplasms . . . . . (C00–C97)  | 1,256               | 36.9                    | 344.2             | 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1,817               | 34.7                    | 2,817.1           |
| 2  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 750                 | 22.0                    | 205.6             | 2  | Cerebrovascular diseases . . . . . (I60–I69)   | 632                 | 12.1                    | 979.9             |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 285                 | 8.4                     | 78.1              | 3  | Malignant neoplasms . . . . . (C00–C97)  | 563                 | 10.7                    | 872.9             |
| 4  | Diabetes mellitus . . . . . (E10–E14)  | 157                 | 4.6                     | 43.0              | 4  | Influenza and pneumonia . . . . . (J10–J18)  | 324                 | 6.2                     | 502.3             |
| 5  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 99                  | 2.9                     | 27.1              | 5  | Alzheimer's disease . . . . . (G30)  | 199                 | 3.8                     | 308.5             |
| 6  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 75                  | 2.2                     | 20.6              | 6  | Diabetes mellitus . . . . . (E10–E14)  | 188                 | 3.6                     | 291.5             |
| 7  | Chronic lower respiratory diseases . . (J40–J47)   | 74                  | 2.2                     | 20.3              | 7  | Chronic lower respiratory diseases . . (J40–J47)   | 163                 | 3.1                     | 252.7             |
| 8  | Influenza and pneumonia . . . . . (J10–J18)  | 72                  | 2.1                     | 19.7              | 8  | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 136                 | 2.6                     | 210.9             |
| 9  | Septicemia . . . . . (A40–A41)   | 48                  | 1.4                     | 13.2              | 9  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 87                  | 1.7                     | 134.9             |
| 10   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 45                  | 1.3                     | 12.3              | 10   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 86                  | 1.6                     | 133.3             |
| ...  | All other causes (residual) . . . . .  | 544                 | 16.0                    | 149.1             | ...  | All other causes (residual) . . . . .  | 1,046               | 20.0                    | 1,621.8           |
| Asian or Pacific Islander, female, 75–84 years |  |                     |                         |                   |  |  |                     |                         |                   |
| ...  | All causes . . . . .   | 5,330               | 100.0                   | 2,558.2           |  |  |                     |                         |                   |
| 1  | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1,453               | 27.3                    | 697.4             |  |  |                     |                         |                   |
| 2  | Malignant neoplasms . . . . . (C00–C97)  | 1,205               | 22.6                    | 578.4             |  |  |                     |                         |                   |
| 3  | Cerebrovascular diseases . . . . . (I60–I69)   | 651                 | 12.2                    | 312.5             |  |  |                     |                         |                   |
| 4  | Diabetes mellitus . . . . . (E10–E14)  | 269                 | 5.0                     | 129.1             |  |  |                     |                         |                   |
| 5  | Influenza and pneumonia . . . . . (J10–J18)  | 197                 | 3.7                     | 94.6              |  |  |                     |                         |                   |
| 6  | Chronic lower respiratory diseases . . (J40–J47)   | 158                 | 3.0                     | 75.8              |  |  |                     |                         |                   |
| 7  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 126                 | 2.4                     | 60.5              |  |  |                     |                         |                   |
| 8  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 123                 | 2.3                     | 59.0              |  |  |                     |                         |                   |
| 9  | Alzheimer's disease . . . . . (G30)  | 122                 | 2.3                     | 58.6              |  |  |                     |                         |                   |
| 10   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 94                  | 1.8                     | 45.1              |  |  |                     |                         |                   |
| ...  | All other causes (residual) . . . . .  | 932                 | 17.5                    | 447.3             |  |  |                     |                         |                   |

... Category not applicable.

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

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

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

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

**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                 | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|-----------------------------------|--|---------------------|-------------------------|-------------------|
| Hispanic, both sexes, all ages <sup>3</sup> |  |                     |                         |                   | Hispanic, both sexes, 5–9 years   |  |                     |                         |                   |
| ...   | All causes . . . . .   | 122,416             | 100.0                   | 296.2             | ...                               | All causes . . . . .   | 487                 | 100.0                   | 12.6              |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 27,788              | 22.7                    | 67.2              | 1                                 | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 178                 | 36.6                    | 4.6               |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 24,522              | 20.0                    | 59.3              | 2                                 | Malignant neoplasms . . . . . (C00–C97)  | 99                  | 20.3                    | 2.6               |
| 3   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 10,408              | 8.5                     | 25.2              | 3                                 | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 36                  | 7.4                     | 0.9               |
| 4   | Cerebrovascular diseases . . . . . (I60–I69)   | 6,781               | 5.5                     | 16.4              | 4                                 | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 27                  | 5.5                     | 0.7               |
| 5   | Diabetes mellitus . . . . . (E10–E14)  | 5,999               | 4.9                     | 14.5              | 5                                 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 16                  | 3.3                     | *                 |
| 6   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 3,383               | 2.8                     | 8.2               | 6                                 | Septicemia . . . . . (A40–A41)   | 8                   | 1.6                     | *                 |
| 7   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 3,271               | 2.7                     | 7.9               | 7                                 | Chronic lower respiratory diseases . . . . . (J40–J47)   | 6                   | 1.2                     | *                 |
| 8   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 3,107               | 2.5                     | 7.5               | 8                                 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 5                   | 1.0                     | *                 |
| 9   | Influenza and pneumonia . . . . . (J10–J18)  | 2,912               | 2.4                     | 7.0               | 8                                 | Influenza and pneumonia . . . . . (J10–J18)  | 5                   | 1.0                     | *                 |
| 10  | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 2,681               | 2.2                     | 6.5               | 8                                 | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 5                   | 1.0                     | *                 |
| ...   | All other causes (residual) . . . . .  | 31,564              | 25.8                    | 76.4              | ...                               | All other causes (residual) . . . . .  | 102                 | 20.9                    | 2.6               |
| Hispanic, both sexes, 1–4 years             |  |                     |                         |                   | Hispanic, both sexes, 10–14 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 947                 | 100.0                   | 27.3              | ...                               | All causes . . . . .   | 618                 | 100.0                   | 16.3              |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 313                 | 33.1                    | 9.0               | 1                                 | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 213                 | 34.5                    | 5.6               |
| 2   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 138                 | 14.6                    | 4.0               | 2                                 | Malignant neoplasms . . . . . (C00–C97)  | 112                 | 18.1                    | 3.0               |
| 3   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 80                  | 8.4                     | 2.3               | 3                                 | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 40                  | 6.5                     | 1.1               |
| 4   | Malignant neoplasms . . . . . (C00–C97)  | 70                  | 7.4                     | 2.0               | 4                                 | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 39                  | 6.3                     | 1.0               |
| 5   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 39                  | 4.1                     | 1.1               | 5                                 | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 34                  | 5.5                     | 0.9               |
| 6   | Septicemia . . . . . (A40–A41)   | 24                  | 2.5                     | 0.7               | 6                                 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 18                  | 2.9                     | *                 |
| 6   | Influenza and pneumonia . . . . . (J10–J18)  | 24                  | 2.5                     | 0.7               | 7                                 | Influenza and pneumonia . . . . . (J10–J18)  | 8                   | 1.3                     | *                 |
| 8   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 11                  | 1.2                     | *                 | 8                                 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 7                   | 1.1                     | *                 |
| 9   | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 10                  | 1.1                     | *                 | 9                                 | Cerebrovascular diseases . . . . . (I60–I69)   | 6                   | 1.0                     | *                 |
| 10  | Meningococcal infection . . . . . (A39)  | 5                   | 0.5                     | *                 | 9                                 | Chronic lower respiratory diseases . . . . . (J40–J47)   | 6                   | 1.0                     | *                 |
| 10  | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 5                   | 0.5                     | *                 | ...                               | All other causes (residual) . . . . .  | 135                 | 21.8                    | 3.6               |
| 10  | Anemias . . . . . (D50–D64)  | 5                   | 0.5                     | *                 | Hispanic, both sexes, 15–19 years |  |                     |                         |                   |
| 10  | Acute bronchitis and bronchiolitis . . (J20–J21)   | 5                   | 0.5                     | *                 | ...                               | All causes . . . . .   | 2,141               | 100.0                   | 64.2              |
| 10  | Complications of medical and surgical care . . . . . (Y40–Y84,Y88)   | 5                   | 0.5                     | *                 | 1                                 | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 956                 | 44.7                    | 28.7              |
| ...   | All other causes (residual) . . . . .  | 213                 | 22.5                    | 6.2               | 2                                 | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 492                 | 23.0                    | 14.8              |
| See footnotes at end of table.              |  |                     |                         |                   | 3                                 | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 214                 | 10.0                    | 6.4               |
|   |  |                     |                         |                   | 4                                 | Malignant neoplasms . . . . . (C00–C97)  | 137                 | 6.4                     | 4.1               |
|   |  |                     |                         |                   | 5                                 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 43                  | 2.0                     | 1.3               |
|   |  |                     |                         |                   | 6                                 | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 29                  | 1.4                     | 0.9               |
|   |  |                     |                         |                   | 7                                 | Cerebrovascular diseases . . . . . (I60–I69)   | 11                  | 0.5                     | *                 |
|   |  |                     |                         |                   | 7                                 | Influenza and pneumonia . . . . . (J10–J18)  | 11                  | 0.5                     | *                 |
|   |  |                     |                         |                   | 7                                 | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 11                  | 0.5                     | *                 |
|   |  |                     |                         |                   | 10                                | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 8                   | 0.4                     | *                 |
|   |  |                     |                         |                   | 10                                | Legal intervention . . . . . (Y35,Y89.0)   | 8                   | 0.4                     | *                 |
|   |  |                     |                         |                   | ...                               | All other causes (residual) . . . . .  | 221                 | 10.3                    | 6.6               |

**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                 | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                       | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|-----------------------------------|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Hispanic, both sexes, 20–24 years |  |                     |                         |                   | Hispanic, both sexes, 45–54 years       |  |                     |                         |                   |
| ...                               | All causes . . . . .   | 3,287               | 100.0                   | 87.3              | ...                                     | All causes . . . . .   | 12,628              | 100.0                   | 313.5             |
| 1                                 | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,416               | 43.1                    | 37.6              | 1                                       | Malignant neoplasms . . . . . (C00–C97)  | 3,040               | 24.1                    | 75.5              |
| 2                                 | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 743                 | 22.6                    | 19.7              | 2                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 2,110               | 16.7                    | 52.4              |
| 3                                 | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 357                 | 10.9                    | 9.5               | 3                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,249               | 9.9                     | 31.0              |
| 4                                 | Malignant neoplasms . . . . . (C00–C97)  | 168                 | 5.1                     | 4.5               | 4                                       | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 998                 | 7.9                     | 24.8              |
| 5                                 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 86                  | 2.6                     | 2.3               | 5                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 590                 | 4.7                     | 14.6              |
| 6                                 | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 32                  | 1.0                     | 0.8               | 6                                       | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 569                 | 4.5                     | 14.1              |
| 7                                 | Cerebrovascular diseases . . . . . (I60–I69)   | 25                  | 0.8                     | 0.7               | 7                                       | Diabetes mellitus . . . . . (E10–E14)  | 535                 | 4.2                     | 13.3              |
| 8                                 | Legal intervention . . . . . (Y35,Y89.0)   | 22                  | 0.7                     | 0.6               | 8                                       | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 304                 | 2.4                     | 7.5               |
| 9                                 | Influenza and pneumonia . . . . . (J10–J18)  | 21                  | 0.6                     | 0.6               | 9                                       | Viral hepatitis . . . . . (B15–B19)  | 275                 | 2.2                     | 6.8               |
| 10                                | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 19                  | 0.6                     | *                 | 10                                      | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 238                 | 1.9                     | 5.9               |
| ...                               | All other causes (residual) . . . . .  | 398                 | 12.1                    | 10.6              | ...                                     | All other causes (residual) . . . . .  | 2,720               | 21.5                    | 67.5              |
| Hispanic, both sexes, 25–34 years |  |                     |                         |                   | Hispanic, both sexes, 55–64 years       |  |                     |                         |                   |
| ...                               | All causes . . . . .   | 5,959               | 100.0                   | 78.2              | ...                                     | All causes . . . . .   | 15,198              | 100.0                   | 684.0             |
| 1                                 | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 2,086               | 35.0                    | 27.4              | 1                                       | Malignant neoplasms . . . . . (C00–C97)  | 4,659               | 30.7                    | 209.7             |
| 2                                 | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 962                 | 16.1                    | 12.6              | 2                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 3,460               | 22.8                    | 155.7             |
| 3                                 | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 545                 | 9.1                     | 7.2               | 3                                       | Diabetes mellitus . . . . . (E10–E14)  | 1,073               | 7.1                     | 48.3              |
| 4                                 | Malignant neoplasms . . . . . (C00–C97)  | 526                 | 8.8                     | 6.9               | 4                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 776                 | 5.1                     | 34.9              |
| 5                                 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 302                 | 5.1                     | 4.0               | 5                                       | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 769                 | 5.1                     | 34.6              |
| 6                                 | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 211                 | 3.5                     | 2.8               | 6                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 678                 | 4.5                     | 30.5              |
| 7                                 | Cerebrovascular diseases . . . . . (I60–I69)   | 93                  | 1.6                     | 1.2               | 7                                       | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 319                 | 2.1                     | 14.4              |
| 8                                 | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 73                  | 1.2                     | 1.0               | 8                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 272                 | 1.8                     | 12.2              |
| 9                                 | Diabetes mellitus . . . . . (E10–E14)  | 64                  | 1.1                     | 0.8               | 9                                       | Septicemia . . . . . (A40–A41)   | 216                 | 1.4                     | 9.7               |
| 10                                | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 53                  | 0.9                     | 0.7               | 10                                      | Influenza and pneumonia . . . . . (J10–J18)  | 214                 | 1.4                     | 9.6               |
| ...                               | All other causes (residual) . . . . .  | 1,044               | 17.5                    | 13.7              | ...                                     | All other causes (residual) . . . . .  | 2,762               | 18.2                    | 124.3             |
| Hispanic, both sexes, 35–44 years |  |                     |                         |                   | Hispanic, both sexes, 65 years and over |  |                     |                         |                   |
| ...                               | All causes . . . . .   | 8,546               | 100.0                   | 138.7             | ...                                     | All causes . . . . .   | 67,236              | 100.0                   | 3,105.6           |
| 1                                 | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,823               | 21.3                    | 29.6              | 1                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 20,696              | 30.8                    | 955.9             |
| 2                                 | Malignant neoplasms . . . . . (C00–C97)  | 1,345               | 15.7                    | 21.8              | 2                                       | Malignant neoplasms . . . . . (C00–C97)  | 14,344              | 21.3                    | 662.5             |
| 3                                 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 934                 | 10.9                    | 15.2              | 3                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 4,947               | 7.4                     | 228.5             |
| 4                                 | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 676                 | 7.9                     | 11.0              | 4                                       | Diabetes mellitus . . . . . (E10–E14)  | 4,125               | 6.1                     | 190.5             |
| 5                                 | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 477                 | 5.6                     | 7.7               | 5                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 2,566               | 3.8                     | 118.5             |
| 6                                 | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 468                 | 5.5                     | 7.6               | 6                                       | Influenza and pneumonia . . . . . (J10–J18)  | 2,293               | 3.4                     | 105.9             |
| 7                                 | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 421                 | 4.9                     | 6.8               | 7                                       | Alzheimer's disease . . . . . (G30)  | 1,866               | 2.8                     | 86.2              |
| 8                                 | Cerebrovascular diseases . . . . . (I60–I69)   | 304                 | 3.6                     | 4.9               | 8                                       | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 1,538               | 2.3                     | 71.0              |
| 9                                 | Diabetes mellitus . . . . . (E10–E14)  | 187                 | 2.2                     | 3.0               | 9                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,319               | 2.0                     | 60.9              |
| 10                                | Viral hepatitis . . . . . (B15–B19)  | 110                 | 1.3                     | 1.8               | 10                                      | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 1,068               | 1.6                     | 49.3              |
| ...                               | All other causes (residual) . . . . .  | 1,801               | 21.1                    | 29.2              | ...                                     | All other causes (residual) . . . . .  | 12,474              | 18.6                    | 576.2             |

See footnotes at end of table.

**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                       | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                     | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---------------------------------------|--|---------------------|-------------------------|-------------------|
| Hispanic, both sexes, 65–74 years       |  |                     |                         |                   | Hispanic, male, all ages <sup>3</sup> |  |                     |                         |                   |
| ...                                     | All causes . . . . .   | 20,420              | 100.0                   | 1,607.5           | ...                                   | All causes . . . . .   | 68,544              | 100.0                   | 321.1             |
| 1                                       | Malignant neoplasms . . . . . (C00–C97)  | 5,996               | 29.4                    | 472.0             | 1                                     | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 14,983              | 21.9                    | 70.2              |
| 2                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 5,389               | 26.4                    | 424.2             | 2                                     | Malignant neoplasms . . . . . (C00–C97)  | 13,002              | 19.0                    | 60.9              |
| 3                                       | Diabetes mellitus . . . . . (E10–E14)  | 1,587               | 7.8                     | 124.9             | 3                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 7,796               | 11.4                    | 36.5              |
| 4                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 1,232               | 6.0                     | 97.0              | 4                                     | Cerebrovascular diseases . . . . . (I60–I69)   | 3,207               | 4.7                     | 15.0              |
| 5                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 657                 | 3.2                     | 51.7              | 5                                     | Diabetes mellitus . . . . . (E10–E14)  | 2,855               | 4.2                     | 13.4              |
| 6                                       | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 601                 | 2.9                     | 47.3              | 6                                     | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 2,782               | 4.1                     | 13.0              |
| 7                                       | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 523                 | 2.6                     | 41.2              | 7                                     | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 2,376               | 3.5                     | 11.1              |
| 8                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 473                 | 2.3                     | 37.2              | 8                                     | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 1,840               | 2.7                     | 8.6               |
| 9                                       | Influenza and pneumonia . . . . . (J10–J18)  | 422                 | 2.1                     | 33.2              | 9                                     | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,631               | 2.4                     | 7.6               |
| 10                                      | Septicemia . . . . . (A40–A41)   | 319                 | 1.6                     | 25.1              | 10                                    | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 1,538               | 2.2                     | 7.2               |
| ...                                     | All other causes (residual) . . . . .  | 3,221               | 15.8                    | 253.6             | ...                                   | All other causes (residual) . . . . .  | 16,534              | 24.1                    | 77.5              |
| Hispanic, both sexes, 75–84 years       |  |                     |                         |                   | Hispanic, male, 1–4 years             |  |                     |                         |                   |
| ...                                     | All causes . . . . .   | 26,879              | 100.0                   | 3,926.7           | ...                                   | All causes . . . . .   | 535                 | 100.0                   | 30.2              |
| 1                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 8,061               | 30.0                    | 1,177.6           | 1                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 186                 | 34.8                    | 10.5              |
| 2                                       | Malignant neoplasms . . . . . (C00–C97)  | 5,970               | 22.2                    | 872.2             | 2                                     | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 82                  | 15.3                    | 4.6               |
| 3                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 2,006               | 7.5                     | 293.1             | 3                                     | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 45                  | 8.4                     | 2.5               |
| 4                                       | Diabetes mellitus . . . . . (E10–E14)  | 1,769               | 6.6                     | 258.4             | 4                                     | Malignant neoplasms . . . . . (C00–C97)  | 29                  | 5.4                     | 1.6               |
| 5                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,086               | 4.0                     | 158.7             | 5                                     | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 24                  | 4.5                     | 1.4               |
| 6                                       | Influenza and pneumonia . . . . . (J10–J18)  | 857                 | 3.2                     | 125.2             | 6                                     | Septicemia . . . . . (A40–A41)   | 14                  | 2.6                     | *                 |
| 7                                       | Alzheimer's disease . . . . . (G30)  | 681                 | 2.5                     | 99.5              | 7                                     | Influenza and pneumonia . . . . . (J10–J18)  | 9                   | 1.7                     | *                 |
| 8                                       | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 629                 | 2.3                     | 91.9              | 8                                     | Chronic lower respiratory diseases . . . . . (J40–J47)   | 7                   | 1.3                     | *                 |
| 9                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 508                 | 1.9                     | 74.2              | 9                                     | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 6                   | 1.1                     | *                 |
| 10                                      | Septicemia . . . . . (A40–A41)   | 437                 | 1.6                     | 63.8              | 10                                    | Anemias . . . . . (D50–D64)  | 3                   | 0.6                     | *                 |
| ...                                     | All other causes (residual) . . . . .  | 4,875               | 18.1                    | 712.2             | 10                                    | Cerebrovascular diseases . . . . . (I60–I69)   | 3                   | 0.6                     | *                 |
| Hispanic, both sexes, 85 years and over |  |                     |                         |                   | ...                                   | All other causes (residual) . . . . .  | 127                 | 23.7                    | 7.2               |
| ...                                     | All causes . . . . .   | 19,937              | 100.0                   | 9,483.8           | Hispanic, male, 5–9 years             |  |                     |                         |                   |
| 1                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 7,246               | 36.3                    | 3,446.8           | ...                                   | All causes . . . . .   | 273                 | 100.0                   | 13.8              |
| 2                                       | Malignant neoplasms . . . . . (C00–C97)  | 2,378               | 11.9                    | 1,131.2           | 1                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 102                 | 37.4                    | 5.1               |
| 3                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 1,709               | 8.6                     | 813.0             | 2                                     | Malignant neoplasms . . . . . (C00–C97)  | 58                  | 21.2                    | 2.9               |
| 4                                       | Alzheimer's disease . . . . . (G30)  | 1,032               | 5.2                     | 490.9             | 3                                     | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 24                  | 8.8                     | 1.2               |
| 5                                       | Influenza and pneumonia . . . . . (J10–J18)  | 1,014               | 5.1                     | 482.3             | 4                                     | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 12                  | 4.4                     | *                 |
| 6                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 823                 | 4.1                     | 391.5             | 5                                     | Septicemia . . . . . (A40–A41)   | 6                   | 2.2                     | *                 |
| 7                                       | Diabetes mellitus . . . . . (E10–E14)  | 769                 | 3.9                     | 365.8             | 6                                     | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 5                   | 1.8                     | *                 |
| 8                                       | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 386                 | 1.9                     | 183.6             | 6                                     | Influenza and pneumonia . . . . . (J10–J18)  | 5                   | 1.8                     | *                 |
| 9                                       | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 362                 | 1.8                     | 172.2             | 8                                     | Chronic lower respiratory diseases . . . . . (J40–J47)   | 3                   | 1.1                     | *                 |
| 10                                      | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 338                 | 1.7                     | 160.8             | 8                                     | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 3                   | 1.1                     | *                 |
| ...                                     | All other causes (residual) . . . . .  | 3,880               | 19.5                    | 1,845.7           | 10                                    | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 2                   | 0.7                     | *                 |
| See footnotes at end of table.          |  |                     |                         |                   | 10                                    | Complications of medical and surgical care . . . . . (Y40–Y84,Y88)   | 2                   | 0.7                     | *                 |
|   |  |                     |                         |                   | ...                                   | All other causes (residual) . . . . .  | 51                  | 18.7                    | 2.6               |



**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|-----------------------------|--|---------------------|-------------------------|-------------------|-----------------------------|--|---------------------|-------------------------|-------------------|
| Hispanic, male, 10–14 years |  |                     |                         |                   | Hispanic, male, 25–34 years |  |                     |                         |                   |
| ...                         | All causes . . . . .   | 383                 | 100.0                   | 19.8              | ...                         | All causes . . . . .   | 4,547               | 100.0                   | 109.2             |
| 1                           | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 139                 | 36.3                    | 7.2               | 1                           | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,733               | 38.1                    | 41.6              |
| 2                           | Malignant neoplasms . . . . . (C00–C97)  | 60                  | 15.7                    | 3.1               | 2                           | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 844                 | 18.6                    | 20.3              |
| 3                           | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 28                  | 7.3                     | 1.4               | 3                           | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 467                 | 10.3                    | 11.2              |
| 4                           | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 25                  | 6.5                     | 1.3               | 4                           | Malignant neoplasms . . . . . (C00–C97)  | 267                 | 5.9                     | 6.4               |
| 5                           | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 24                  | 6.3                     | 1.2               | 5                           | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 244                 | 5.4                     | 5.9               |
| 6                           | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 10                  | 2.6                     | *                 | 6                           | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 169                 | 3.7                     | 4.1               |
| 7                           | Influenza and pneumonia . . . . . (J10–J18)  | 5                   | 1.3                     | *                 | 7                           | Cerebrovascular diseases . . . . . (I60–I69)   | 61                  | 1.3                     | 1.5               |
| 8                           | Cerebrovascular diseases . . . . . (I60–I69)   | 4                   | 1.0                     | *                 | 7                           | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 61                  | 1.3                     | 1.5               |
| 8                           | Chronic lower respiratory diseases . . . . . (J40–J47)   | 4                   | 1.0                     | *                 | 9                           | Diabetes mellitus . . . . . (E10–E14)  | 37                  | 0.8                     | 0.9               |
| 8                           | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 4                   | 1.0                     | *                 | 10                          | Influenza and pneumonia . . . . . (J10–J18)  | 31                  | 0.7                     | 0.7               |
| ...                         | All other causes (residual) . . . . .  | 80                  | 20.9                    | 4.1               | ...                         | All other causes (residual) . . . . .  | 633                 | 13.9                    | 15.2              |
| Hispanic, male, 15–19 years |  |                     |                         |                   | Hispanic, male, 35–44 years |  |                     |                         |                   |
| ...                         | All causes . . . . .   | 1,662               | 100.0                   | 96.5              | ...                         | All causes . . . . .   | 5,973               | 100.0                   | 184.2             |
| 1                           | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 740                 | 44.5                    | 43.0              | 1                           | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,454               | 24.3                    | 44.9              |
| 2                           | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 445                 | 26.8                    | 25.8              | 2                           | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 715                 | 12.0                    | 22.1              |
| 3                           | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 170                 | 10.2                    | 9.9               | 3                           | Malignant neoplasms . . . . . (C00–C97)  | 604                 | 10.1                    | 18.6              |
| 4                           | Malignant neoplasms . . . . . (C00–C97)  | 94                  | 5.7                     | 5.5               | 4                           | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 522                 | 8.7                     | 16.1              |
| 5                           | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 33                  | 2.0                     | 1.9               | 5                           | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 384                 | 6.4                     | 11.8              |
| 6                           | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 18                  | 1.1                     | *                 | 6                           | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 377                 | 6.3                     | 11.6              |
| 7                           | Influenza and pneumonia . . . . . (J10–J18)  | 8                   | 0.5                     | *                 | 7                           | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 351                 | 5.9                     | 10.8              |
| 7                           | Legal intervention . . . . . (Y35,Y89.0)   | 8                   | 0.5                     | *                 | 8                           | Cerebrovascular diseases . . . . . (I60–I69)   | 190                 | 3.2                     | 5.9               |
| 9                           | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 6                   | 0.4                     | *                 | 9                           | Diabetes mellitus . . . . . (E10–E14)  | 111                 | 1.9                     | 3.4               |
| 9                           | Cerebrovascular diseases . . . . . (I60–I69)   | 6                   | 0.4                     | *                 | 10                          | Viral hepatitis . . . . . (B15–B19)  | 85                  | 1.4                     | 2.6               |
| ...                         | All other causes (residual) . . . . .  | 134                 | 8.1                     | 7.8               | ...                         | All other causes (residual) . . . . .  | 1,180               | 19.8                    | 36.4              |
| Hispanic, male, 20–24 years |  |                     |                         |                   | Hispanic, male, 45–54 years |  |                     |                         |                   |
| ...                         | All causes . . . . .   | 2,714               | 100.0                   | 130.9             | ...                         | All causes . . . . .   | 8,451               | 100.0                   | 417.8             |
| 1                           | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,186               | 43.7                    | 57.2              | 1                           | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 1,569               | 18.6                    | 77.6              |
| 2                           | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 680                 | 25.1                    | 32.8              | 2                           | Malignant neoplasms . . . . . (C00–C97)  | 1,566               | 18.5                    | 77.4              |
| 3                           | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 317                 | 11.7                    | 15.3              | 3                           | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 968                 | 11.5                    | 47.9              |
| 4                           | Malignant neoplasms . . . . . (C00–C97)  | 113                 | 4.2                     | 5.5               | 4                           | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 825                 | 9.8                     | 40.8              |
| 5                           | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 68                  | 2.5                     | 3.3               | 5                           | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 445                 | 5.3                     | 22.0              |
| 6                           | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 22                  | 0.8                     | 1.1               | 6                           | Cerebrovascular diseases . . . . . (I60–I69)   | 354                 | 4.2                     | 17.5              |
| 6                           | Legal intervention . . . . . (Y35,Y89.0)   | 22                  | 0.8                     | 1.1               | 7                           | Diabetes mellitus . . . . . (E10–E14)  | 323                 | 3.8                     | 16.0              |
| 8                           | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 18                  | 0.7                     | *                 | 8                           | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 242                 | 2.9                     | 12.0              |
| 9                           | Influenza and pneumonia . . . . . (J10–J18)  | 16                  | 0.6                     | *                 | 9                           | Viral hepatitis . . . . . (B15–B19)  | 206                 | 2.4                     | 10.2              |
| 10                          | Cerebrovascular diseases . . . . . (I60–I69)   | 14                  | 0.5                     | *                 | 10                          | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 193                 | 2.3                     | 9.5               |
| ...                         | All other causes (residual) . . . . .  | 258                 | 9.5                     | 12.4              | ...                         | All other causes (residual) . . . . .  | 1,760               | 20.8                    | 87.0              |

See footnotes at end of table.

**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                 | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                       | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|-----------------------------------|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Hispanic, male, 55–64 years       |  |                     |                         |                   | Hispanic, male, 75–84 years             |  |                     |                         |                   |
| ...                               | All causes . . . . .   | 9,246               | 100.0                   | 874.0             | ...                                     | All causes . . . . .   | 13,397              | 100.0                   | 4,791.6           |
| 1                                 | Malignant neoplasms . . . . . (C00–C97)  | 2,528               | 27.3                    | 239.0             | 1                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 4,163               | 31.1                    | 1,489.0           |
| 2                                 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 2,376               | 25.7                    | 224.6             | 2                                       | Malignant neoplasms . . . . . (C00–C97)  | 3,283               | 24.5                    | 1,174.2           |
| 3                                 | Diabetes mellitus . . . . . (E10–E14)  | 602                 | 6.5                     | 56.9              | 3                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 904                 | 6.7                     | 323.3             |
| 4                                 | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 554                 | 6.0                     | 52.4              | 4                                       | Diabetes mellitus . . . . . (E10–E14)  | 781                 | 5.8                     | 279.3             |
| 5                                 | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 474                 | 5.1                     | 44.8              | 5                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 577                 | 4.3                     | 206.4             |
| 6                                 | Cerebrovascular diseases . . . . . (I60–I69)   | 454                 | 4.9                     | 42.9              | 6                                       | Influenza and pneumonia . . . . . (J10–J18)  | 425                 | 3.2                     | 152.0             |
| 7                                 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 180                 | 1.9                     | 17.0              | 7                                       | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 306                 | 2.3                     | 109.4             |
| 8                                 | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 152                 | 1.6                     | 14.4              | 8                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 278                 | 2.1                     | 99.4              |
| 9                                 | Chronic lower respiratory diseases . . . . . (J40–J47)   | 145                 | 1.6                     | 13.7              | 9                                       | Alzheimer's disease . . . . . (G30)  | 260                 | 1.9                     | 93.0              |
| 10                                | Influenza and pneumonia . . . . . (J10–J18)  | 122                 | 1.3                     | 11.5              | 10                                      | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 198                 | 1.5                     | 70.8              |
| ...                               | All other causes (residual) . . . . .  | 1,659               | 17.9                    | 156.8             | ...                                     | All other causes (residual) . . . . .  | 2,222               | 16.6                    | 794.7             |
| Hispanic, male, 65 years and over |  |                     |                         |                   | Hispanic, male, 85 years and over       |  |                     |                         |                   |
| ...                               | All causes . . . . .   | 31,766              | 100.0                   | 3,465.9           | ...                                     | All causes . . . . .   | 7,090               | 100.0                   | 9,932.8           |
| 1                                 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 9,895               | 31.1                    | 1,079.6           | 1                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 2,496               | 35.2                    | 3,496.8           |
| 2                                 | Malignant neoplasms . . . . . (C00–C97)  | 7,673               | 24.2                    | 837.2             | 2                                       | Malignant neoplasms . . . . . (C00–C97)  | 1,077               | 15.2                    | 1,508.8           |
| 3                                 | Cerebrovascular diseases . . . . . (I60–I69)   | 2,107               | 6.6                     | 229.9             | 3                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 556                 | 7.8                     | 778.9             |
| 4                                 | Diabetes mellitus . . . . . (E10–E14)  | 1,772               | 5.6                     | 193.3             | 4                                       | Influenza and pneumonia . . . . . (J10–J18)  | 377                 | 5.3                     | 528.2             |
| 5                                 | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,334               | 4.2                     | 145.5             | 5                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 370                 | 5.2                     | 518.4             |
| 6                                 | Influenza and pneumonia . . . . . (J10–J18)  | 1,022               | 3.2                     | 111.5             | 6                                       | Alzheimer's disease . . . . . (G30)  | 267                 | 3.8                     | 374.1             |
| 7                                 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 722                 | 2.3                     | 78.8              | 7                                       | Diabetes mellitus . . . . . (E10–E14)  | 232                 | 3.3                     | 325.0             |
| 8                                 | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 710                 | 2.2                     | 77.5              | 8                                       | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 165                 | 2.3                     | 231.2             |
| 9                                 | Alzheimer's disease . . . . . (G30)  | 592                 | 1.9                     | 64.6              | 9                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 138                 | 1.9                     | 193.3             |
| 10                                | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 555                 | 1.7                     | 60.6              | 10                                      | Septicemia . . . . . (A40–A41)   | 105                 | 1.5                     | 147.1             |
| ...                               | All other causes (residual) . . . . .  | 5,384               | 16.9                    | 587.4             | 10                                      | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 105                 | 1.5                     | 147.1             |
| ...                               |  |                     |                         |                   | ...                                     | All other causes (residual) . . . . .  | 1,202               | 17.0                    | 1,683.9           |
| Hispanic, male, 65–74 years       |  |                     |                         |                   | Hispanic, female, all ages <sup>3</sup> |  |                     |                         |                   |
| ...                               | All causes . . . . .   | 11,279              | 100.0                   | 1,994.3           | ...                                     | All causes . . . . .   | 53,872              | 100.0                   | 269.7             |
| 1                                 | Malignant neoplasms . . . . . (C00–C97)  | 3,313               | 29.4                    | 585.8             | 1                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 12,805              | 23.8                    | 64.1              |
| 2                                 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 3,236               | 28.7                    | 572.2             | 2                                       | Malignant neoplasms . . . . . (C00–C97)  | 11,520              | 21.4                    | 57.7              |
| 3                                 | Diabetes mellitus . . . . . (E10–E14)  | 759                 | 6.7                     | 134.2             | 3                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 3,574               | 6.6                     | 17.9              |
| 4                                 | Cerebrovascular diseases . . . . . (I60–I69)   | 647                 | 5.7                     | 114.4             | 4                                       | Diabetes mellitus . . . . . (E10–E14)  | 3,144               | 5.8                     | 15.7              |
| 5                                 | Chronic lower respiratory diseases . . . . . (J40–J47)   | 387                 | 3.4                     | 68.4              | 5                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 2,612               | 4.8                     | 13.1              |
| 6                                 | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 336                 | 3.0                     | 59.4              | 6                                       | Influenza and pneumonia . . . . . (J10–J18)  | 1,509               | 2.8                     | 7.6               |
| 7                                 | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 294                 | 2.6                     | 52.0              | 7                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,476               | 2.7                     | 7.4               |
| 8                                 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 251                 | 2.2                     | 44.4              | 8                                       | Alzheimer's disease . . . . . (G30)  | 1,291               | 2.4                     | 6.5               |
| 9                                 | Influenza and pneumonia . . . . . (J10–J18)  | 220                 | 2.0                     | 38.9              | 9                                       | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 1,143               | 2.1                     | 5.7               |
| 10                                | Septicemia . . . . . (A40–A41)   | 154                 | 1.4                     | 27.2              | 10                                      | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 1,095               | 2.0                     | 5.5               |
| ...                               | All other causes (residual) . . . . .  | 1,682               | 14.9                    | 297.4             | ...                                     | All other causes (residual) . . . . .  | 13,703              | 25.4                    | 68.6              |

See footnotes at end of table.

**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>             | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|--------------------------------|--|---------------------|-------------------------|-------------------|-------------------------------|--|---------------------|-------------------------|-------------------|
| Hispanic, female, 1–4 years    |  |                     |                         |                   | Hispanic, female, 10–14 years |  |                     |                         |                   |
| ...                            | All causes . . . . .   | 412                 | 100.0                   | 24.3              | ...                           | All causes . . . . .   | 235                 | 100.0                   | 12.7              |
| 1                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 127                 | 30.8                    | 7.5               | 1                             | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 74                  | 31.5                    | 4.0               |
| 2                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 56                  | 13.6                    | 3.3               | 2                             | Malignant neoplasms . . . . . (C00–C97)  | 52                  | 22.1                    | 2.8               |
| 3                              | Malignant neoplasms . . . . . (C00–C97)  | 41                  | 10.0                    | 2.4               | 3                             | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 15                  | 6.4                     | *                 |
| 4                              | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 35                  | 8.5                     | 2.1               | 4                             | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 12                  | 5.1                     | *                 |
| 5                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 15                  | 3.6                     | *                 | 5                             | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 9                   | 3.8                     | *                 |
| 5                              | Influenza and pneumonia . . . . . (J10–J18)  | 15                  | 3.6                     | *                 | 6                             | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 8                   | 3.4                     | *                 |
| 7                              | Septicemia . . . . . (A40–A41)   | 10                  | 2.4                     | *                 | 7                             | Influenza and pneumonia . . . . . (J10–J18)  | 3                   | 1.3                     | *                 |
| 8                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 4                   | 1.0                     | *                 | 7                             | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 3                   | 1.3                     | *                 |
| 8                              | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 4                   | 1.0                     | *                 | 9                             | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 2                   | 0.9                     | *                 |
| 10                             | Meningococcal infection . . . . . (A39)  | 3                   | 0.7                     | *                 | 9                             | Cerebrovascular diseases . . . . . (I60–I69)   | 2                   | 0.9                     | *                 |
| 10                             | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 3                   | 0.7                     | *                 | 9                             | Chronic lower respiratory diseases . . . . . (J40–J47)   | 2                   | 0.9                     | *                 |
| 10                             | Acute bronchitis and bronchiolitis . . . . . (J20–J21)   | 3                   | 0.7                     | *                 | 9                             | Complications of medical and surgical care . . . . . (Y40–Y84,Y88)   | 2                   | 0.9                     | *                 |
| 10                             | Complications of medical and surgical care . . . . . (Y40–Y84,Y88)   | 3                   | 0.7                     | *                 | ...                           | All other causes (residual) . . . . .  | 51                  | 21.7                    | 2.8               |
| ...                            | All other causes (residual) . . . . .  | 93                  | 22.6                    | 5.5               | Hispanic, female, 15–19 years |  |                     |                         |                   |
| Hispanic, female, 5–9 years    |  |                     |                         |                   | ...                           | All causes . . . . .   | 479                 | 100.0                   | 29.7              |
| ...                            | All causes . . . . .   | 214                 | 100.0                   | 11.3              | 1                             | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 216                 | 45.1                    | 13.4              |
| 1                              | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 76                  | 35.5                    | 4.0               | 2                             | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 47                  | 9.8                     | 2.9               |
| 2                              | Malignant neoplasms . . . . . (C00–C97)  | 41                  | 19.2                    | 2.2               | 3                             | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 44                  | 9.2                     | 2.7               |
| 3                              | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 15                  | 7.0                     | *                 | 4                             | Malignant neoplasms . . . . . (C00–C97)  | 43                  | 9.0                     | 2.7               |
| 4                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 12                  | 5.6                     | *                 | 5                             | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 11                  | 2.3                     | *                 |
| 5                              | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 11                  | 5.1                     | *                 | 5                             | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 11                  | 2.3                     | *                 |
| 6                              | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 4                   | 1.9                     | *                 | 7                             | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 10                  | 2.1                     | *                 |
| 7                              | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 3                   | 1.4                     | *                 | 8                             | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 5                   | 1.0                     | *                 |
| 7                              | Cerebrovascular diseases . . . . . (I60–I69)   | 3                   | 1.4                     | *                 | 8                             | Anemias . . . . . (D50–D64)  | 5                   | 1.0                     | *                 |
| 7                              | Chronic lower respiratory diseases . . . . . (J40–J47)   | 3                   | 1.4                     | *                 | 8                             | Cerebrovascular diseases . . . . . (I60–I69)   | 5                   | 1.0                     | *                 |
| 10                             | Septicemia . . . . . (A40–A41)   | 2                   | 0.9                     | *                 | ...                           | All other causes (residual) . . . . .  | 82                  | 17.1                    | 5.1               |
| 10                             | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 2                   | 0.9                     | *                 | Hispanic, female, 20–24 years |  |                     |                         |                   |
| ...                            | All other causes (residual) . . . . .  | 42                  | 19.6                    | 2.2               | ...                           | All causes . . . . .   | 573                 | 100.0                   | 33.9              |
| See footnotes at end of table. |  |                     |                         |                   | 1                             | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 230                 | 40.1                    | 13.6              |
|                                |  |                     |                         |                   | 2                             | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 63                  | 11.0                    | 3.7               |
|                                |  |                     |                         |                   | 3                             | Malignant neoplasms . . . . . (C00–C97)  | 55                  | 9.6                     | 3.3               |
|                                |  |                     |                         |                   | 4                             | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 40                  | 7.0                     | 2.4               |
|                                |  |                     |                         |                   | 5                             | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 18                  | 3.1                     | *                 |
|                                |  |                     |                         |                   | 5                             | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 18                  | 3.1                     | *                 |
|                                |  |                     |                         |                   | 7                             | Cerebrovascular diseases . . . . . (I60–I69)   | 11                  | 1.9                     | *                 |
|                                |  |                     |                         |                   | 8                             | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 10                  | 1.7                     | *                 |
|                                |  |                     |                         |                   | 9                             | Diabetes mellitus . . . . . (E10–E14)  | 5                   | 0.9                     | *                 |
|                                |  |                     |                         |                   | 9                             | Influenza and pneumonia . . . . . (J10–J18)  | 5                   | 0.9                     | *                 |
|                                |  |                     |                         |                   | ...                           | All other causes (residual) . . . . .  | 118                 | 20.6                    | 7.0               |

**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>             | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                   | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|-------------------------------|--|---------------------|-------------------------|-------------------|-------------------------------------|--|---------------------|-------------------------|-------------------|
| Hispanic, female, 25–34 years |  |                     |                         |                   | Hispanic, female, 55–64 years       |  |                     |                         |                   |
| ...                           | All causes . . . . .   | 1,412               | 100.0                   | 40.9              | ...                                 | All causes . . . . .   | 5,952               | 100.0                   | 511.3             |
| 1                             | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 353                 | 25.0                    | 10.2              | 1                                   | Malignant neoplasms . . . . . (C00–C97)  | 2,131               | 35.8                    | 183.0             |
| 2                             | Malignant neoplasms . . . . . (C00–C97)  | 259                 | 18.3                    | 7.5               | 2                                   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 1,084               | 18.2                    | 93.1              |
| 3                             | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 118                 | 8.4                     | 3.4               | 3                                   | Diabetes mellitus . . . . . (E10–E14)  | 471                 | 7.9                     | 40.5              |
| 4                             | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 78                  | 5.5                     | 2.3               | 4                                   | Cerebrovascular diseases . . . . . (I60–I69)   | 322                 | 5.4                     | 27.7              |
| 5                             | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 58                  | 4.1                     | 1.7               | 5                                   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 215                 | 3.6                     | 18.5              |
| 6                             | Pregnancy, childbirth and the puerperium . . . . . (O00–O99)   | 49                  | 3.5                     | 1.4               | 6                                   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 204                 | 3.4                     | 17.5              |
| 7                             | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 42                  | 3.0                     | 1.2               | 7                                   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 139                 | 2.3                     | 11.9              |
| 8                             | Cerebrovascular diseases . . . . . (I60–I69)   | 32                  | 2.3                     | 0.9               | 8                                   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 127                 | 2.1                     | 10.9              |
| 9                             | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 29                  | 2.1                     | 0.8               | 9                                   | Septicemia . . . . . (A40–A41)   | 107                 | 1.8                     | 9.2               |
| 10                            | Diabetes mellitus . . . . . (E10–E14)  | 27                  | 1.9                     | 0.8               | 10                                  | Influenza and pneumonia . . . . . (J10–J18)  | 92                  | 1.5                     | 7.9               |
| ...                           | All other causes (residual) . . . . .  | 367                 | 26.0                    | 10.6              | ...                                 | All other causes (residual) . . . . .  | 1,060               | 17.8                    | 91.1              |
| Hispanic, female, 35–44 years |  |                     |                         |                   | Hispanic, female, 65 years and over |  |                     |                         |                   |
| ...                           | All causes . . . . .   | 2,573               | 100.0                   | 88.2              | ...                                 | All causes . . . . .   | 35,470              | 100.0                   | 2,841.1           |
| 1                             | Malignant neoplasms . . . . . (C00–C97)  | 741                 | 28.8                    | 25.4              | 1                                   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 10,801              | 30.5                    | 865.1             |
| 2                             | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 369                 | 14.3                    | 12.6              | 2                                   | Malignant neoplasms . . . . . (C00–C97)  | 6,671               | 18.8                    | 534.3             |
| 3                             | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 219                 | 8.5                     | 7.5               | 3                                   | Cerebrovascular diseases . . . . . (I60–I69)   | 2,840               | 8.0                     | 227.5             |
| 4                             | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 154                 | 6.0                     | 5.3               | 4                                   | Diabetes mellitus . . . . . (E10–E14)  | 2,353               | 6.6                     | 188.5             |
| 5                             | Cerebrovascular diseases . . . . . (I60–I69)   | 114                 | 4.4                     | 3.9               | 5                                   | Alzheimer's disease . . . . . (G30)  | 1,274               | 3.6                     | 102.0             |
| 6                             | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 93                  | 3.6                     | 3.2               | 6                                   | Influenza and pneumonia . . . . . (J10–J18)  | 1,271               | 3.6                     | 101.8             |
| 7                             | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 91                  | 3.5                     | 3.1               | 7                                   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,232               | 3.5                     | 98.7              |
| 8                             | Diabetes mellitus . . . . . (E10–E14)  | 76                  | 3.0                     | 2.6               | 8                                   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 816                 | 2.3                     | 65.4              |
| 9                             | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 70                  | 2.7                     | 2.4               | 9                                   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 609                 | 1.7                     | 48.8              |
| 10                            | Septicemia . . . . . (A40–A41)   | 35                  | 1.4                     | 1.2               | 10                                  | Septicemia . . . . . (A40–A41)   | 592                 | 1.7                     | 47.4              |
| ...                           | All other causes (residual) . . . . .  | 611                 | 23.7                    | 20.9              | ...                                 | All other causes (residual) . . . . .  | 7,011               | 19.8                    | 561.6             |
| Hispanic, female, 45–54 years |  |                     |                         |                   | Hispanic, female, 65–74 years       |  |                     |                         |                   |
| ...                           | All causes . . . . .   | 4,177               | 100.0                   | 208.3             | ...                                 | All causes . . . . .   | 9,141               | 100.0                   | 1,297.2           |
| 1                             | Malignant neoplasms . . . . . (C00–C97)  | 1,474               | 35.3                    | 73.5              | 1                                   | Malignant neoplasms . . . . . (C00–C97)  | 2,683               | 29.4                    | 380.7             |
| 2                             | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 541                 | 13.0                    | 27.0              | 2                                   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 2,153               | 23.6                    | 305.5             |
| 3                             | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 281                 | 6.7                     | 14.0              | 3                                   | Diabetes mellitus . . . . . (E10–E14)  | 828                 | 9.1                     | 117.5             |
| 4                             | Cerebrovascular diseases . . . . . (I60–I69)   | 236                 | 5.6                     | 11.8              | 4                                   | Cerebrovascular diseases . . . . . (I60–I69)   | 585                 | 6.4                     | 83.0              |
| 5                             | Diabetes mellitus . . . . . (E10–E14)  | 212                 | 5.1                     | 10.6              | 5                                   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 272                 | 3.0                     | 38.6              |
| 6                             | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 173                 | 4.1                     | 8.6               | 6                                   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 270                 | 3.0                     | 38.3              |
| 7                             | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 124                 | 3.0                     | 6.2               | 7                                   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 265                 | 2.9                     | 37.6              |
| 8                             | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 75                  | 1.8                     | 3.7               | 8                                   | Influenza and pneumonia . . . . . (J10–J18)  | 202                 | 2.2                     | 28.7              |
| 9                             | Viral hepatitis . . . . . (B15–B19)  | 69                  | 1.7                     | 3.4               | 9                                   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 179                 | 2.0                     | 25.4              |
| 10                            | Chronic lower respiratory diseases . . . . . (J40–J47)   | 68                  | 1.6                     | 3.4               | 10                                  | Septicemia . . . . . (A40–A41)   | 165                 | 1.8                     | 23.4              |
| ...                           | All other causes (residual) . . . . .  | 924                 | 22.1                    | 46.1              | ...                                 | All other causes (residual) . . . . .  | 1,539               | 16.8                    | 218.4             |

See footnotes at end of table.



**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                                     | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Hispanic, female, 75–84 years                         |  |                     |                         |                   | Non-Hispanic white, both sexes, 1–4 years   |  |                     |                         |                   |
| ...   | All causes . . . . .   | 13,482              | 100.0                   | 3,329.6           | ...   | All causes . . . . .   | 2,458               | 100.0                   | 26.8              |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 3,898               | 28.9                    | 962.7             | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 933                 | 38.0                    | 10.2              |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 2,687               | 19.9                    | 663.6             | 2   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 270                 | 11.0                    | 2.9               |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 1,102               | 8.2                     | 272.2             | 3   | Malignant neoplasms . . . . . (C00–C97)  | 244                 | 9.9                     | 2.7               |
| 4   | Diabetes mellitus . . . . . (E10–E14)  | 988                 | 7.3                     | 244.0             | 4   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 131                 | 5.3                     | 1.4               |
| 5   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 509                 | 3.8                     | 125.7             | 5   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 80                  | 3.3                     | 0.9               |
| 6   | Influenza and pneumonia . . . . . (J10–J18)  | 432                 | 3.2                     | 106.7             | 6   | Influenza and pneumonia . . . . . (J10–J18)  | 55                  | 2.2                     | 0.6               |
| 7   | Alzheimer's disease . . . . . (G30)  | 421                 | 3.1                     | 104.0             | 7   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 39                  | 1.6                     | 0.4               |
| 8   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 323                 | 2.4                     | 79.8              | 8   | Septicemia . . . . . (A40–A41)   | 36                  | 1.5                     | 0.4               |
| 9   | Septicemia . . . . . (A40–A41)   | 242                 | 1.8                     | 59.8              | 9   | Cerebrovascular diseases . . . . . (I60–I69)   | 25                  | 1.0                     | 0.3               |
| 10  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 230                 | 1.7                     | 56.8              | 10  | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 24                  | 1.0                     | 0.3               |
| ...   | All other causes (residual) . . . . .  | 2,650               | 19.7                    | 654.5             | ...   | All other causes (residual) . . . . .  | 621                 | 25.3                    | 6.8               |
| Hispanic, female, 85 years and over                   |  |                     |                         |                   | Non-Hispanic white, both sexes, 5–9 years   |  |                     |                         |                   |
| ...   | All causes . . . . .   | 12,847              | 100.0                   | 9,253.0           | ...   | All causes . . . . .   | 1,573               | 100.0                   | 13.5              |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 4,750               | 37.0                    | 3,421.2           | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 620                 | 39.4                    | 5.3               |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 1,301               | 10.1                    | 937.0             | 2   | Malignant neoplasms . . . . . (C00–C97)  | 322                 | 20.5                    | 2.8               |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 1,153               | 9.0                     | 830.4             | 3   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 111                 | 7.1                     | 0.9               |
| 4   | Alzheimer's disease . . . . . (G30)  | 765                 | 6.0                     | 551.0             | 4   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 48                  | 3.1                     | 0.4               |
| 5   | Influenza and pneumonia . . . . . (J10–J18)  | 637                 | 5.0                     | 458.8             | 5   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 38                  | 2.4                     | 0.3               |
| 6   | Diabetes mellitus . . . . . (E10–E14)  | 537                 | 4.2                     | 386.8             | 6   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 25                  | 1.6                     | 0.2               |
| 7   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 453                 | 3.5                     | 326.3             | 7   | Septicemia . . . . . (A40–A41)   | 23                  | 1.5                     | 0.2               |
| 8   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 257                 | 2.0                     | 185.1             | 8   | Cerebrovascular diseases . . . . . (I60–I69)   | 22                  | 1.4                     | 0.2               |
| 9   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 221                 | 1.7                     | 159.2             | 9   | Influenza and pneumonia . . . . . (J10–J18)  | 14                  | 0.9                     | *                 |
| 10  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 200                 | 1.6                     | 144.0             | 10  | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 13                  | 0.8                     | *                 |
| ...   | All other causes (residual) . . . . .  | 2,573               | 20.0                    | 1,853.2           | ...   | All other causes (residual) . . . . .  | 337                 | 21.4                    | 2.9               |
| Non-Hispanic white, both sexes, all ages <sup>3</sup> |  |                     |                         |                   | Non-Hispanic white, both sexes, 10–14 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 1,933,382           | 100.0                   | 967.8             | ...   | All causes . . . . .   | 2,247               | 100.0                   | 17.4              |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 537,512             | 27.8                    | 269.1             | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 953                 | 42.4                    | 7.4               |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 453,534             | 23.5                    | 227.0             | 2   | Malignant neoplasms . . . . . (C00–C97)  | 265                 | 11.8                    | 2.1               |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 121,065             | 6.3                     | 60.6              | 3   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 179                 | 8.0                     | 1.4               |
| 4   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 109,670             | 5.7                     | 54.9              | 4   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 106                 | 4.7                     | 0.8               |
| 5   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 85,466              | 4.4                     | 42.8              | 5   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 87                  | 3.9                     | 0.7               |
| 6   | Alzheimer's disease . . . . . (G30)  | 59,153              | 3.1                     | 29.6              | 6   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 71                  | 3.2                     | 0.6               |
| 7   | Diabetes mellitus . . . . . (E10–E14)  | 52,101              | 2.7                     | 26.1              | 7   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 30                  | 1.3                     | 0.2               |
| 8   | Influenza and pneumonia . . . . . (J10–J18)  | 49,456              | 2.6                     | 24.8              | 8   | Influenza and pneumonia . . . . . (J10–J18)  | 29                  | 1.3                     | 0.2               |
| 9   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 31,508              | 1.6                     | 15.8              | 9   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 27                  | 1.2                     | 0.2               |
| 10  | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 27,001              | 1.4                     | 13.5              | 10  | Cerebrovascular diseases . . . . . (I60–I69)   | 26                  | 1.2                     | 0.2               |
| ...   | All other causes (residual) . . . . .  | 406,916             | 21.0                    | 203.7             | ...   | All other causes (residual) . . . . .  | 474                 | 21.1                    | 3.7               |

See footnotes at end of table.



**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Non-Hispanic white, both sexes, 15–19 years |  |                     |                         |                   | Non-Hispanic white, both sexes, 35–44 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 8,346               | 100.0                   | 63.4              | ...   | All causes . . . . .   | 55,543              | 100.0                   | 185.9             |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 4,911               | 58.8                    | 37.3              | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 12,025              | 21.6                    | 40.3              |
| 2   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 1,211               | 14.5                    | 9.2               | 2   | Malignant neoplasms . . . . . (C00–C97)  | 10,062              | 18.1                    | 33.7              |
| 3   | Malignant neoplasms . . . . . (C00–C97)  | 442                 | 5.3                     | 3.4               | 3   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 8,411               | 15.1                    | 28.2              |
| 4   | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 341                 | 4.1                     | 2.6               | 4   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 5,598               | 10.1                    | 18.7              |
| 5   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 191                 | 2.3                     | 1.5               | 5   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 1,863               | 3.4                     | 6.2               |
| 6   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 155                 | 1.9                     | 1.2               | 6   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 1,529               | 2.8                     | 5.1               |
| 7   | Influenza and pneumonia . . . . . (J10–J18)  | 41                  | 0.5                     | 0.3               | 7   | Cerebrovascular diseases . . . . . (I60–I69)   | 1,256               | 2.3                     | 4.2               |
| 8   | Cerebrovascular diseases . . . . . (I60–I69)   | 39                  | 0.5                     | 0.3               | 8   | Diabetes mellitus . . . . . (E10–E14)  | 1,238               | 2.2                     | 4.1               |
| 9   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 33                  | 0.4                     | 0.3               | 9   | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 1,124               | 2.0                     | 3.8               |
| 10  | Septicemia . . . . . (A40–A41)   | 30                  | 0.4                     | 0.2               | 10  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 583                 | 1.0                     | 2.0               |
| ...   | All other causes (residual) . . . . .  | 952                 | 11.4                    | 7.2               | ...   | All other causes (residual) . . . . .  | 11,854              | 21.3                    | 39.7              |
| Non-Hispanic white, both sexes, 20–24 years |  |                     |                         |                   | Non-Hispanic white, both sexes, 45–54 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 11,338              | 100.0                   | 87.2              | ...   | All causes . . . . .   | 123,037             | 100.0                   | 400.8             |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 5,936               | 52.4                    | 45.7              | 1   | Malignant neoplasms . . . . . (C00–C97)  | 36,016              | 29.3                    | 117.3             |
| 2   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 1,834               | 16.2                    | 14.1              | 2   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 25,858              | 21.0                    | 84.2              |
| 3   | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 576                 | 5.1                     | 4.4               | 3   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 12,744              | 10.4                    | 41.5              |
| 4   | Malignant neoplasms . . . . . (C00–C97)  | 574                 | 5.1                     | 4.4               | 4   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 6,101               | 5.0                     | 19.9              |
| 5   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 362                 | 3.2                     | 2.8               | 5   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 5,330               | 4.3                     | 17.4              |
| 6   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 135                 | 1.2                     | 1.0               | 6   | Diabetes mellitus . . . . . (E10–E14)  | 3,462               | 2.8                     | 11.3              |
| 7   | Cerebrovascular diseases . . . . . (I60–I69)   | 78                  | 0.7                     | 0.6               | 7   | Cerebrovascular diseases . . . . . (I60–I69)   | 3,355               | 2.7                     | 10.9              |
| 8   | Influenza and pneumonia . . . . . (J10–J18)  | 67                  | 0.6                     | 0.5               | 8   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 2,695               | 2.2                     | 8.8               |
| 9   | Diabetes mellitus . . . . . (E10–E14)  | 62                  | 0.5                     | 0.5               | 9   | Viral hepatitis . . . . . (B15–B19)  | 1,517               | 1.2                     | 4.9               |
| 10  | Pregnancy, childbirth and the puerperium . . . . . (O00–O99)   | 47                  | 0.4                     | 0.4               | 10  | Septicemia . . . . . (A40–A41)   | 1,359               | 1.1                     | 4.4               |
| ...   | All other causes (residual) . . . . .  | 1,667               | 14.7                    | 12.8              | ...   | All other causes (residual) . . . . .  | 24,600              | 20.0                    | 80.1              |
| Non-Hispanic white, both sexes, 25–34 years |  |                     |                         |                   | Non-Hispanic white, both sexes, 55–64 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 23,397              | 100.0                   | 95.9              | ...   | All causes . . . . .   | 198,842             | 100.0                   | 875.1             |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 8,712               | 37.2                    | 35.7              | 1   | Malignant neoplasms . . . . . (C00–C97)  | 76,400              | 38.4                    | 336.2             |
| 2   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 3,747               | 16.0                    | 15.4              | 2   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 46,934              | 23.6                    | 206.6             |
| 3   | Malignant neoplasms . . . . . (C00–C97)  | 2,270               | 9.7                     | 9.3               | 3   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 10,190              | 5.1                     | 44.8              |
| 4   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 1,745               | 7.5                     | 7.2               | 4   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 7,390               | 3.7                     | 32.5              |
| 5   | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 976                 | 4.2                     | 4.0               | 5   | Diabetes mellitus . . . . . (E10–E14)  | 6,965               | 3.5                     | 30.7              |
| 6   | Diabetes mellitus . . . . . (E10–E14)  | 333                 | 1.4                     | 1.4               | 6   | Cerebrovascular diseases . . . . . (I60–I69)   | 6,321               | 3.2                     | 27.8              |
| 7   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 296                 | 1.3                     | 1.2               | 7   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 4,838               | 2.4                     | 21.3              |
| 8   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 295                 | 1.3                     | 1.2               | 8   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 3,584               | 1.8                     | 15.8              |
| 9   | Cerebrovascular diseases . . . . . (I60–I69)   | 280                 | 1.2                     | 1.1               | 9   | Septicemia . . . . . (A40–A41)   | 2,513               | 1.3                     | 11.1              |
| 10  | Influenza and pneumonia . . . . . (J10–J18)  | 183                 | 0.8                     | 0.8               | 10  | Influenza and pneumonia . . . . . (J10–J18)  | 2,295               | 1.2                     | 10.1              |
| ...   | All other causes (residual) . . . . .  | 4,560               | 19.5                    | 18.7              | ...   | All other causes (residual) . . . . .  | 31,412              | 15.8                    | 138.2             |

See footnotes at end of table.

**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                                 | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                                 | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Non-Hispanic white, both sexes, 65 years and over |  |                     |                         |                   | Non-Hispanic white, both sexes, 85 years and over |  |                     |                         |                   |
| ...   | All causes . . . . .   | 1,493,442           | 100.0                   | 5,003.1           | ...   | All causes . . . . .   | 593,382             | 100.0                   | 14,191.1          |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 453,580             | 30.4                    | 1,519.5           | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 210,669             | 35.5                    | 5,038.3           |
| 2   | Malignant neoplasms . . . . .(C00–C97)   | 326,892             | 21.9                    | 1,095.1           | 2   | Malignant neoplasms . . . . .(C00–C97)   | 70,283              | 11.8                    | 1,680.9           |
| 3   | Cerebrovascular diseases . . . . .(I60–I69)  | 109,604             | 7.3                     | 367.2             | 3   | Cerebrovascular diseases . . . . .(I60–I69)  | 53,371              | 9.0                     | 1,276.4           |
| 4   | Chronic lower respiratory diseases . . . . .(J40–J47)  | 95,939              | 6.4                     | 321.4             | 4   | Alzheimer's disease . . . . .(G30)   | 36,040              | 6.1                     | 861.9             |
| 5   | Alzheimer's disease . . . . .(G30)   | 58,585              | 3.9                     | 196.3             | 5   | Chronic lower respiratory diseases . . . . .(J40–J47)  | 26,761              | 4.5                     | 640.0             |
| 6   | Influenza and pneumonia . . . . .(J10–J18)   | 44,866              | 3.0                     | 150.3             | 6   | Influenza and pneumonia . . . . .(J10–J18)   | 24,829              | 4.2                     | 593.8             |
| 7   | Diabetes mellitus . . . . .(E10–E14)   | 39,991              | 2.7                     | 134.0             | 7   | Accidents (unintentional injuries) . . . . .(V01–X59,Y85–Y86)  | 12,344              | 2.1                     | 295.2             |
| 8   | Accidents (unintentional injuries) . . . . .(V01–X59,Y85–Y86)  | 30,650              | 2.1                     | 102.7             | 8   | Diabetes mellitus . . . . .(E10–E14)   | 11,896              | 2.0                     | 284.5             |
| 9   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 27,647              | 1.9                     | 92.6              | 9   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 11,796              | 2.0                     | 282.1             |
| 10  | Septicemia . . . . .(A40–A41)  | 20,263              | 1.4                     | 67.9              | 10  | Essential (primary) hypertension and hypertensive renal disease . . . . .(I10,I12)                                       | 7,875               | 1.3                     | 188.3             |
| ...   | All other causes (residual) . . . . .  | 285,425             | 19.1                    | 956.2             | ...   | All other causes (residual) . . . . .  | 127,518             | 21.5                    | 3,049.7           |
| Non-Hispanic white, both sexes, 65–74 years       |  |                     |                         |                   | Non-Hispanic white, male, all ages <sup>3</sup>   |  |                     |                         |                   |
| ...   | All causes . . . . .   | 317,606             | 100.0                   | 2,152.5           | ...   | All causes . . . . .   | 938,143             | 100.0                   | 957.4             |
| 1   | Malignant neoplasms . . . . .(C00–C97)   | 114,148             | 35.9                    | 773.6             | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 263,638             | 28.1                    | 269.1             |
| 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 77,652              | 24.4                    | 526.3             | 2   | Malignant neoplasms . . . . .(C00–C97)   | 234,392             | 25.0                    | 239.2             |
| 3   | Chronic lower respiratory diseases . . . . .(J40–J47)  | 25,565              | 8.0                     | 173.3             | 3   | Accidents (unintentional injuries) . . . . .(V01–X59,Y85–Y86)  | 53,465              | 5.7                     | 54.6              |
| 4   | Cerebrovascular diseases . . . . .(I60–I69)  | 14,563              | 4.6                     | 98.7              | 4   | Chronic lower respiratory diseases . . . . .(J40–J47)  | 51,909              | 5.5                     | 53.0              |
| 5   | Diabetes mellitus . . . . .(E10–E14)   | 10,875              | 3.4                     | 73.7              | 5   | Cerebrovascular diseases . . . . .(I60–I69)  | 46,087              | 4.9                     | 47.0              |
| 6   | Accidents (unintentional injuries) . . . . .(V01–X59,Y85–Y86)  | 6,532               | 2.1                     | 44.3              | 6   | Diabetes mellitus . . . . .(E10–E14)   | 25,773              | 2.7                     | 26.3              |
| 7   | Influenza and pneumonia . . . . .(J10–J18)   | 4,894               | 1.5                     | 33.2              | 7   | Influenza and pneumonia . . . . .(J10–J18)   | 21,905              | 2.3                     | 22.4              |
| 8   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 4,745               | 1.5                     | 32.2              | 8   | Intentional self-harm (suicide) . . . . .(*U03,X60–X84,Y87.0)  | 21,214              | 2.3                     | 21.6              |
| 9   | Septicemia . . . . .(A40–A41)  | 4,328               | 1.4                     | 29.3              | 9   | Alzheimer's disease . . . . .(G30)   | 16,989              | 1.8                     | 17.3              |
| 10  | Chronic liver disease and cirrhosis . . . . .(K70,K73–K74)   | 4,003               | 1.3                     | 27.1              | 10  | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 15,247              | 1.6                     | 15.6              |
| ...   | All other causes (residual) . . . . .  | 50,301              | 15.8                    | 340.9             | ...   | All other causes (residual) . . . . .  | 187,524             | 20.0                    | 191.4             |
| Non-Hispanic white, both sexes, 75–84 years       |  |                     |                         |                   | Non-Hispanic white, male, 1–4 years               |  |                     |                         |                   |
| ...   | All causes . . . . .   | 582,454             | 100.0                   | 5,337.1           | ...   | All causes . . . . .   | 1,365               | 100.0                   | 29.0              |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 165,259             | 28.4                    | 1,514.3           | 1   | Accidents (unintentional injuries) . . . . .(V01–X59,Y85–Y86)  | 553                 | 40.5                    | 11.8              |
| 2   | Malignant neoplasms . . . . .(C00–C97)   | 142,461             | 24.5                    | 1,305.4           | 2   | Congenital malformations, deformations and chromosomal abnormalities . . . . .(Q00–Q99)                                  | 145                 | 10.6                    | 3.1               |
| 3   | Chronic lower respiratory diseases . . . . .(J40–J47)  | 43,613              | 7.5                     | 399.6             | 3   | Malignant neoplasms . . . . .(C00–C97)   | 134                 | 9.8                     | 2.8               |
| 4   | Cerebrovascular diseases . . . . .(I60–I69)  | 41,670              | 7.2                     | 381.8             | 4   | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 73                  | 5.3                     | 1.6               |
| 5   | Alzheimer's disease . . . . .(G30)   | 19,438              | 3.3                     | 178.1             | 5   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 37                  | 2.7                     | 0.8               |
| 6   | Diabetes mellitus . . . . .(E10–E14)   | 17,220              | 3.0                     | 157.8             | 6   | Influenza and pneumonia . . . . .(J10–J18)   | 23                  | 1.7                     | 0.5               |
| 7   | Influenza and pneumonia . . . . .(J10–J18)   | 15,143              | 2.6                     | 138.8             | 7   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . .(D00–D48)                    | 21                  | 1.5                     | 0.4               |
| 8   | Accidents (unintentional injuries) . . . . .(V01–X59,Y85–Y86)  | 11,774              | 2.0                     | 107.9             | 8   | Certain conditions originating in the perinatal period . . . . .(P00–P96)  | 17                  | 1.2                     | *                 |
| 9   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 11,106              | 1.9                     | 101.8             | 9   | Septicemia . . . . .(A40–A41)  | 15                  | 1.1                     | *                 |
| 10  | Septicemia . . . . .(A40–A41)  | 8,426               | 1.4                     | 77.2              | 9   | Cerebrovascular diseases . . . . .(I60–I69)  | 15                  | 1.1                     | *                 |
| ...   | All other causes (residual) . . . . .  | 106,344             | 18.3                    | 974.4             | ...   | All other causes (residual) . . . . .  | 332                 | 24.3                    | 7.1               |

See footnotes at end of table.

**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                     | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                     | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---------------------------------------|--|---------------------|-------------------------|-------------------|---------------------------------------|--|---------------------|-------------------------|-------------------|
| Non-Hispanic white, male, 5–9 years   |  |                     |                         |                   | Non-Hispanic white, male, 20–24 years |  |                     |                         |                   |
| ...                                   | All causes . . . . .   | 914                 | 100.0                   | 15.2              | ...                                   | All causes . . . . .   | 8,381               | 100.0                   | 126.6             |
| 1                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 377                 | 41.2                    | 6.3               | 1                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 4,563               | 54.4                    | 68.9              |
| 2                                     | Malignant neoplasms . . . . . (C00–C97)  | 188                 | 20.6                    | 3.1               | 2                                     | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 1,574               | 18.8                    | 23.8              |
| 3                                     | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 59                  | 6.5                     | 1.0               | 3                                     | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 401                 | 4.8                     | 6.1               |
| 4                                     | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 25                  | 2.7                     | 0.4               | 4                                     | Malignant neoplasms . . . . . (C00–C97)  | 339                 | 4.0                     | 5.1               |
| 5                                     | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 17                  | 1.9                     | *                 | 5                                     | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 242                 | 2.9                     | 3.7               |
| 6                                     | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 14                  | 1.5                     | *                 | 6                                     | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 70                  | 0.8                     | 1.1               |
| 7                                     | Cerebrovascular diseases . . . . . (I60–I69)   | 13                  | 1.4                     | *                 | 7                                     | Influenza and pneumonia . . . . . (J10–J18)  | 47                  | 0.6                     | 0.7               |
| 8                                     | Septicemia . . . . . (A40–A41)   | 11                  | 1.2                     | *                 | 8                                     | Cerebrovascular diseases . . . . . (I60–I69)   | 42                  | 0.5                     | 0.6               |
| 9                                     | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 8                   | 0.9                     | *                 | 9                                     | Diabetes mellitus . . . . . (E10–E14)  | 33                  | 0.4                     | 0.5               |
| 10                                    | Meningitis . . . . . (G00,G03)   | 6                   | 0.7                     | *                 | 10                                    | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 27                  | 0.3                     | 0.4               |
| 10                                    | Influenza and pneumonia . . . . . (J10–J18)  | 6                   | 0.7                     | *                 | ...                                   | All other causes (residual) . . . . .  | 1,043               | 12.4                    | 15.8              |
| ...                                   | All other causes (residual) . . . . .  | 190                 | 20.8                    | 3.2               | Non-Hispanic white, male, 25–34 years |  |                     |                         |                   |
| Non-Hispanic white, male, 10–14 years |  |                     |                         |                   | ...                                   | All causes . . . . .   | 16,098              | 100.0                   | 130.9             |
| ...                                   | All causes . . . . .   | 1,350               | 100.0                   | 20.4              | 1                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 6,458               | 40.1                    | 52.5              |
| 1                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 614                 | 45.5                    | 9.3               | 2                                     | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 3,064               | 19.0                    | 24.9              |
| 2                                     | Malignant neoplasms . . . . . (C00–C97)  | 151                 | 11.2                    | 2.3               | 3                                     | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 1,194               | 7.4                     | 9.7               |
| 3                                     | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 118                 | 8.7                     | 1.8               | 4                                     | Malignant neoplasms . . . . . (C00–C97)  | 1,144               | 7.1                     | 9.3               |
| 4                                     | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 52                  | 3.9                     | 0.8               | 5                                     | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 672                 | 4.2                     | 5.5               |
| 5                                     | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 50                  | 3.7                     | 0.8               | 6                                     | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 227                 | 1.4                     | 1.8               |
| 6                                     | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 45                  | 3.3                     | 0.7               | 7                                     | Diabetes mellitus . . . . . (E10–E14)  | 191                 | 1.2                     | 1.6               |
| 7                                     | Chronic lower respiratory diseases . . . . . (J40–J47)   | 18                  | 1.3                     | *                 | 8                                     | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 168                 | 1.0                     | 1.4               |
| 8                                     | Influenza and pneumonia . . . . . (J10–J18)  | 16                  | 1.2                     | *                 | 9                                     | Cerebrovascular diseases . . . . . (I60–I69)   | 137                 | 0.9                     | 1.1               |
| 9                                     | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 15                  | 1.1                     | *                 | 10                                    | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 121                 | 0.8                     | 1.0               |
| 10                                    | Cerebrovascular diseases . . . . . (I60–I69)   | 11                  | 0.8                     | *                 | ...                                   | All other causes (residual) . . . . .  | 2,722               | 16.9                    | 22.1              |
| ...                                   | All other causes (residual) . . . . .  | 260                 | 19.3                    | 3.9               | Non-Hispanic white, male, 35–44 years |  |                     |                         |                   |
| Non-Hispanic white, male, 15–19 years |  |                     |                         |                   | ...                                   | All causes . . . . .   | 35,253              | 100.0                   | 235.7             |
| ...                                   | All causes . . . . .   | 5,636               | 100.0                   | 83.4              | 1                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 8,412               | 23.9                    | 56.2              |
| 1                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 3,322               | 58.9                    | 49.2              | 2                                     | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 6,080               | 17.2                    | 40.6              |
| 2                                     | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 961                 | 17.1                    | 14.2              | 3                                     | Malignant neoplasms . . . . . (C00–C97)  | 4,467               | 12.7                    | 29.9              |
| 3                                     | Malignant neoplasms . . . . . (C00–C97)  | 254                 | 4.5                     | 3.8               | 4                                     | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 4,249               | 12.1                    | 28.4              |
| 4                                     | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 223                 | 4.0                     | 3.3               | 5                                     | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 1,259               | 3.6                     | 8.4               |
| 5                                     | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 121                 | 2.1                     | 1.8               | 6                                     | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 1,240               | 3.5                     | 8.3               |
| 6                                     | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 86                  | 1.5                     | 1.3               | 7                                     | Diabetes mellitus . . . . . (E10–E14)  | 795                 | 2.3                     | 5.3               |
| 7                                     | Influenza and pneumonia . . . . . (J10–J18)  | 26                  | 0.5                     | 0.4               | 8                                     | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 751                 | 2.1                     | 5.0               |
| 8                                     | Cerebrovascular diseases . . . . . (I60–I69)   | 21                  | 0.4                     | 0.3               | 9                                     | Cerebrovascular diseases . . . . . (I60–I69)   | 653                 | 1.9                     | 4.4               |
| 8                                     | Chronic lower respiratory diseases . . . . . (J40–J47)   | 21                  | 0.4                     | 0.3               | 10                                    | Influenza and pneumonia . . . . . (J10–J18)  | 300                 | 0.9                     | 2.0               |
| 10                                    | Septicemia . . . . . (A40–A41)   | 17                  | 0.3                     | *                 | ...                                   | All other causes (residual) . . . . .  | 7,047               | 20.0                    | 47.1              |
| ...                                   | All other causes (residual) . . . . .  | 584                 | 10.4                    | 8.6               |                                       |  |                     |                         |                   |

See footnotes at end of table.

**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Non-Hispanic white, male, 45–54 years       |  |                     |                         |                   | Non-Hispanic white, male, 65–74 years       |  |                     |                         |                   |
| ...   | All causes . . . . .   | 77,741              | 100.0                   | 510.5             | ...   | All causes . . . . .   | 178,642             | 100.0                   | 2,617.9           |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 19,329              | 24.9                    | 126.9             | 1   | Malignant neoplasms . . . . . (C00–C97)  | 62,610              | 35.0                    | 917.5             |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 18,556              | 23.9                    | 121.9             | 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 48,417              | 27.1                    | 709.5             |
| 3   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 8,935               | 11.5                    | 58.7              | 3   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 12,865              | 7.2                     | 188.5             |
| 4   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 4,465               | 5.7                     | 29.3              | 4   | Cerebrovascular diseases . . . . . (I60–I69)   | 7,505               | 4.2                     | 110.0             |
| 5   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 3,765               | 4.8                     | 24.7              | 5   | Diabetes mellitus . . . . . (E10–E14)  | 5,984               | 3.3                     | 87.7              |
| 6   | Diabetes mellitus . . . . . (E10–E14)  | 2,184               | 2.8                     | 14.3              | 6   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 4,027               | 2.3                     | 59.0              |
| 7   | Cerebrovascular diseases . . . . . (I60–I69)   | 1,841               | 2.4                     | 12.1              | 7   | Influenza and pneumonia . . . . . (J10–J18)  | 2,750               | 1.5                     | 40.3              |
| 8   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,398               | 1.8                     | 9.2               | 8   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 2,540               | 1.4                     | 37.2              |
| 9   | Viral hepatitis . . . . . (B15–B19)  | 1,132               | 1.5                     | 7.4               | 9   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 2,463               | 1.4                     | 36.1              |
| 10  | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 1,130               | 1.5                     | 7.4               | 10  | Septicemia . . . . . (A40–A41)   | 2,213               | 1.2                     | 32.4              |
| ...   | All other causes (residual) . . . . .  | 15,006              | 19.3                    | 98.5              | ...   | All other causes (residual) . . . . .  | 27,268              | 15.3                    | 399.6             |
| Non-Hispanic white, male, 55–64 years       |  |                     |                         |                   | Non-Hispanic white, male, 75–84 years       |  |                     |                         |                   |
| ...   | All causes . . . . .   | 119,171             | 100.0                   | 1,076.4           | ...   | All causes . . . . .   | 285,752             | 100.0                   | 6,461.5           |
| 1   | Malignant neoplasms . . . . . (C00–C97)  | 41,468              | 34.8                    | 374.6             | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 84,694              | 29.6                    | 1,915.1           |
| 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 33,078              | 27.8                    | 298.8             | 2   | Malignant neoplasms . . . . . (C00–C97)  | 74,178              | 26.0                    | 1,677.3           |
| 3   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 5,126               | 4.3                     | 46.3              | 3   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 21,076              | 7.4                     | 476.6             |
| 4   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 4,955               | 4.2                     | 44.8              | 4   | Cerebrovascular diseases . . . . . (I60–I69)   | 17,553              | 6.1                     | 396.9             |
| 5   | Diabetes mellitus . . . . . (E10–E14)  | 4,128               | 3.5                     | 37.3              | 5   | Diabetes mellitus . . . . . (E10–E14)  | 8,276               | 2.9                     | 187.1             |
| 6   | Cerebrovascular diseases . . . . . (I60–I69)   | 3,447               | 2.9                     | 31.1              | 6   | Influenza and pneumonia . . . . . (J10–J18)  | 7,549               | 2.6                     | 170.7             |
| 7   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 3,387               | 2.8                     | 30.6              | 7   | Alzheimer's disease . . . . . (G30)  | 6,945               | 2.4                     | 157.0             |
| 8   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 2,754               | 2.3                     | 24.9              | 8   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 6,140               | 2.1                     | 138.8             |
| 9   | Influenza and pneumonia . . . . . (J10–J18)  | 1,328               | 1.1                     | 12.0              | 9   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 5,721               | 2.0                     | 129.4             |
| 10  | Septicemia . . . . . (A40–A41)   | 1,299               | 1.1                     | 11.7              | 10  | Parkinson's disease . . . . . (G20–G21)  | 4,864               | 1.7                     | 110.0             |
| ...   | All other causes (residual) . . . . .  | 18,201              | 15.3                    | 164.4             | ...   | All other causes (residual) . . . . .  | 48,756              | 17.1                    | 1,102.5           |
| Non-Hispanic white, male, 65 years and over |  |                     |                         |                   | Non-Hispanic white, male, 85 years and over |  |                     |                         |                   |
| ...   | All causes . . . . .   | 664,751             | 100.0                   | 5,301.1           | ...   | All causes . . . . .   | 200,357             | 100.0                   | 15,489.2          |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 203,361             | 30.6                    | 1,621.7           | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 70,250              | 35.1                    | 5,430.9           |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 167,666             | 25.2                    | 1,337.1           | 2   | Malignant neoplasms . . . . . (C00–C97)  | 30,878              | 15.4                    | 2,387.1           |
| 3   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 44,968              | 6.8                     | 358.6             | 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 14,815              | 7.4                     | 1,145.3           |
| 4   | Cerebrovascular diseases . . . . . (I60–I69)   | 39,873              | 6.0                     | 318.0             | 4   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 11,027              | 5.5                     | 852.5             |
| 5   | Influenza and pneumonia . . . . . (J10–J18)  | 19,238              | 2.9                     | 153.4             | 5   | Influenza and pneumonia . . . . . (J10–J18)  | 8,939               | 4.5                     | 691.1             |
| 6   | Diabetes mellitus . . . . . (E10–E14)  | 18,421              | 2.8                     | 146.9             | 6   | Alzheimer's disease . . . . . (G30)  | 8,451               | 4.2                     | 653.3             |
| 7   | Alzheimer's disease . . . . . (G30)  | 16,731              | 2.5                     | 133.4             | 7   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 4,825               | 2.4                     | 373.0             |
| 8   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 14,912              | 2.2                     | 118.9             | 8   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 4,745               | 2.4                     | 366.8             |
| 9   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 13,086              | 2.0                     | 104.4             | 9   | Diabetes mellitus . . . . . (E10–E14)  | 4,161               | 2.1                     | 321.7             |
| 10  | Parkinson's disease . . . . . (G20–G21)  | 9,233               | 1.4                     | 73.6              | 10  | Pneumonitis due to solids and liquids . . . (J69)  | 3,200               | 1.6                     | 247.4             |
| ...   | All other causes (residual) . . . . .  | 117,262             | 17.6                    | 935.1             | ...   | All other causes (residual) . . . . .  | 39,066              | 19.5                    | 3,020.1           |

See footnotes at end of table.



**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                                 | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                       | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Non-Hispanic white, female, all ages <sup>3</sup> |  |                     |                         |                   | Non-Hispanic white, female, 10–14 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 995,239             | 100.0                   | 977.7             | ...                                     | All causes . . . . .   | 897                 | 100.0                   | 14.3              |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 273,874             | 27.5                    | 269.1             | 1                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 339                 | 37.8                    | 5.4               |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 219,142             | 22.0                    | 215.3             | 2                                       | Malignant neoplasms . . . . . (C00–C97)  | 114                 | 12.7                    | 1.8               |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 74,978              | 7.5                     | 73.7              | 3                                       | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 61                  | 6.8                     | 1.0               |
| 4   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 57,761              | 5.8                     | 56.7              | 4                                       | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 54                  | 6.0                     | 0.9               |
| 5   | Alzheimer's disease . . . . . (G30)  | 42,164              | 4.2                     | 41.4              | 5                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 37                  | 4.1                     | 0.6               |
| 6   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 32,001              | 3.2                     | 31.4              | 6                                       | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 26                  | 2.9                     | 0.4               |
| 7   | Influenza and pneumonia . . . . . (J10–J18)  | 27,551              | 2.8                     | 27.1              | 7                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 15                  | 1.7                     | *                 |
| 8   | Diabetes mellitus . . . . . (E10–E14)  | 26,328              | 2.6                     | 25.9              | 8                                       | Influenza and pneumonia . . . . . (J10–J18)  | 13                  | 1.4                     | *                 |
| 9   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 16,261              | 1.6                     | 16.0              | 9                                       | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 12                  | 1.3                     | *                 |
| 10  | Septicemia . . . . . (A40–A41)   | 13,853              | 1.4                     | 13.6              | 9                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 12                  | 1.3                     | *                 |
| ...   | All other causes (residual) . . . . .  | 211,326             | 21.2                    | 207.6             | 9                                       | All other causes (residual) . . . . .  | 214                 | 23.9                    | 3.4               |
| Non-Hispanic white, female, 1–4 years             |  |                     |                         |                   | Non-Hispanic white, female, 15–19 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 1,093               | 100.0                   | 24.4              | ...                                     | All causes . . . . .   | 2,710               | 100.0                   | 42.4              |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 380                 | 34.8                    | 8.5               | 1                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,589               | 58.6                    | 24.8              |
| 2   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 125                 | 11.4                    | 2.8               | 2                                       | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 250                 | 9.2                     | 3.9               |
| 3   | Malignant neoplasms . . . . . (C00–C97)  | 110                 | 10.1                    | 2.5               | 3                                       | Malignant neoplasms . . . . . (C00–C97)  | 188                 | 6.9                     | 2.9               |
| 4   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 58                  | 5.3                     | 1.3               | 4                                       | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 118                 | 4.4                     | 1.8               |
| 5   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 43                  | 3.9                     | 1.0               | 5                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 70                  | 2.6                     | 1.1               |
| 6   | Influenza and pneumonia . . . . . (J10–J18)  | 32                  | 2.9                     | 0.7               | 6                                       | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 69                  | 2.5                     | 1.1               |
| 7   | Septicemia . . . . . (A40–A41)   | 21                  | 1.9                     | 0.5               | 7                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 18                  | 0.7                     | *                 |
| 8   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 18                  | 1.6                     | *                 | 8                                       | Influenza and pneumonia . . . . . (J10–J18)  | 15                  | 0.6                     | *                 |
| 9   | Cerebrovascular diseases . . . . . (I60–I69)   | 10                  | 0.9                     | *                 | 9                                       | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 14                  | 0.5                     | *                 |
| 10  | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 7                   | 0.6                     | *                 | 10                                      | Septicemia . . . . . (A40–A41)   | 13                  | 0.5                     | *                 |
| ...   | All other causes (residual) . . . . .  | 289                 | 26.4                    | 6.5               | 10                                      | Diabetes mellitus . . . . . (E10–E14)  | 13                  | 0.5                     | *                 |
| Non-Hispanic white, female, 5–9 years             |  |                     |                         |                   | Non-Hispanic white, female, 20–24 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 659                 | 100.0                   | 11.6              | ...                                     | All causes . . . . .   | 2,957               | 100.0                   | 46.3              |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 243                 | 36.9                    | 4.3               | 1                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,373               | 46.4                    | 21.5              |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 134                 | 20.3                    | 2.4               | 2                                       | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 260                 | 8.8                     | 4.1               |
| 3   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 52                  | 7.9                     | 0.9               | 3                                       | Malignant neoplasms . . . . . (C00–C97)  | 235                 | 7.9                     | 3.7               |
| 4   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 23                  | 3.5                     | 0.4               | 4                                       | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 175                 | 5.9                     | 2.7               |
| 5   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 21                  | 3.2                     | 0.4               | 5                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 120                 | 4.1                     | 1.9               |
| 6   | Septicemia . . . . . (A40–A41)   | 12                  | 1.8                     | *                 | 6                                       | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 65                  | 2.2                     | 1.0               |
| 7   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 11                  | 1.7                     | *                 | 7                                       | Pregnancy, childbirth and the puerperium . . . . . (O00–O99)   | 47                  | 1.6                     | 0.7               |
| 8   | Cerebrovascular diseases . . . . . (I60–I69)   | 9                   | 1.4                     | *                 | 8                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 36                  | 1.2                     | 0.6               |
| 9   | Influenza and pneumonia . . . . . (J10–J18)  | 8                   | 1.2                     | *                 | 9                                       | Diabetes mellitus . . . . . (E10–E14)  | 29                  | 1.0                     | 0.5               |
| 10  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 6                   | 0.9                     | *                 | 10                                      | Influenza and pneumonia . . . . . (J10–J18)  | 20                  | 0.7                     | 0.3               |
| ...   | All other causes (residual) . . . . .  | 140                 | 21.2                    | 2.5               | ...                                     | All other causes (residual) . . . . .  | 597                 | 20.2                    | 9.4               |

See footnotes at end of table.



**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                       | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                             | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Non-Hispanic white, female, 25–34 years |  |                     |                         |                   | Non-Hispanic white, female, 55–64 years       |  |                     |                         |                   |
| ...                                     | All causes . . . . .   | 7,299               | 100.0                   | 60.3              | ...   | All causes . . . . .   | 79,671              | 100.0                   | 683.8             |
| 1                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 2,254               | 30.9                    | 18.6              | 1   | Malignant neoplasms . . . . . (C00–C97)  | 34,932              | 43.8                    | 299.8             |
| 2                                       | Malignant neoplasms . . . . . (C00–C97)  | 1,126               | 15.4                    | 9.3               | 2   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 13,856              | 17.4                    | 118.9             |
| 3                                       | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 683                 | 9.4                     | 5.6               | 3   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 5,064               | 6.4                     | 43.5              |
| 4                                       | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 551                 | 7.5                     | 4.6               | 4   | Cerebrovascular diseases . . . . . (I60–I69)   | 2,874               | 3.6                     | 24.7              |
| 5                                       | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 304                 | 4.2                     | 2.5               | 5   | Diabetes mellitus . . . . . (E10–E14)  | 2,837               | 3.6                     | 24.3              |
| 6                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 143                 | 2.0                     | 1.2               | 6   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 2,435               | 3.1                     | 20.9              |
| 7                                       | Diabetes mellitus . . . . . (E10–E14)  | 142                 | 1.9                     | 1.2               | 7   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 1,451               | 1.8                     | 12.5              |
| 8                                       | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 127                 | 1.7                     | 1.1               | 8   | Septicemia . . . . . (A40–A41)   | 1,214               | 1.5                     | 10.4              |
| 9                                       | Pregnancy, childbirth and the puerperium . . . . . (O00–O99)   | 122                 | 1.7                     | 1.0               | 9   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 1,004               | 1.3                     | 8.6               |
| 10                                      | Septicemia . . . . . (A40–A41)   | 87                  | 1.2                     | 0.7               | 10  | Influenza and pneumonia . . . . . (J10–J18)  | 967                 | 1.2                     | 8.3               |
| ...                                     | All other causes (residual) . . . . .  | 1,760               | 24.1                    | 14.6              | ...   | All other causes (residual) . . . . .  | 13,037              | 16.4                    | 111.9             |
| Non-Hispanic white, female, 35–44 years |  |                     |                         |                   | Non-Hispanic white, female, 65 years and over |  |                     |                         |                   |
| ...                                     | All causes . . . . .   | 20,290              | 100.0                   | 136.0             | ...   | All causes . . . . .   | 828,691             | 100.0                   | 4,787.3           |
| 1                                       | Malignant neoplasms . . . . . (C00–C97)  | 5,595               | 27.6                    | 37.5              | 1   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 250,219             | 30.2                    | 1,445.5           |
| 2                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 3,613               | 17.8                    | 24.2              | 2   | Malignant neoplasms . . . . . (C00–C97)  | 159,226             | 19.2                    | 919.8             |
| 3                                       | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 2,331               | 11.5                    | 15.6              | 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 69,731              | 8.4                     | 402.8             |
| 4                                       | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 1,349               | 6.6                     | 9.0               | 4   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 50,971              | 6.2                     | 294.5             |
| 5                                       | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 623                 | 3.1                     | 4.2               | 5   | Alzheimer's disease . . . . . (G30)  | 41,854              | 5.1                     | 241.8             |
| 6                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 603                 | 3.0                     | 4.0               | 6   | Influenza and pneumonia . . . . . (J10–J18)  | 25,628              | 3.1                     | 148.1             |
| 7                                       | Diabetes mellitus . . . . . (E10–E14)  | 443                 | 2.2                     | 3.0               | 7   | Diabetes mellitus . . . . . (E10–E14)  | 21,570              | 2.6                     | 124.6             |
| 8                                       | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 373                 | 1.8                     | 2.5               | 8   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 15,738              | 1.9                     | 90.9              |
| 9                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 313                 | 1.5                     | 2.1               | 9   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 14,561              | 1.8                     | 84.1              |
| 10                                      | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 270                 | 1.3                     | 1.8               | 10  | Septicemia . . . . . (A40–A41)   | 11,568              | 1.4                     | 66.8              |
| ...                                     | All other causes (residual) . . . . .  | 4,777               | 23.5                    | 32.0              | ...   | All other causes (residual) . . . . .  | 167,625             | 20.2                    | 968.4             |
| Non-Hispanic white, female, 45–54 years |  |                     |                         |                   | Non-Hispanic white, female, 65–74 years       |  |                     |                         |                   |
| ...                                     | All causes . . . . .   | 45,296              | 100.0                   | 292.9             | ...   | All causes . . . . .   | 138,964             | 100.0                   | 1,752.0           |
| 1                                       | Malignant neoplasms . . . . . (C00–C97)  | 17,460              | 38.5                    | 112.9             | 1   | Malignant neoplasms . . . . . (C00–C97)  | 51,538              | 37.1                    | 649.8             |
| 2                                       | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 6,529               | 14.4                    | 42.2              | 2   | Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)  | 29,235              | 21.0                    | 368.6             |
| 3                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 3,809               | 8.4                     | 24.6              | 3   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 12,700              | 9.1                     | 160.1             |
| 4                                       | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 1,636               | 3.6                     | 10.6              | 4   | Cerebrovascular diseases . . . . . (I60–I69)   | 7,058               | 5.1                     | 89.0              |
| 5                                       | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 1,565               | 3.5                     | 10.1              | 5   | Diabetes mellitus . . . . . (E10–E14)  | 4,891               | 3.5                     | 61.7              |
| 6                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 1,514               | 3.3                     | 9.8               | 6   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 2,505               | 1.8                     | 31.6              |
| 7                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,297               | 2.9                     | 8.4               | 7   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 2,205               | 1.6                     | 27.8              |
| 8                                       | Diabetes mellitus . . . . . (E10–E14)  | 1,278               | 2.8                     | 8.3               | 8   | Influenza and pneumonia . . . . . (J10–J18)  | 2,144               | 1.5                     | 27.0              |
| 9                                       | Septicemia . . . . . (A40–A41)   | 635                 | 1.4                     | 4.1               | 9   | Septicemia . . . . . (A40–A41)   | 2,115               | 1.5                     | 26.7              |
| 10                                      | Influenza and pneumonia . . . . . (J10–J18)  | 501                 | 1.1                     | 3.2               | 10  | Alzheimer's disease . . . . . (G30)  | 1,772               | 1.3                     | 22.3              |
| ...                                     | All other causes (residual) . . . . .  | 9,072               | 20.0                    | 58.7              | ...   | All other causes (residual) . . . . .  | 22,801              | 16.4                    | 287.5             |

See footnotes at end of table.

**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                                     | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Non-Hispanic white, female, 75–84 years               |  |                     |                         |                   | Non-Hispanic black, both sexes, 1–4 years   |  |                     |                         |                   |
| ...   | All causes . . . . .   | 296,702             | 100.0                   | 4,571.1           | ...   | All causes . . . . .   | 1,128               | 100.0                   | 45.5              |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 80,565              | 27.2                    | 1,241.2           | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 317                 | 28.1                    | 12.8              |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 68,283              | 23.0                    | 1,052.0           | 2   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 154                 | 13.7                    | 6.2               |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 24,117              | 8.1                     | 371.6             | 3   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 127                 | 11.3                    | 5.1               |
| 4   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 22,537              | 7.6                     | 347.2             | 4   | Malignant neoplasms . . . . . (C00–C97)  | 62                  | 5.5                     | 2.5               |
| 5   | Alzheimer's disease . . . . . (G30)  | 12,493              | 4.2                     | 192.5             | 5   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 61                  | 5.4                     | 2.5               |
| 6   | Diabetes mellitus . . . . . (E10–E14)  | 8,944               | 3.0                     | 137.8             | 6   | Influenza and pneumonia . . . . . (J10–J18)  | 34                  | 3.0                     | 1.4               |
| 7   | Influenza and pneumonia . . . . . (J10–J18)  | 7,594               | 2.6                     | 117.0             | 7   | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 23                  | 2.0                     | 0.9               |
| 8   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 5,634               | 1.9                     | 86.8              | 8   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 21                  | 1.9                     | 0.8               |
| 9   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 5,385               | 1.8                     | 83.0              | 9   | Septicemia . . . . . (A40–A41)   | 19                  | 1.7                     | *                 |
| 10  | Septicemia . . . . . (A40–A41)   | 4,512               | 1.5                     | 69.5              | 9   | Anemias . . . . . (D50–D64)  | 19                  | 1.7                     | *                 |
| ...   | All other causes (residual) . . . . .  | 56,638              | 19.1                    | 872.6             | ...   | All other causes (residual) . . . . .  | 291                 | 25.8                    | 11.7              |
| Non-Hispanic white, female, 85 years and over         |  |                     |                         |                   | Non-Hispanic black, both sexes, 5–9 years   |  |                     |                         |                   |
| ...   | All causes . . . . .   | 393,025             | 100.0                   | 13,609.6          | ...   | All causes . . . . .   | 665                 | 100.0                   | 22.3              |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 140,419             | 35.7                    | 4,862.4           | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 262                 | 39.4                    | 8.8               |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 39,405              | 10.0                    | 1,364.5           | 2   | Malignant neoplasms . . . . . (C00–C97)  | 75                  | 11.3                    | 2.5               |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 38,556              | 9.8                     | 1,335.1           | 3   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 45                  | 6.8                     | 1.5               |
| 4   | Alzheimer's disease . . . . . (G30)  | 27,589              | 7.0                     | 955.3             | 4   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 43                  | 6.5                     | 1.4               |
| 5   | Influenza and pneumonia . . . . . (J10–J18)  | 15,890              | 4.0                     | 550.2             | 5   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 27                  | 4.1                     | 0.9               |
| 6   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 15,734              | 4.0                     | 544.8             | 6   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 26                  | 3.9                     | 0.9               |
| 7   | Diabetes mellitus . . . . . (E10–E14)  | 7,735               | 2.0                     | 267.8             | 7   | Anemias . . . . . (D50–D64)  | 12                  | 1.8                     | *                 |
| 8   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 7,599               | 1.9                     | 263.1             | 7   | Influenza and pneumonia . . . . . (J10–J18)  | 12                  | 1.8                     | *                 |
| 9   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 6,971               | 1.8                     | 241.4             | 9   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 9                   | 1.4                     | *                 |
| 10  | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 5,811               | 1.5                     | 201.2             | 10  | Cerebrovascular diseases . . . . . (I60–I69)   | 8                   | 1.2                     | *                 |
| ...   | All other causes (residual) . . . . .  | 87,316              | 22.2                    | 3,023.6           | ...   | All other causes (residual) . . . . .  | 146                 | 22.0                    | 4.9               |
| Non-Hispanic black, both sexes, all ages <sup>3</sup> |  |                     |                         |                   | Non-Hispanic black, both sexes, 10–14 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 283,859             | 100.0                   | 768.8             | ...   | All causes . . . . .   | 886                 | 100.0                   | 26.2              |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 73,373              | 25.8                    | 198.7             | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 295                 | 33.3                    | 8.7               |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 61,842              | 21.8                    | 167.5             | 2   | Malignant neoplasms . . . . . (C00–C97)  | 90                  | 10.2                    | 2.7               |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 17,980              | 6.3                     | 48.7              | 3   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 87                  | 9.8                     | 2.6               |
| 4   | Diabetes mellitus . . . . . (E10–E14)  | 12,685              | 4.5                     | 34.4              | 4   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 52                  | 5.9                     | 1.5               |
| 5   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 12,446              | 4.4                     | 33.7              | 5   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 48                  | 5.4                     | 1.4               |
| 6   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 8,000               | 2.8                     | 21.7              | 6   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 37                  | 4.2                     | 1.1               |
| 7   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 7,759               | 2.7                     | 21.0              | 6   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 37                  | 4.2                     | 1.1               |
| 8   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 7,331               | 2.6                     | 19.9              | 8   | Diabetes mellitus . . . . . (E10–E14)  | 14                  | 1.6                     | *                 |
| 9   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 7,163               | 2.5                     | 19.4              | 9   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 13                  | 1.5                     | *                 |
| 10  | Septicemia . . . . . (A40–A41)   | 5,945               | 2.1                     | 16.1              | 10  | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 12                  | 1.4                     | *                 |
| ...   | All other causes (residual) . . . . .  | 69,335              | 24.4                    | 187.8             | ...   | All other causes (residual) . . . . .  | 201                 | 22.7                    | 6.0               |

See footnotes at end of table.

**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Non-Hispanic black, both sexes, 15–19 years |  |                     |                         |                   | Non-Hispanic black, both sexes, 35–44 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 2,633               | 100.0                   | 83.7              | ...   | All causes . . . . .   | 18,237              | 100.0                   | 332.3             |
| 1   | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 1,030               | 39.1                    | 32.8              | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 3,202               | 17.6                    | 58.3              |
| 2   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 698                 | 26.5                    | 22.2              | 2   | Malignant neoplasms . . . . . (C00–C97)  | 2,649               | 14.5                    | 48.3              |
| 3   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 150                 | 5.7                     | 4.8               | 3   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 2,522               | 13.8                    | 46.0              |
| 4   | Malignant neoplasms . . . . . (C00–C97)  | 123                 | 4.7                     | 3.9               | 4   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 2,072               | 11.4                    | 37.8              |
| 5   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 115                 | 4.4                     | 3.7               | 5   | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 1,276               | 7.0                     | 23.3              |
| 6   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 59                  | 2.2                     | 1.9               | 6   | Cerebrovascular diseases . . . . . (I60–I69)   | 698                 | 3.8                     | 12.7              |
| 7   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 42                  | 1.6                     | 1.3               | 7   | Diabetes mellitus . . . . . (E10–E14)  | 540                 | 3.0                     | 9.8               |
| 8   | Anemias . . . . . (D50–D64)  | 29                  | 1.1                     | 0.9               | 8   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 369                 | 2.0                     | 6.7               |
| 9   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 24                  | 0.9                     | 0.8               | 9   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 316                 | 1.7                     | 5.8               |
| 10  | Diabetes mellitus . . . . . (E10–E14)  | 19                  | 0.7                     | *                 | 10  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 307                 | 1.7                     | 5.6               |
| ...   | All other causes (residual) . . . . .  | 344                 | 13.1                    | 10.9              | ...   | All other causes (residual) . . . . .  | 4,286               | 23.5                    | 78.1              |
| Non-Hispanic black, both sexes, 20–24 years |  |                     |                         |                   | Non-Hispanic black, both sexes, 45–54 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 4,291               | 100.0                   | 143.3             | ...   | All causes . . . . .   | 36,247              | 100.0                   | 760.8             |
| 1   | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 1,741               | 40.6                    | 58.1              | 1   | Malignant neoplasms . . . . . (C00–C97)  | 8,661               | 23.9                    | 181.8             |
| 2   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 916                 | 21.3                    | 30.6              | 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 8,572               | 23.6                    | 179.9             |
| 3   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 300                 | 7.0                     | 10.0              | 3   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 2,423               | 6.7                     | 50.9              |
| 4   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 195                 | 4.5                     | 6.5               | 4   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 2,418               | 6.7                     | 50.7              |
| 5   | Malignant neoplasms . . . . . (C00–C97)  | 184                 | 4.3                     | 6.1               | 5   | Cerebrovascular diseases . . . . . (I60–I69)   | 1,905               | 5.3                     | 40.0              |
| 6   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 117                 | 2.7                     | 3.9               | 6   | Diabetes mellitus . . . . . (E10–E14)  | 1,371               | 3.8                     | 28.8              |
| 7   | Anemias . . . . . (D50–D64)  | 61                  | 1.4                     | 2.0               | 7   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 890                 | 2.5                     | 18.7              |
| 7   | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 61                  | 1.4                     | 2.0               | 8   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 813                 | 2.2                     | 17.1              |
| 9   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 52                  | 1.2                     | 1.7               | 9   | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 732                 | 2.0                     | 15.4              |
| 10  | Diabetes mellitus . . . . . (E10–E14)  | 41                  | 1.0                     | 1.4               | 10  | Septicemia . . . . . (A40–A41)   | 650                 | 1.8                     | 13.6              |
| ...   | All other causes (residual) . . . . .  | 623                 | 14.5                    | 20.8              | ...   | All other causes (residual) . . . . .  | 7,812               | 21.6                    | 164.0             |
| Non-Hispanic black, both sexes, 25–34 years |  |                     |                         |                   | Non-Hispanic black, both sexes, 55–64 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 9,768               | 100.0                   | 186.5             | ...   | All causes . . . . .   | 42,998              | 100.0                   | 1,527.9           |
| 1   | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 2,405               | 24.6                    | 45.9              | 1   | Malignant neoplasms . . . . . (C00–C97)  | 13,149              | 30.6                    | 467.2             |
| 2   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,704               | 17.4                    | 32.5              | 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 11,541              | 26.8                    | 410.1             |
| 3   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 971                 | 9.9                     | 18.5              | 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 2,420               | 5.6                     | 86.0              |
| 4   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 936                 | 9.6                     | 17.9              | 4   | Diabetes mellitus . . . . . (E10–E14)  | 2,304               | 5.4                     | 81.9              |
| 5   | Malignant neoplasms . . . . . (C00–C97)  | 651                 | 6.7                     | 12.4              | 5   | Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)  | 1,283               | 3.0                     | 45.6              |
| 6   | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 510                 | 5.2                     | 9.7               | 6   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,251               | 2.9                     | 44.5              |
| 7   | Diabetes mellitus . . . . . (E10–E14)  | 180                 | 1.8                     | 3.4               | 7   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,101               | 2.6                     | 39.1              |
| 8   | Cerebrovascular diseases . . . . . (I60–I69)   | 173                 | 1.8                     | 3.3               | 8   | Septicemia . . . . . (A40–A41)   | 906                 | 2.1                     | 32.2              |
| 9   | Anemias . . . . . (D50–D64)  | 126                 | 1.3                     | 2.4               | 9   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 841                 | 2.0                     | 29.9              |
| 10  | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 106                 | 1.1                     | 2.0               | 10  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 728                 | 1.7                     | 25.9              |
| ...   | All other causes (residual) . . . . .  | 2,006               | 20.5                    | 38.3              | ...   | All other causes (residual) . . . . .  | 7,474               | 17.4                    | 265.6             |

See footnotes at end of table.

**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                                 | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                                 | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Non-Hispanic black, both sexes, 65 years and over |  |                     |                         |                   | Non-Hispanic black, both sexes, 85 years and over |  |                     |                         |                   |
| ...   | All causes . . . . .   | 158,751             | 100.0                   | 5,282.6           | ...   | All causes . . . . .   | 46,877              | 100.0                   | 13,492.2          |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 48,529              | 30.6                    | 1,614.8           | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 16,018              | 34.2                    | 4,610.3           |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 36,190              | 22.8                    | 1,204.3           | 2   | Malignant neoplasms . . . . . (C00–C97)  | 6,234               | 13.3                    | 1,794.3           |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 12,666              | 8.0                     | 421.5             | 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 4,260               | 9.1                     | 1,226.1           |
| 4   | Diabetes mellitus . . . . . (E10–E14)  | 8,211               | 5.2                     | 273.2             | 4   | Alzheimer's disease . . . . . (G30)  | 2,317               | 4.9                     | 666.9             |
| 5   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 5,141               | 3.2                     | 171.1             | 5   | Diabetes mellitus . . . . . (E10–E14)  | 1,864               | 4.0                     | 536.5             |
| 6   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 5,113               | 3.2                     | 170.1             | 6   | Influenza and pneumonia . . . . . (J10–J18)  | 1,778               | 3.8                     | 511.7             |
| 7   | Influenza and pneumonia . . . . . (J10–J18)  | 4,167               | 2.6                     | 138.7             | 7   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 1,519               | 3.2                     | 437.2             |
| 8   | Alzheimer's disease . . . . . (G30)  | 4,154               | 2.6                     | 138.2             | 8   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 1,180               | 2.5                     | 339.6             |
| 9   | Septicemia . . . . . (A40–A41)   | 3,865               | 2.4                     | 128.6             | 9   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,167               | 2.5                     | 335.9             |
| 10  | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 3,284               | 2.1                     | 109.3             | 10  | Septicemia . . . . . (A40–A41)   | 1,128               | 2.4                     | 324.7             |
| ...   | All other causes (residual) . . . . .  | 27,431              | 17.3                    | 912.8             | ...   | All other causes (residual) . . . . .  | 9,412               | 20.1                    | 2,709.0           |
| Non-Hispanic black, both sexes, 65–74 years       |  |                     |                         |                   | Non-Hispanic black, male, all ages <sup>3</sup>   |  |                     |                         |                   |
| ...   | All causes . . . . .   | 51,126              | 100.0                   | 3,032.3           | ...   | All causes . . . . .   | 144,022             | 100.0                   | 818.7             |
| 1   | Malignant neoplasms . . . . . (C00–C97)  | 15,712              | 30.7                    | 931.9             | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 35,749              | 24.8                    | 203.2             |
| 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 14,372              | 28.1                    | 852.4             | 2   | Malignant neoplasms . . . . . (C00–C97)  | 32,089              | 22.3                    | 182.4             |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 3,362               | 6.6                     | 199.4             | 3   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 8,430               | 5.9                     | 47.9              |
| 4   | Diabetes mellitus . . . . . (E10–E14)  | 3,078               | 6.0                     | 182.6             | 4   | Cerebrovascular diseases . . . . . (I60–I69)   | 7,586               | 5.3                     | 43.1              |
| 5   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,751               | 3.4                     | 103.9             | 5   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 6,730               | 4.7                     | 38.3              |
| 6   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 1,629               | 3.2                     | 96.6              | 6   | Diabetes mellitus . . . . . (E10–E14)  | 5,498               | 3.8                     | 31.3              |
| 7   | Septicemia . . . . . (A40–A41)   | 1,203               | 2.4                     | 71.4              | 7   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 4,693               | 3.3                     | 26.7              |
| 8   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 890                 | 1.7                     | 52.8              | 8   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 4,010               | 2.8                     | 22.8              |
| 9   | Influenza and pneumonia . . . . . (J10–J18)  | 850                 | 1.7                     | 50.4              | 9   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 3,505               | 2.4                     | 19.9              |
| 10  | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 818                 | 1.6                     | 48.5              | 10  | Influenza and pneumonia . . . . . (J10–J18)  | 2,729               | 1.9                     | 15.5              |
| ...   | All other causes (residual) . . . . .  | 7,461               | 14.6                    | 442.5             | ...   | All other causes (residual) . . . . .  | 33,003              | 22.9                    | 187.6             |
| Non-Hispanic black, both sexes, 75–84 years       |  |                     |                         |                   | Non-Hispanic black, male, 1–4 years               |  |                     |                         |                   |
| ...   | All causes . . . . .   | 60,748              | 100.0                   | 6,251.7           | ...   | All causes . . . . .   | 623                 | 100.0                   | 49.5              |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 18,139              | 29.9                    | 1,866.7           | 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 182                 | 29.2                    | 14.4              |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 14,244              | 23.4                    | 1,465.9           | 2   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 79                  | 12.7                    | 6.3               |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 5,044               | 8.3                     | 519.1             | 3   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 74                  | 11.9                    | 5.9               |
| 4   | Diabetes mellitus . . . . . (E10–E14)  | 3,269               | 5.4                     | 336.4             | 4   | Malignant neoplasms . . . . . (C00–C97)  | 35                  | 5.6                     | 2.8               |
| 5   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 2,195               | 3.6                     | 225.9             | 5   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 32                  | 5.1                     | 2.5               |
| 6   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 1,993               | 3.3                     | 205.1             | 6   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 14                  | 2.2                     | *                 |
| 7   | Influenza and pneumonia . . . . . (J10–J18)  | 1,539               | 2.5                     | 158.4             | 7   | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 13                  | 2.1                     | *                 |
| 8   | Septicemia . . . . . (A40–A41)   | 1,534               | 2.5                     | 157.9             | 8   | Anemias . . . . . (D50–D64)  | 12                  | 1.9                     | *                 |
| 9   | Alzheimer's disease . . . . . (G30)  | 1,510               | 2.5                     | 155.4             | 8   | Influenza and pneumonia . . . . . (J10–J18)  | 12                  | 1.9                     | *                 |
| 10  | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 1,214               | 2.0                     | 124.9             | 10  | Septicemia . . . . . (A40–A41)   | 9                   | 1.4                     | *                 |
| ...   | All other causes (residual) . . . . .  | 10,067              | 16.6                    | 1,036.0           | ...   | All other causes (residual) . . . . .  | 161                 | 25.8                    | 12.8              |

See footnotes at end of table.



**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                     | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                     | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---------------------------------------|--|---------------------|-------------------------|-------------------|---------------------------------------|--|---------------------|-------------------------|-------------------|
| Non-Hispanic black, male, 5–9 years   |  |                     |                         |                   | Non-Hispanic black, male, 20–24 years |  |                     |                         |                   |
| ...                                   | All causes . . . . .   | 361                 | 100.0                   | 23.8              | ...                                   | All causes . . . . .   | 3,253               | 100.0                   | 216.9             |
| 1                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 163                 | 45.2                    | 10.8              | 1                                     | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 1,588               | 48.8                    | 105.9             |
| 2                                     | Malignant neoplasms . . . . . (C00–C97)  | 38                  | 10.5                    | 2.5               | 2                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 682                 | 21.0                    | 45.5              |
| 3                                     | Chronic lower respiratory diseases . . . . . (J40–J47)   | 21                  | 5.8                     | 1.4               | 3                                     | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 262                 | 8.1                     | 17.5              |
| 3                                     | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 21                  | 5.8                     | 1.4               | 4                                     | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 125                 | 3.8                     | 8.3               |
| 5                                     | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 19                  | 5.3                     | *                 | 5                                     | Malignant neoplasms . . . . . (C00–C97)  | 106                 | 3.3                     | 7.1               |
| 6                                     | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 10                  | 2.8                     | *                 | 6                                     | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 60                  | 1.8                     | 4.0               |
| 7                                     | Influenza and pneumonia . . . . . (J10–J18)  | 8                   | 2.2                     | *                 | 7                                     | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 40                  | 1.2                     | 2.7               |
| 8                                     | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 4                   | 1.1                     | *                 | 8                                     | Anemias . . . . . (D50–D64)  | 30                  | 0.9                     | 2.0               |
| 8                                     | Anemias . . . . . (D50–D64)  | 4                   | 1.1                     | *                 | 9                                     | Chronic lower respiratory diseases . . . . . (J40–J47)   | 21                  | 0.6                     | 1.4               |
| 8                                     | Cerebrovascular diseases . . . . . (I60–I69)   | 4                   | 1.1                     | *                 | 10                                    | Cerebrovascular diseases . . . . . (I60–I69)   | 17                  | 0.5                     | *                 |
| ...                                   | All other causes (residual) . . . . .  | 69                  | 19.1                    | 4.6               | 10                                    | Legal intervention . . . . . (Y35,Y89.0)   | 17                  | 0.5                     | *                 |
| Non-Hispanic black, male, 10–14 years |  |                     |                         |                   | Non-Hispanic black, male, 25–34 years |  |                     |                         |                   |
| ...                                   | All causes . . . . .   | 509                 | 100.0                   | 29.7              | ...                                   | All causes . . . . .   | 6,564               | 100.0                   | 262.1             |
| 1                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 180                 | 35.4                    | 10.5              | 1                                     | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 2,130               | 32.4                    | 85.1              |
| 2                                     | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 60                  | 11.8                    | 3.5               | 2                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,303               | 19.9                    | 52.0              |
| 3                                     | Malignant neoplasms . . . . . (C00–C97)  | 44                  | 8.6                     | 2.6               | 3                                     | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 588                 | 9.0                     | 23.5              |
| 4                                     | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 29                  | 5.7                     | 1.7               | 4                                     | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 501                 | 7.6                     | 20.0              |
| 5                                     | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 25                  | 4.9                     | 1.5               | 5                                     | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 420                 | 6.4                     | 16.8              |
| 6                                     | Chronic lower respiratory diseases . . . . . (J40–J47)   | 23                  | 4.5                     | 1.3               | 6                                     | Malignant neoplasms . . . . . (C00–C97)  | 254                 | 3.9                     | 10.1              |
| 7                                     | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 19                  | 3.7                     | *                 | 7                                     | Diabetes mellitus . . . . . (E10–E14)  | 101                 | 1.5                     | 4.0               |
| 8                                     | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 8                   | 1.6                     | *                 | 8                                     | Cerebrovascular diseases . . . . . (I60–I69)   | 77                  | 1.2                     | 3.1               |
| 8                                     | Anemias . . . . . (D50–D64)  | 8                   | 1.6                     | *                 | 9                                     | Anemias . . . . . (D50–D64)  | 70                  | 1.1                     | 2.8               |
| 10                                    | Diabetes mellitus . . . . . (E10–E14)  | 7                   | 1.4                     | *                 | 10                                    | Chronic lower respiratory diseases . . . . . (J40–J47)   | 66                  | 1.0                     | 2.6               |
| ...                                   | All other causes (residual) . . . . .  | 106                 | 20.8                    | 6.2               | ...                                   | All other causes (residual) . . . . .  | 1,054               | 16.1                    | 42.1              |
| Non-Hispanic black, male, 15–19 years |  |                     |                         |                   | Non-Hispanic black, male, 35–44 years |  |                     |                         |                   |
| ...                                   | All causes . . . . .   | 1,986               | 100.0                   | 124.6             | ...                                   | All causes . . . . .   | 10,552              | 100.0                   | 409.3             |
| 1                                     | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 907                 | 45.7                    | 56.9              | 1                                     | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1,936               | 18.3                    | 75.1              |
| 2                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 509                 | 25.6                    | 31.9              | 2                                     | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 1,601               | 15.2                    | 62.1              |
| 3                                     | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 120                 | 6.0                     | 7.5               | 3                                     | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,434               | 13.6                    | 55.6              |
| 4                                     | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 77                  | 3.9                     | 4.8               | 4                                     | Malignant neoplasms . . . . . (C00–C97)  | 1,025               | 9.7                     | 39.8              |
| 5                                     | Malignant neoplasms . . . . . (C00–C97)  | 68                  | 3.4                     | 4.3               | 5                                     | Assault (homicide) .(*U01–*U02,X85–Y09,Y87.1)  | 1,005               | 9.5                     | 39.0              |
| 6                                     | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 33                  | 1.7                     | 2.1               | 6                                     | Cerebrovascular diseases . . . . . (I60–I69)   | 344                 | 3.3                     | 13.3              |
| 7                                     | Chronic lower respiratory diseases . . . . . (J40–J47)   | 27                  | 1.4                     | 1.7               | 7                                     | Diabetes mellitus . . . . . (E10–E14)  | 314                 | 3.0                     | 12.2              |
| 8                                     | Anemias . . . . . (D50–D64)  | 20                  | 1.0                     | 1.3               | 8                                     | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 293                 | 2.8                     | 11.4              |
| 9                                     | Diabetes mellitus . . . . . (E10–E14)  | 14                  | 0.7                     | *                 | 9                                     | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 197                 | 1.9                     | 7.6               |
| 10                                    | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 13                  | 0.7                     | *                 | 10                                    | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 166                 | 1.6                     | 6.4               |
| 10                                    | Cerebrovascular diseases . . . . . (I60–I69)   | 13                  | 0.7                     | *                 | ...                                   | All other causes (residual) . . . . .  | 2,237               | 21.2                    | 86.8              |
| ...                                   | All other causes (residual) . . . . .  | 185                 | 9.3                     | 11.6              |                                       |  |                     |                         |                   |

See footnotes at end of table.



**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Non-Hispanic black, male, 45–54 years       |  |                     |                         |                   | Non-Hispanic black, male, 65–74 years       |  |                     |                         |                   |
| ...   | All causes . . . . .   | 21,449              | 100.0                   | 974.9             | ...   | All causes . . . . .   | 27,228              | 100.0                   | 3,880.2           |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 5,393               | 25.1                    | 245.1             | 1   | Malignant neoplasms . . . . . (C00–C97)  | 8,642               | 31.7                    | 1,231.5           |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 4,439               | 20.7                    | 201.8             | 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 7,798               | 28.6                    | 1,111.3           |
| 3   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,714               | 8.0                     | 77.9              | 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 1,685               | 6.2                     | 240.1             |
| 4   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 1,679               | 7.8                     | 76.3              | 4   | Diabetes mellitus . . . . . (E10–E14)  | 1,417               | 5.2                     | 201.9             |
| 5   | Cerebrovascular diseases . . . . . (I60–I69)   | 1,012               | 4.7                     | 46.0              | 5   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,000               | 3.7                     | 142.5             |
| 6   | Diabetes mellitus . . . . . (E10–E14)  | 748                 | 3.5                     | 34.0              | 6   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 771                 | 2.8                     | 109.9             |
| 7   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 608                 | 2.8                     | 27.6              | 7   | Septicemia . . . . . (A40–A41)   | 582                 | 2.1                     | 82.9              |
| 8   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 574                 | 2.7                     | 26.1              | 8   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 520                 | 1.9                     | 74.1              |
| 9   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 474                 | 2.2                     | 21.5              | 9   | Influenza and pneumonia . . . . . (J10–J18)  | 514                 | 1.9                     | 73.2              |
| 10  | Septicemia . . . . . (A40–A41)   | 334                 | 1.6                     | 15.2              | 10  | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 404                 | 1.5                     | 57.6              |
| ...   | All other causes (residual) . . . . .  | 4,474               | 20.9                    | 203.3             | ...   | All other causes (residual) . . . . .  | 3,895               | 14.3                    | 555.1             |
| Non-Hispanic black, male, 55–64 years       |  |                     |                         |                   | Non-Hispanic black, male, 75–84 years       |  |                     |                         |                   |
| ...   | All causes . . . . .   | 25,050              | 100.0                   | 1,998.6           | ...   | All causes . . . . .   | 27,394              | 100.0                   | 7,813.2           |
| 1   | Malignant neoplasms . . . . . (C00–C97)  | 7,276               | 29.0                    | 580.5             | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 7,931               | 29.0                    | 2,262.0           |
| 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 7,149               | 28.5                    | 570.4             | 2   | Malignant neoplasms . . . . . (C00–C97)  | 7,422               | 27.1                    | 2,116.9           |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 1,381               | 5.5                     | 110.2             | 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 1,959               | 7.2                     | 558.7             |
| 4   | Diabetes mellitus . . . . . (E10–E14)  | 1,171               | 4.7                     | 93.4              | 4   | Diabetes mellitus . . . . . (E10–E14)  | 1,207               | 4.4                     | 344.3             |
| 5   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 901                 | 3.6                     | 71.9              | 5   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 1,200               | 4.4                     | 342.3             |
| 6   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 644                 | 2.6                     | 51.4              | 6   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 827                 | 3.0                     | 235.9             |
| 7   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 640                 | 2.6                     | 51.1              | 7   | Influenza and pneumonia . . . . . (J10–J18)  | 775                 | 2.8                     | 221.0             |
| 8   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 637                 | 2.5                     | 50.8              | 8   | Septicemia . . . . . (A40–A41)   | 675                 | 2.5                     | 192.5             |
| 9   | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 501                 | 2.0                     | 40.0              | 9   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 488                 | 1.8                     | 139.2             |
| 10  | Septicemia . . . . . (A40–A41)   | 465                 | 1.9                     | 37.1              | 10  | Alzheimer's disease . . . . . (G30)  | 486                 | 1.8                     | 138.6             |
| ...   | All other causes (residual) . . . . .  | 4,285               | 17.1                    | 341.9             | ...   | All other causes (residual) . . . . .  | 4,424               | 16.1                    | 1,261.8           |
| Non-Hispanic black, male, 65 years and over |  |                     |                         |                   | Non-Hispanic black, male, 85 years and over |  |                     |                         |                   |
| ...   | All causes . . . . .   | 69,037              | 100.0                   | 5,999.3           | ...   | All causes . . . . .   | 14,415              | 100.0                   | 14,647.3          |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 20,350              | 29.5                    | 1,768.4           | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 4,621               | 32.1                    | 4,695.5           |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 18,801              | 27.2                    | 1,633.8           | 2   | Malignant neoplasms . . . . . (C00–C97)  | 2,737               | 19.0                    | 2,781.1           |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 4,704               | 6.8                     | 408.8             | 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 1,060               | 7.4                     | 1,077.1           |
| 4   | Diabetes mellitus . . . . . (E10–E14)  | 3,124               | 4.5                     | 271.5             | 4   | Influenza and pneumonia . . . . . (J10–J18)  | 598                 | 4.1                     | 607.6             |
| 5   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 2,760               | 4.0                     | 239.8             | 5   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 560                 | 3.9                     | 569.0             |
| 6   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 2,110               | 3.1                     | 183.4             | 6   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 512                 | 3.6                     | 520.3             |
| 7   | Influenza and pneumonia . . . . . (J10–J18)  | 1,887               | 2.7                     | 164.0             | 7   | Diabetes mellitus . . . . . (E10–E14)  | 500                 | 3.5                     | 508.1             |
| 8   | Septicemia . . . . . (A40–A41)   | 1,598               | 2.3                     | 138.9             | 8   | Alzheimer's disease . . . . . (G30)  | 499                 | 3.5                     | 507.0             |
| 9   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 1,202               | 1.7                     | 104.5             | 9   | Septicemia . . . . . (A40–A41)   | 341                 | 2.4                     | 346.5             |
| 10  | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 1,156               | 1.7                     | 100.5             | 10  | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 264                 | 1.8                     | 268.3             |
| ...   | All other causes (residual) . . . . .  | 11,345              | 16.4                    | 985.9             | ...   | All other causes (residual) . . . . .  | 2,723               | 18.9                    | 2,766.9           |

See footnotes at end of table.

**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*; see "Technical Notes"]

| Rank <sup>1</sup>                                 | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                       | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Non-Hispanic black, female, all ages <sup>3</sup> |  |                     |                         |                   | Non-Hispanic black, female, 10–14 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 139,837             | 100.0                   | 723.4             | ...                                     | All causes . . . . .   | 377                 | 100.0                   | 22.7              |
| 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 37,624              | 26.9                    | 194.6             | 1                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 115                 | 30.5                    | 6.9               |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 29,753              | 21.3                    | 153.9             | 2                                       | Malignant neoplasms . . . . . (C00–C97)  | 46                  | 12.2                    | 2.8               |
| 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 10,394              | 7.4                     | 53.8              | 3                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 27                  | 7.2                     | 1.6               |
| 4   | Diabetes mellitus . . . . . (E10–E14)  | 7,187               | 5.1                     | 37.2              | 3                                       | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 27                  | 7.2                     | 1.6               |
| 5   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 4,254               | 3.0                     | 22.0              | 5                                       | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 19                  | 5.0                     | *                 |
| 6   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 4,016               | 2.9                     | 20.8              | 6                                       | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 18                  | 4.8                     | *                 |
| 7   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 3,321               | 2.4                     | 17.2              | 7                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 14                  | 3.7                     | *                 |
| 8   | Septicemia . . . . . (A40–A41)   | 3,285               | 2.3                     | 17.0              | 8                                       | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 8                   | 2.1                     | *                 |
| 9   | Alzheimer's disease . . . . . (G30)  | 3,058               | 2.2                     | 15.8              | 9                                       | Diabetes mellitus . . . . . (E10–E14)  | 7                   | 1.9                     | *                 |
| 10  | Influenza and pneumonia . . . . . (J10–J18)  | 2,891               | 2.1                     | 15.0              | 10                                      | Septicemia . . . . . (A40–A41)   | 4                   | 1.1                     | *                 |
| ...   | All other causes (residual) . . . . .  | 34,054              | 24.4                    | 176.2             | 10                                      | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 4                   | 1.1                     | *                 |
| Non-Hispanic black, female, 1–4 years             |  |                     |                         |                   | Non-Hispanic black, female, 15–19 years |  |                     |                         |                   |
| ...   | All causes . . . . .   | 505                 | 100.0                   | 41.3              | ...                                     | All causes . . . . .   | 647                 | 100.0                   | 41.7              |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 135                 | 26.7                    | 11.1              | 1                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 189                 | 29.2                    | 12.2              |
| 2   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 75                  | 14.9                    | 6.1               | 2                                       | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 123                 | 19.0                    | 7.9               |
| 3   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 53                  | 10.5                    | 4.3               | 3                                       | Malignant neoplasms . . . . . (C00–C97)  | 55                  | 8.5                     | 3.5               |
| 4   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 29                  | 5.7                     | 2.4               | 4                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 38                  | 5.9                     | 2.5               |
| 5   | Malignant neoplasms . . . . . (C00–C97)  | 27                  | 5.3                     | 2.2               | 5                                       | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 30                  | 4.6                     | 1.9               |
| 6   | Influenza and pneumonia . . . . . (J10–J18)  | 22                  | 4.4                     | 1.8               | 6                                       | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 26                  | 4.0                     | 1.7               |
| 7   | Septicemia . . . . . (A40–A41)   | 10                  | 2.0                     | *                 | 7                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 15                  | 2.3                     | *                 |
| 7   | Certain conditions originating in the perinatal period . . . . . (P00–P96)   | 10                  | 2.0                     | *                 | 8                                       | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 12                  | 1.9                     | *                 |
| 9   | Anemias . . . . . (D50–D64)  | 7                   | 1.4                     | *                 | 9                                       | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 11                  | 1.7                     | *                 |
| 9   | Cerebrovascular diseases . . . . . (I60–I69)   | 7                   | 1.4                     | *                 | 10                                      | Anemias . . . . . (D50–D64)  | 9                   | 1.4                     | *                 |
| 9   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 7                   | 1.4                     | *                 | ...                                     | All other causes (residual) . . . . .  | 139                 | 21.5                    | 9.0               |
| ...   | All other causes (residual) . . . . .  | 123                 | 24.4                    | 10.1              |   |  |                     |                         |                   |
| Non-Hispanic black, female, 5–9 years             |  |                     |                         |                   |   |  |                     |                         |                   |
| ...   | All causes . . . . .   | 304                 | 100.0                   | 20.7              |   |  |                     |                         |                   |
| 1   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 99                  | 32.6                    | 6.8               |   |  |                     |                         |                   |
| 2   | Malignant neoplasms . . . . . (C00–C97)  | 37                  | 12.2                    | 2.5               |   |  |                     |                         |                   |
| 3   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                                 | 26                  | 8.6                     | 1.8               |   |  |                     |                         |                   |
| 4   | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 22                  | 7.2                     | 1.5               |   |  |                     |                         |                   |
| 5   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 16                  | 5.3                     | *                 |   |  |                     |                         |                   |
| 6   | Anemias . . . . . (D50–D64)  | 8                   | 2.6                     | *                 |   |  |                     |                         |                   |
| 7   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 6                   | 2.0                     | *                 |   |  |                     |                         |                   |
| 8   | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)                   | 5                   | 1.6                     | *                 |   |  |                     |                         |                   |
| 9   | Septicemia . . . . . (A40–A41)   | 4                   | 1.3                     | *                 |   |  |                     |                         |                   |
| 9   | Cerebrovascular diseases . . . . . (I60–I69)   | 4                   | 1.3                     | *                 |   |  |                     |                         |                   |
| 9   | Influenza and pneumonia . . . . . (J10–J18)  | 4                   | 1.3                     | *                 |   |  |                     |                         |                   |
| ...   | All other causes (residual) . . . . .  | 73                  | 24.0                    | 5.0               |   |  |                     |                         |                   |

See footnotes at end of table.

**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates per 100,000 population in specified group. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for Hispanic origin should be interpreted with caution because of misreporting of Hispanic origin on the death certificate; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                       | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                             | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Non-Hispanic black, female, 20–24 years |  |                     |                         |                   | Non-Hispanic black, female, 45–54 years       |  |                     |                         |                   |
| ...                                     | All causes . . . . .   | 1,038               | 100.0                   | 69.4              | ...   | All causes . . . . .   | 14,798              | 100.0                   | 577.0             |
| 1                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 234                 | 22.5                    | 15.6              | 1   | Malignant neoplasms . . . . . (C00–C97)  | 4,222               | 28.5                    | 164.6             |
| 2                                       | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 153                 | 14.7                    | 10.2              | 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 3,179               | 21.5                    | 124.0             |
| 3                                       | Malignant neoplasms . . . . . (C00–C97)  | 78                  | 7.5                     | 5.2               | 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 893                 | 6.0                     | 34.8              |
| 4                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 70                  | 6.7                     | 4.7               | 4   | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 744                 | 5.0                     | 29.0              |
| 5                                       | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 61                  | 5.9                     | 4.1               | 5   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 704                 | 4.8                     | 27.5              |
| 6                                       | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 57                  | 5.5                     | 3.8               | 6   | Diabetes mellitus . . . . . (E10–E14)  | 623                 | 4.2                     | 24.3              |
| 7                                       | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 38                  | 3.7                     | 2.5               | 7   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 339                 | 2.3                     | 13.2              |
| 8                                       | Anemias . . . . . (D50–D64)  | 31                  | 3.0                     | 2.1               | 8   | Septicemia . . . . . (A40–A41)   | 316                 | 2.1                     | 12.3              |
| 9                                       | Diabetes mellitus . . . . . (E10–E14)  | 25                  | 2.4                     | 1.7               | 9   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 304                 | 2.1                     | 11.9              |
| 10                                      | Septicemia . . . . . (A40–A41)   | 16                  | 1.5                     | *                 | 10  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 282                 | 1.9                     | 11.0              |
| 10                                      | Chronic lower respiratory diseases . . . . . (J40–J47)   | 16                  | 1.5                     | *                 | ...   | All other causes (residual) . . . . .  | 3,192               | 21.6                    | 124.5             |
| ...                                     | All other causes (residual) . . . . .  | 259                 | 25.0                    | 17.3              | Non-Hispanic black, female, 55–64 years       |  |                     |                         |                   |
| Non-Hispanic black, female, 25–34 years |  |                     |                         |                   | ...   | All causes . . . . .   | 17,948              | 100.0                   | 1,149.9           |
| ...                                     | All causes . . . . .   | 3,204               | 100.0                   | 117.2             | 1   | Malignant neoplasms . . . . . (C00–C97)  | 5,873               | 32.7                    | 376.3             |
| 1                                       | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 435                 | 13.6                    | 15.9              | 2   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 4,392               | 24.5                    | 281.4             |
| 2                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 401                 | 12.5                    | 14.7              | 3   | Diabetes mellitus . . . . . (E10–E14)  | 1,133               | 6.3                     | 72.6              |
| 3                                       | Malignant neoplasms . . . . . (C00–C97)  | 397                 | 12.4                    | 14.5              | 4   | Cerebrovascular diseases . . . . . (I60–I69)   | 1,039               | 5.8                     | 66.6              |
| 4                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 383                 | 12.0                    | 14.0              | 5   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 643                 | 3.6                     | 41.2              |
| 5                                       | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 275                 | 8.6                     | 10.1              | 6   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 457                 | 2.5                     | 29.3              |
| 6                                       | Pregnancy, childbirth and the puerperium . . . . . (O00–099)   | 106                 | 3.3                     | 3.9               | 7   | Septicemia . . . . . (A40–A41)   | 441                 | 2.5                     | 28.3              |
| 7                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 96                  | 3.0                     | 3.5               | 8   | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 350                 | 2.0                     | 22.4              |
| 8                                       | Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)   | 90                  | 2.8                     | 3.3               | 9   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 324                 | 1.8                     | 20.8              |
| 9                                       | Diabetes mellitus . . . . . (E10–E14)  | 79                  | 2.5                     | 2.9               | 10  | Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)  | 227                 | 1.3                     | 14.5              |
| 10                                      | Anemias . . . . . (D50–D64)  | 56                  | 1.7                     | 2.0               | ...   | All other causes (residual) . . . . .  | 3,069               | 17.1                    | 196.6             |
| ...                                     | All other causes (residual) . . . . .  | 886                 | 27.7                    | 32.4              | Non-Hispanic black, female, 65 years and over |  |                     |                         |                   |
| Non-Hispanic black, female, 35–44 years |  |                     |                         |                   | ...   | All causes . . . . .   | 89,714              | 100.0                   | 4,837.8           |
| ...                                     | All causes . . . . .   | 7,685               | 100.0                   | 264.1             | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 28,179              | 31.4                    | 1,519.5           |
| 1                                       | Malignant neoplasms . . . . . (C00–C97)  | 1,624               | 21.1                    | 55.8              | 2   | Malignant neoplasms . . . . . (C00–C97)  | 17,389              | 19.4                    | 937.7             |
| 2                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 1,266               | 16.5                    | 43.5              | 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 7,962               | 8.9                     | 429.3             |
| 3                                       | Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)   | 921                 | 12.0                    | 31.6              | 4   | Diabetes mellitus . . . . . (E10–E14)  | 5,087               | 5.7                     | 274.3             |
| 4                                       | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 638                 | 8.3                     | 21.9              | 5   | Alzheimer's disease . . . . . (G30)  | 3,033               | 3.4                     | 163.6             |
| 5                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 354                 | 4.6                     | 12.2              | 6   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 3,031               | 3.4                     | 163.4             |
| 6                                       | Assault (homicide) . (*U01–*U02,X85–Y09,Y87.1)   | 271                 | 3.5                     | 9.3               | 7   | Chronic lower respiratory diseases . . . . . (J40–J47)   | 2,353               | 2.6                     | 126.9             |
| 7                                       | Diabetes mellitus . . . . . (E10–E14)  | 226                 | 2.9                     | 7.8               | 8   | Influenza and pneumonia . . . . . (J10–J18)  | 2,280               | 2.5                     | 122.9             |
| 8                                       | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 150                 | 2.0                     | 5.2               | 9   | Septicemia . . . . . (A40–A41)   | 2,267               | 2.5                     | 122.2             |
| 9                                       | Septicemia . . . . . (A40–A41)   | 130                 | 1.7                     | 4.5               | 10  | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 2,128               | 2.4                     | 114.8             |
| 10                                      | Chronic lower respiratory diseases . . . . . (J40–J47)   | 113                 | 1.5                     | 3.9               | ...   | All other causes (residual) . . . . .  | 16,005              | 17.8                    | 863.1             |
| ...                                     | All other causes (residual) . . . . .  | 1,992               | 25.9                    | 68.4              |   |  |                     |                         |                   |

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**Table 2. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

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| Rank <sup>1</sup>                       | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> | Rank <sup>1</sup>                             | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, sex, and age | Number <sup>2</sup> | Percent of total deaths | Rate <sup>2</sup> |
|---|--|---------------------|-------------------------|-------------------|---|--|---------------------|-------------------------|-------------------|
| Non-Hispanic black, female, 65–74 years |  |                     |                         |                   | Non-Hispanic black, female, 85 years and over |  |                     |                         |                   |
| ...                                     | All causes . . . . .   | 23,898              | 100.0                   | 2,427.9           | ...   | All causes . . . . .   | 32,462              | 100.0                   | 13,035.6          |
| 1                                       | Malignant neoplasms . . . . . (C00–C97)  | 7,070               | 29.6                    | 718.3             | 1   | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 11,397              | 35.1                    | 4,576.6           |
| 2                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 6,574               | 27.5                    | 667.9             | 2   | Malignant neoplasms . . . . . (C00–C97)  | 3,497               | 10.8                    | 1,404.3           |
| 3                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 1,677               | 7.0                     | 170.4             | 3   | Cerebrovascular diseases . . . . . (I60–I69)   | 3,200               | 9.9                     | 1,285.0           |
| 4                                       | Diabetes mellitus . . . . . (E10–E14)  | 1,661               | 7.0                     | 168.7             | 4   | Alzheimer's disease . . . . . (G30)  | 1,818               | 5.6                     | 730.0             |
| 5                                       | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 858                 | 3.6                     | 87.2              | 5   | Diabetes mellitus . . . . . (E10–E14)  | 1,364               | 4.2                     | 547.7             |
| 6                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 751                 | 3.1                     | 76.3              | 6   | Influenza and pneumonia . . . . . (J10–J18)  | 1,180               | 3.6                     | 473.8             |
| 7                                       | Septicemia . . . . . (A40–A41)   | 621                 | 2.6                     | 63.1              | 7   | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 1,007               | 3.1                     | 404.4             |
| 8                                       | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 486                 | 2.0                     | 49.4              | 8   | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 916                 | 2.8                     | 367.8             |
| 9                                       | Influenza and pneumonia . . . . . (J10–J18)  | 336                 | 1.4                     | 34.1              | 9   | Septicemia . . . . . (A40–A41)   | 787                 | 2.4                     | 316.0             |
| 10                                      | Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)   | 298                 | 1.2                     | 30.3              | 10  | Chronic lower respiratory diseases . . . . . (J40–J47)   | 607                 | 1.9                     | 243.8             |
| ...                                     | All other causes (residual) . . . . .  | 3,566               | 14.9                    | 362.3             | ...   | All other causes (residual) . . . . .  | 6,689               | 20.6                    | 2,686.1           |
| Non-Hispanic black, female, 75–84 years |  |                     |                         |                   |   |  |                     |                         |                   |
| ...                                     | All causes . . . . .   | 33,354              | 100.0                   | 5,370.3           |   |  |                     |                         |                   |
| 1                                       | Diseases of heart . . . (I00–I09,I11,I13,I20–I51)  | 10,208              | 30.6                    | 1,643.6           |   |  |                     |                         |                   |
| 2                                       | Malignant neoplasms . . . . . (C00–C97)  | 6,822               | 20.5                    | 1,098.4           |   |  |                     |                         |                   |
| 3                                       | Cerebrovascular diseases . . . . . (I60–I69)   | 3,085               | 9.2                     | 496.7             |   |  |                     |                         |                   |
| 4                                       | Diabetes mellitus . . . . . (E10–E14)  | 2,062               | 6.2                     | 332.0             |   |  |                     |                         |                   |
| 5                                       | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27)  | 1,166               | 3.5                     | 187.7             |   |  |                     |                         |                   |
| 6                                       | Alzheimer's disease . . . . . (G30)  | 1,024               | 3.1                     | 164.9             |   |  |                     |                         |                   |
| 7                                       | Chronic lower respiratory diseases . . . . . (J40–J47)   | 995                 | 3.0                     | 160.2             |   |  |                     |                         |                   |
| 8                                       | Septicemia . . . . . (A40–A41)   | 859                 | 2.6                     | 138.3             |   |  |                     |                         |                   |
| 9                                       | Influenza and pneumonia . . . . . (J10–J18)  | 764                 | 2.3                     | 123.0             |   |  |                     |                         |                   |
| 10                                      | Essential (primary) hypertension and hypertensive renal disease . . . . . (I10,I12)                                      | 726                 | 2.2                     | 116.9             |   |  |                     |                         |                   |
| ...                                     | All other causes (residual) . . . . .  | 5,643               | 16.9                    | 908.6             |   |  |                     |                         |                   |

...Category not applicable.

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

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

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

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

**Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death by race and sex: United States, 2004**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days to 11 months) deaths per 100,000 live births in specified group. Deaths for races other than white or black should be interpreted with caution because of inconsistencies between reporting race on birth and death certificates. Deaths based on race of decedent; live births based on race of mother; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate | Rank <sup>1</sup>          | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate |
|--------------------------------|---|--------|-------------------------|----------------|----------------------------|---|--------|-------------------------|----------------|
| Infants, all races, both sexes |   |        |                         |                | Infants, white, both sexes |   |        |                         |                |
| ...                            | All causes . . . . .  | 27,936 | 100.0                   | 679.4          | ...                        | All causes . . . . .  | 18,231 | 100.0                   | 565.7          |
| 1                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)                            | 5,622  | 20.1                    | 136.7          | 1                          | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)                            | 4,271  | 23.4                    | 132.5          |
| 2                              | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 4,642  | 16.6                    | 112.9          | 2                          | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 2,656  | 14.6                    | 82.4           |
| 3                              | Sudden infant death syndrome . . . . . (R95)  | 2,246  | 8.0                     | 54.6           | 3                          | Sudden infant death syndrome . . . . . (R95)  | 1,441  | 7.9                     | 44.7           |
| 4                              | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 1,715  | 6.1                     | 41.7           | 4                          | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 1,002  | 5.5                     | 31.1           |
| 5                              | Accidents (unintentional injuries) . . . (V01-X59)  | 1,052  | 3.8                     | 25.6           | 5                          | Accidents (unintentional injuries) . . . (V01-X59)  | 706    | 3.9                     | 21.9           |
| 6                              | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 1,042  | 3.7                     | 25.3           | 6                          | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 683    | 3.7                     | 21.2           |
| 7                              | Respiratory distress of newborn . . . . . (P22)   | 875    | 3.1                     | 21.3           | 7                          | Respiratory distress of newborn . . . . . (P22)   | 558    | 3.1                     | 17.3           |
| 8                              | Bacterial sepsis of newborn . . . . . (P36)   | 827    | 3.0                     | 20.1           | 8                          | Bacterial sepsis of newborn . . . . . (P36)   | 519    | 2.8                     | 16.1           |
| 9                              | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 616    | 2.2                     | 15.0           | 9                          | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 408    | 2.2                     | 12.7           |
| 10                             | Diseases of the circulatory system . . . (I00-I99)  | 593    | 2.1                     | 14.4           | 10                         | Diseases of the circulatory system . . . (I00-I99)  | 399    | 2.2                     | 12.4           |
| ...                            | All other causes(residual) . . . . .  | 8,706  | 31.2                    | 211.7          | ...                        | All other causes(residual) . . . . .  | 5,588  | 30.7                    | 173.4          |
| Infants, all races, male       |   |        |                         |                | Infants, white, male       |   |        |                         |                |
| ...                            | All causes . . . . .  | 15,718 | 100.0                   | 746.8          | ...                        | All causes . . . . .  | 10,265 | 100.0                   | 621.9          |
| 1                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)                            | 2,898  | 18.4                    | 137.7          | 1                          | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)                            | 2,182  | 21.3                    | 132.2          |
| 2                              | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 2,639  | 16.8                    | 125.4          | 2                          | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 1,521  | 14.8                    | 92.1           |
| 3                              | Sudden infant death syndrome . . . . . (R95)  | 1,328  | 8.4                     | 63.1           | 3                          | Sudden infant death syndrome . . . . . (R95)  | 848    | 8.3                     | 51.4           |
| 4                              | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 962    | 6.1                     | 45.7           | 4                          | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 590    | 5.7                     | 35.7           |
| 5                              | Accidents (unintentional injuries) . . . (V01-X59)  | 604    | 3.8                     | 28.7           | 5                          | Accidents (unintentional injuries) . . . (V01-X59)  | 414    | 4.0                     | 25.1           |
| 6                              | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 555    | 3.5                     | 26.4           | 6                          | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 365    | 3.6                     | 22.1           |
| 7                              | Respiratory distress of newborn . . . . . (P22)   | 501    | 3.2                     | 23.8           | 7                          | Respiratory distress of newborn . . . . . (P22)   | 317    | 3.1                     | 19.2           |
| 8                              | Bacterial sepsis of newborn . . . . . (P36)   | 473    | 3.0                     | 22.5           | 8                          | Bacterial sepsis of newborn . . . . . (P36)   | 289    | 2.8                     | 17.5           |
| 9                              | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 381    | 2.4                     | 18.1           | 9                          | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 258    | 2.5                     | 15.6           |
| 10                             | Diseases of the circulatory system . . . (I00-I99)  | 325    | 2.1                     | 15.4           | 10                         | Diseases of the circulatory system . . . (I00-I99)  | 222    | 2.2                     | 13.4           |
| ...                            | All other causes(residual) . . . . .  | 5,052  | 32.1                    | 240.0          | ...                        | All other causes(residual) . . . . .  | 3,259  | 31.7                    | 197.4          |
| Infants, all races, female     |   |        |                         |                | Infants, white, female     |   |        |                         |                |
| ...                            | All causes . . . . .  | 12,218 | 100.0                   | 608.7          | ...                        | All causes . . . . .  | 7,966  | 100.0                   | 506.7          |
| 1                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)                            | 2,724  | 22.3                    | 135.7          | 1                          | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)                            | 2,089  | 26.2                    | 132.9          |
| 2                              | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 2,003  | 16.4                    | 99.8           | 2                          | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 1,135  | 14.2                    | 72.2           |
| 3                              | Sudden infant death syndrome . . . . . (R95)  | 918    | 7.5                     | 45.7           | 3                          | Sudden infant death syndrome . . . . . (R95)  | 593    | 7.4                     | 37.7           |
| 4                              | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 753    | 6.2                     | 37.5           | 4                          | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 412    | 5.2                     | 26.2           |
| 5                              | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 487    | 4.0                     | 24.3           | 5                          | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 318    | 4.0                     | 20.2           |
| 6                              | Accidents (unintentional injuries) . . . (V01-X59)  | 448    | 3.7                     | 22.3           | 6                          | Accidents (unintentional injuries) . . . (V01-X59)  | 292    | 3.7                     | 18.6           |
| 7                              | Respiratory distress of newborn . . . . . (P22)   | 374    | 3.1                     | 18.6           | 7                          | Respiratory distress of newborn . . . . . (P22)   | 241    | 3.0                     | 15.3           |
| 8                              | Bacterial sepsis of newborn . . . . . (P36)   | 354    | 2.9                     | 17.6           | 8                          | Bacterial sepsis of newborn . . . . . (P36)   | 230    | 2.9                     | 14.6           |
| 9                              | Diseases of the circulatory system . . . (I00-I99)  | 268    | 2.2                     | 13.4           | 9                          | Diseases of the circulatory system . . . (I00-I99)  | 177    | 2.2                     | 11.3           |
| 10                             | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 235    | 1.9                     | 11.7           | 10                         | Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)   | 164    | 2.1                     | 10.4           |
| ...                            | All other causes(residual) . . . . .  | 3,654  | 29.9                    | 182.0          | ...                        | All other causes(residual) . . . . .  | 2,315  | 29.1                    | 147.2          |

See footnotes at end of table.



**Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death by race and sex: United States, 2004—Con.**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days to 11 months) deaths per 100,000 live births in specified group. Deaths for races other than white or black should be interpreted with caution because of inconsistencies between reporting race on birth and death certificates. Deaths based on race of decedent; live births based on race of mother; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate | Rank <sup>1</sup>                                     | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate |
|--------------------------------|---|--------|-------------------------|----------------|---|---|--------|-------------------------|----------------|
| Infants, black, both sexes     |   |        |                         |                | Infants, American Indian or Alaska Native, both sexes |   |        |                         |                |
| ...                            | All causes . . . . .  | 8,494  | 100.0                   | 1,378.7        | ...   | All causes . . . . .  | 389    | 100.0                   | 885.6          |
| 1                              | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 1,809  | 21.3                    | 293.6          | 1   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 90     | 23.1                    | 204.9          |
| 2                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 1,077  | 12.7                    | 174.8          | 2   | Sudden infant death syndrome . . . . . (R95)  | 41     | 10.5                    | 93.3           |
| 3                              | Sudden infant death syndrome . . . . . (R95)  | 726    | 8.5                     | 117.8          | 3   | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 36     | 9.3                     | 82.0           |
| 4                              | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 642    | 7.6                     | 104.2          | 4   | Accidents (unintentional injuries) . . . (V01–X59)  | 23     | 5.9                     | 52.4           |
| 5                              | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 321    | 3.8                     | 52.1           | 5   | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 18     | 4.6                     | *              |
| 6                              | Accidents (unintentional injuries) . . . (V01–X59)  | 303    | 3.6                     | 49.2           | 6   | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 14     | 3.6                     | *              |
| 7                              | Respiratory distress of newborn . . . . . (P22)   | 293    | 3.4                     | 47.6           | 7   | Diseases of the circulatory system . . . (I00–I99)  | 12     | 3.1                     | *              |
| 8                              | Bacterial sepsis of newborn . . . . . (P36)   | 276    | 3.2                     | 44.8           | 7   | Influenza and pneumonia . . . . . (J10–J18)   | 12     | 3.1                     | *              |
| 9                              | Neonatal hemorrhage . . . . . (P50–P52, P54)  | 170    | 2.0                     | 27.6           | 9   | Bacterial sepsis of newborn . . . . . (P36)   | 10     | 2.6                     | *              |
| 10                             | Necrotizing enterocolitis of newborn . . . . (P77)  | 166    | 2.0                     | 26.9           | 10  | Assault (homicide) . . . . . (*U01, X85–Y09)  | 9      | 2.3                     | *              |
| ...                            | All other causes (residual) . . . . .   | 2,711  | 31.9                    | 440.0          | ...   | All other causes (residual) . . . . .   | 124    | 31.9                    | 282.3          |
| Infants, black, male           |   |        |                         |                | Infants, American Indian or Alaska Native, male       |   |        |                         |                |
| ...                            | All causes . . . . .  | 4,769  | 100.0                   | 1,519.3        | ...   | All causes . . . . .  | 237    | 100.0                   | 1,063.1        |
| 1                              | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 1,026  | 21.5                    | 326.9          | 1   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 50     | 21.1                    | 224.3          |
| 2                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 573    | 12.0                    | 182.5          | 2   | Sudden infant death syndrome . . . . . (R95)  | 23     | 9.7                     | 103.2          |
| 3                              | Sudden infant death syndrome . . . . . (R95)  | 436    | 9.1                     | 138.9          | 3   | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 16     | 6.8                     | *              |
| 4                              | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 344    | 7.2                     | 109.6          | 4   | Accidents (unintentional injuries) . . . (V01–X59)  | 15     | 6.3                     | *              |
| 5                              | Respiratory distress of newborn . . . . . (P22)   | 170    | 3.6                     | 54.2           | 5   | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 9      | 3.8                     | *              |
| 6                              | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 168    | 3.5                     | 53.5           | 6   | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 8      | 3.4                     | *              |
| 7                              | Accidents (unintentional injuries) . . . (V01–X59)  | 163    | 3.4                     | 51.9           | 6   | Bacterial sepsis of newborn . . . . . (P36)   | 8      | 3.4                     | *              |
| 8                              | Bacterial sepsis of newborn . . . . . (P36)   | 161    | 3.4                     | 51.3           | 8   | Influenza and pneumonia . . . . . (J10–J18)   | 7      | 3.0                     | *              |
| 9                              | Neonatal hemorrhage . . . . . (P50–P52, P54)  | 104    | 2.2                     | 33.1           | 9   | Diseases of the circulatory system . . . (I00–I99)  | 6      | 2.5                     | *              |
| 10                             | Necrotizing enterocolitis of newborn . . . . (P77)  | 94     | 2.0                     | 29.9           | 10  | Septicemia . . . . . (A40–A41)  | 5      | 2.1                     | *              |
| ...                            | All other causes (residual) . . . . .   | 1,530  | 32.1                    | 487.4          | 10  | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 5      | 2.1                     | *              |
| Infants, black, female         |   |        |                         |                | 10  | Assault (homicide) . . . . . (*U01, X85–Y09)  | 5      | 2.1                     | *              |
| ...                            | All causes . . . . .  | 3,725  | 100.0                   | 1,232.7        | ...   | All other causes (residual) . . . . .   | 80     | 33.8                    | 358.9          |
| 1                              | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 783    | 21.0                    | 259.1          | Infants, American Indian or Alaska Native, female     |   |        |                         |                |
| 2                              | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 504    | 13.5                    | 166.8          | ...   | All causes . . . . .  | 152    | 100.0                   | 702.6          |
| 3                              | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 298    | 8.0                     | 98.6           | 1   | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 40     | 26.3                    | 184.9          |
| 4                              | Sudden infant death syndrome . . . . . (R95)  | 290    | 7.8                     | 96.0           | 2   | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 20     | 13.2                    | 92.4           |
| 5                              | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 153    | 4.1                     | 50.6           | 3   | Sudden infant death syndrome . . . . . (R95)  | 18     | 11.8                    | *              |
| 6                              | Accidents (unintentional injuries) . . . (V01–X59)  | 140    | 3.8                     | 46.3           | 4   | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 10     | 6.6                     | *              |
| 7                              | Respiratory distress of newborn . . . . . (P22)   | 123    | 3.3                     | 40.7           | 5   | Accidents (unintentional injuries) . . . (V01–X59)  | 8      | 5.3                     | *              |
| 8                              | Bacterial sepsis of newborn . . . . . (P36)   | 115    | 3.1                     | 38.1           | 6   | Diseases of the circulatory system . . . (I00–I99)  | 6      | 3.9                     | *              |
| 9                              | Necrotizing enterocolitis of newborn . . . . (P77)  | 72     | 1.9                     | 23.8           | 7   | Influenza and pneumonia . . . . . (J10–J18)   | 5      | 3.3                     | *              |
| 10                             | Diseases of the circulatory system . . . (I00–I99)  | 69     | 1.9                     | 22.8           | 7   | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 5      | 3.3                     | *              |
| ...                            | All other causes (residual) . . . . .   | 1,178  | 31.6                    | 389.8          | 9   | Assault (homicide) . . . . . (*U01, X85–Y09)  | 4      | 2.6                     | *              |
| See footnotes at end of table. |   |        |                         |                | 10  | Respiratory distress of newborn . . . . . (P22)   | 3      | 2.0                     | *              |
|                                |   |        |                         |                | 10  | Neonatal hemorrhage . . . . . (P50–P52, P54)  | 3      | 2.0                     | *              |
|                                |   |        |                         |                | ...   | All other causes (residual) . . . . .   | 30     | 19.7                    | 138.7          |

**Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death by race and sex: United States, 2004—Con.**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days to 11 months) deaths per 100,000 live births in specified group. Deaths for races other than white or black should be interpreted with caution because of inconsistencies between reporting race on birth and death certificates. Deaths based on race of decedent; live births based on race of mother; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate | Rank <sup>1</sup>               | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate |
|--|---|--------|-------------------------|----------------|---------------------------------|---|--------|-------------------------|----------------|
| Infants, Asian or Pacific Islander, both sexes |   |        |                         |                | Neonates, all races, both sexes |   |        |                         |                |
| ...  | All causes . . . . .  | 822    | 100.0                   | 358.8          | ...                             | All causes . . . . .  | 18,593 | 100.0                   | 452.2          |
| 1  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 184    | 22.4                    | 80.3           | 1                               | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 4,515  | 24.3                    | 109.8          |
| 2  | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 141    | 17.2                    | 61.5           | 2                               | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 3,987  | 21.4                    | 97.0           |
| 3  | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 53     | 6.4                     | 23.1           | 3                               | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 1,698  | 9.1                     | 41.3           |
| 4  | Sudden infant death syndrome . . . . . (R95)  | 38     | 4.6                     | 16.6           | 4                               | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 1,030  | 5.5                     | 25.0           |
| 5  | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 31     | 3.8                     | 13.5           | 5                               | Respiratory distress of newborn . . . . . (P22)   | 817    | 4.4                     | 19.9           |
| 6  | Diseases of the circulatory system . . . (I00–I99)  | 30     | 3.6                     | 13.1           | 6                               | Bacterial sepsis of newborn . . . . . (P36)   | 778    | 4.2                     | 18.9           |
| 7  | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 24     | 2.9                     | 10.5           | 7                               | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 597    | 3.2                     | 14.5           |
| 8  | Bacterial sepsis of newborn . . . . . (P36)   | 22     | 2.7                     | 9.6            | 8                               | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 496    | 2.7                     | 12.1           |
| 9  | Accidents (unintentional injuries) . . . (V01–X59)  | 20     | 2.4                     | 8.7            | 9                               | Atelectasis . . . . . (P28.0–P28.1)   | 409    | 2.2                     | 9.9            |
| 10   | Necrotizing enterocolitis of newborn . . . . (P77)  | 19     | 2.3                     | *              | 10                              | Necrotizing enterocolitis of newborn . . . . (P77)  | 372    | 2.0                     | 9.0            |
| ...  | All other causes (residual) . . . . .   | 260    | 31.6                    | 113.5          | ...                             | All other causes (residual) . . . . .   | 3,894  | 20.9                    | 94.7           |
| Infants, Asian or Pacific Islander, male       |   |        |                         |                | Neonates, all races, male       |   |        |                         |                |
| ...  | All causes . . . . .  | 447    | 100.0                   | 379.5          | ...                             | All causes . . . . .  | 10,390 | 100.0                   | 493.7          |
| 1  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 93     | 20.8                    | 79.0           | 1                               | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 2,559  | 24.6                    | 121.6          |
| 2  | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 76     | 17.0                    | 64.5           | 2                               | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 2,093  | 20.1                    | 99.4           |
| 3  | Sudden infant death syndrome . . . . . (R95)  | 21     | 4.7                     | 17.8           | 3                               | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 950    | 9.1                     | 45.1           |
| 4  | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 20     | 4.5                     | 17.0           | 4                               | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 546    | 5.3                     | 25.9           |
| 5  | Bacterial sepsis of newborn . . . . . (P36)   | 15     | 3.4                     | *              | 5                               | Respiratory distress of newborn . . . . . (P22)   | 478    | 4.6                     | 22.7           |
| 5  | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 15     | 3.4                     | *              | 6                               | Bacterial sepsis of newborn . . . . . (P36)   | 444    | 4.3                     | 21.1           |
| 7  | Diseases of the circulatory system . . . (I00–I99)  | 14     | 3.1                     | *              | 7                               | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 371    | 3.6                     | 17.6           |
| 8  | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 13     | 2.9                     | *              | 8                               | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 286    | 2.8                     | 13.6           |
| 8  | Necrotizing enterocolitis of newborn . . . . (P77)  | 13     | 2.9                     | *              | 9                               | Atelectasis . . . . . (P28.0–P28.1)   | 243    | 2.3                     | 11.5           |
| 10   | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 12     | 2.7                     | *              | 10                              | Necrotizing enterocolitis of newborn . . . . (P77)  | 209    | 2.0                     | 9.9            |
| 10   | Accidents (unintentional injuries) . . . (V01–X59)  | 12     | 2.7                     | *              | ...                             | All other causes (residual) . . . . .   | 2,211  | 21.3                    | 105.1          |
| ...  | All other causes (residual) . . . . .   | 143    | 32.0                    | 121.4          |                                 |   |        |                         |                |
| Infants, Asian or Pacific Islander, female     |   |        |                         |                | Neonates, all races, female     |   |        |                         |                |
| ...  | All causes . . . . .  | 375    | 100.0                   | 336.8          | ...                             | All causes . . . . .  | 8,203  | 100.0                   | 408.6          |
| 1  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 91     | 24.3                    | 81.7           | 1                               | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 1,956  | 23.8                    | 97.4           |
| 2  | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 65     | 17.3                    | 58.4           | 2                               | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 1,894  | 23.1                    | 94.4           |
| 3  | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 33     | 8.8                     | 29.6           | 3                               | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 748    | 9.1                     | 37.3           |
| 4  | Sudden infant death syndrome . . . . . (R95)  | 17     | 4.5                     | *              | 4                               | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 484    | 5.9                     | 24.1           |
| 5  | Diseases of the circulatory system . . . (I00–I99)  | 16     | 4.3                     | *              | 5                               | Respiratory distress of newborn . . . . . (P22)   | 339    | 4.1                     | 16.9           |
| 5  | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 16     | 4.3                     | *              | 6                               | Bacterial sepsis of newborn . . . . . (P36)   | 334    | 4.1                     | 16.6           |
| 7  | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 11     | 2.9                     | *              | 7                               | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 226    | 2.8                     | 11.3           |
| 8  | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)                               | 8      | 2.1                     | *              | 8                               | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 210    | 2.6                     | 10.5           |
| 8  | Accidents (unintentional injuries) . . . (V01–X59)  | 8      | 2.1                     | *              | 9                               | Atelectasis . . . . . (P28.0–P28.1)   | 166    | 2.0                     | 8.3            |
| 10   | Respiratory distress of newborn . . . . . (P22)   | 7      | 1.9                     | *              | 10                              | Necrotizing enterocolitis of newborn . . . . (P77)  | 163    | 2.0                     | 8.1            |
| 10   | Bacterial sepsis of newborn . . . . . (P36)   | 7      | 1.9                     | *              | ...                             | All other causes (residual) . . . . .   | 1,683  | 20.5                    | 83.8           |
| 10   | Hydrops fetalis not due to hemolytic disease . . . . . (P83.2)  | 7      | 1.9                     | *              |                                 |   |        |                         |                |
| ...  | All other causes (residual) . . . . .   | 89     | 23.7                    | 79.9           |                                 |   |        |                         |                |

See footnotes at end of table.

**Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death by race and sex: United States, 2004—Con.**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days to 11 months) deaths per 100,000 live births in specified group. Deaths for races other than white or black should be interpreted with caution because of inconsistencies between reporting race on birth and death certificates. Deaths based on race of decedent; live births based on race of mother; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate | Rank <sup>1</sup>           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate |
|-----------------------------|---|--------|-------------------------|----------------|-----------------------------|---|--------|-------------------------|----------------|
| Neonates, white, both sexes |   |        |                         |                | Neonates, black, both sexes |   |        |                         |                |
| ...                         | All causes . . . . .  | 12,198 | 100.0                   | 378.5          | ...                         | All causes . . . . .  | 5,622  | 100.0                   | 912.6          |
| 1                           | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                              | 3,097  | 25.4                    | 96.1           | 1                           | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 1,756  | 31.2                    | 285.0          |
| 2                           | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 2,586  | 21.2                    | 80.2           | 2                           | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                              | 699    | 12.4                    | 113.5          |
| 3                           | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 992    | 8.1                     | 30.8           | 3                           | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 635    | 11.3                    | 103.1          |
| 4                           | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 675    | 5.5                     | 20.9           | 4                           | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 318    | 5.7                     | 51.6           |
| 5                           | Respiratory distress of newborn . . . . . (P22)   | 524    | 4.3                     | 16.3           | 5                           | Respiratory distress of newborn . . . . . (P22)   | 271    | 4.8                     | 44.0           |
| 6                           | Bacterial sepsis of newborn . . . . . (P36)   | 488    | 4.0                     | 15.1           | 6                           | Bacterial sepsis of newborn . . . . . (P36)   | 261    | 4.6                     | 42.4           |
| 7                           | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 394    | 3.2                     | 12.2           | 7                           | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 167    | 3.0                     | 27.1           |
| 8                           | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 358    | 2.9                     | 11.1           | 8                           | Necrotizing enterocolitis of newborn . . . . (P77)  | 139    | 2.5                     | 22.6           |
| 9                           | Atelectasis . . . . . (P28.0–P28.1)   | 297    | 2.4                     | 9.2            | 9                           | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 117    | 2.1                     | 19.0           |
| 10                          | Necrotizing enterocolitis of newborn . . . . (P77)  | 215    | 1.8                     | 6.7            | 10                          | Atelectasis . . . . . (P28.0–P28.1)   | 102    | 1.8                     | 16.6           |
| ...                         | All other causes (residual) . . . . .   | 2,572  | 21.1                    | 79.8           | ...                         | All other causes (residual) . . . . .   | 1,157  | 20.6                    | 187.8          |
| Neonates, white, male       |   |        |                         |                | Neonates, black, male       |   |        |                         |                |
| ...                         | All causes . . . . .  | 6,840  | 100.0                   | 414.4          | ...                         | All causes . . . . .  | 3,124  | 100.0                   | 995.2          |
| 1                           | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                              | 1,615  | 23.6                    | 97.8           | 1                           | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 996    | 31.9                    | 317.3          |
| 2                           | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 1,475  | 21.6                    | 89.4           | 2                           | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                              | 378    | 12.1                    | 120.4          |
| 3                           | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 582    | 8.5                     | 35.3           | 3                           | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 340    | 10.9                    | 108.3          |
| 4                           | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 359    | 5.2                     | 21.7           | 4                           | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 166    | 5.3                     | 52.9           |
| 5                           | Respiratory distress of newborn . . . . . (P22)   | 306    | 4.5                     | 18.5           | 5                           | Respiratory distress of newborn . . . . . (P22)   | 159    | 5.1                     | 50.7           |
| 6                           | Bacterial sepsis of newborn . . . . . (P36)   | 272    | 4.0                     | 16.5           | 6                           | Bacterial sepsis of newborn . . . . . (P36)   | 151    | 4.8                     | 48.1           |
| 7                           | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 250    | 3.7                     | 15.1           | 7                           | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 103    | 3.3                     | 32.8           |
| 8                           | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 201    | 2.9                     | 12.2           | 8                           | Necrotizing enterocolitis of newborn . . . . (P77)  | 79     | 2.5                     | 25.2           |
| 9                           | Atelectasis . . . . . (P28.0–P28.1)   | 187    | 2.7                     | 11.3           | 9                           | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 69     | 2.2                     | 22.0           |
| 10                          | Necrotizing enterocolitis of newborn . . . . (P77)  | 117    | 1.7                     | 7.1            | 10                          | Atelectasis . . . . . (P28.0–P28.1)   | 50     | 1.6                     | 15.9           |
| ...                         | All other causes (residual) . . . . .   | 1,476  | 21.6                    | 89.4           | ...                         | All other causes (residual) . . . . .   | 633    | 20.3                    | 201.7          |
| Neonates, white, female     |   |        |                         |                | Neonates, black, female     |   |        |                         |                |
| ...                         | All causes . . . . .  | 5,358  | 100.0                   | 340.8          | ...                         | All causes . . . . .  | 2,498  | 100.0                   | 826.7          |
| 1                           | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                              | 1,482  | 27.7                    | 94.3           | 1                           | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 760    | 30.4                    | 251.5          |
| 2                           | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 1,111  | 20.7                    | 70.7           | 2                           | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                              | 321    | 12.9                    | 106.2          |
| 3                           | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 410    | 7.7                     | 26.1           | 3                           | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 295    | 11.8                    | 97.6           |
| 4                           | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 316    | 5.9                     | 20.1           | 4                           | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 152    | 6.1                     | 50.3           |
| 5                           | Respiratory distress of newborn . . . . . (P22)   | 218    | 4.1                     | 13.9           | 5                           | Respiratory distress of newborn . . . . . (P22)   | 112    | 4.5                     | 37.1           |
| 6                           | Bacterial sepsis of newborn . . . . . (P36)   | 216    | 4.0                     | 13.7           | 6                           | Bacterial sepsis of newborn . . . . . (P36)   | 110    | 4.4                     | 36.4           |
| 7                           | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 157    | 2.9                     | 10.0           | 7                           | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 64     | 2.6                     | 21.2           |
| 8                           | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 144    | 2.7                     | 9.2            | 8                           | Necrotizing enterocolitis of newborn . . . . (P77)  | 60     | 2.4                     | 19.9           |
| 9                           | Atelectasis . . . . . (P28.0–P28.1)   | 110    | 2.1                     | 7.0            | 9                           | Atelectasis . . . . . (P28.0–P28.1)   | 52     | 2.1                     | 17.2           |
| 10                          | Necrotizing enterocolitis of newborn . . . . (P77)  | 98     | 1.8                     | 6.2            | 10                          | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 48     | 1.9                     | 15.9           |
| ...                         | All other causes (residual) . . . . .   | 1,096  | 20.5                    | 69.7           | ...                         | All other causes (residual) . . . . .   | 524    | 21.0                    | 173.4          |

See footnotes at end of table.

**Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death by race and sex: United States, 2004—Con.**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days to 11 months) deaths per 100,000 live births in specified group. Deaths for races other than white or black should be interpreted with caution because of inconsistencies between reporting race on birth and death certificates. Deaths based on race of decedent; live births based on race of mother; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                                      | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate | Rank <sup>1</sup>                                  | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate |
|--|---|--------|-------------------------|----------------|--|---|--------|-------------------------|----------------|
| Neonates, American Indian or Alaska Native, both sexes |   |        |                         |                | Neonates, American Indian or Alaska Native, female |   |        |                         |                |
| ...  | All causes . . . . .  | 207    | 100.0                   | 471.2          | ...  | All causes . . . . .  | 86     | 100.0                   | 397.5          |
| 1  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 57     | 27.5                    | 129.8          | 1  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 26     | 30.2                    | 120.2          |
| 2  | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 36     | 17.4                    | 82.0           | 2  | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 20     | 23.3                    | 92.4           |
| 3  | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 18     | 8.7                     | *              | 3  | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 10     | 11.6                    | *              |
| 4  | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 13     | 6.3                     | *              | 4  | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 5      | 5.8                     | *              |
| 5  | Bacterial sepsis of newborn . . . . . (P36)   | 10     | 4.8                     | *              | 5  | Respiratory distress of newborn . . . . . (P22)   | 3      | 3.5                     | *              |
| 6  | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 7      | 3.4                     | *              | 5  | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 3      | 3.5                     | *              |
| 7  | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 6      | 2.9                     | *              | 7  | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 2      | 2.3                     | *              |
| 8  | Diseases of the circulatory system . . . (I00–I99)  | 5      | 2.4                     | *              | 7  | Bacterial sepsis of newborn . . . . . (P36)   | 2      | 2.3                     | *              |
| 8  | Respiratory distress of newborn . . . . . (P22)   | 5      | 2.4                     | *              | 7  | Hydrops fetalis not due to hemolytic disease . . . . . (P83.2)  | 2      | 2.3                     | *              |
| 10   | Atelectasis . . . . . (P28.0–P28.1)   | 4      | 1.9                     | *              | 10   | Diseases of the circulatory system . . . (I00–I99)  | 1      | 1.2                     | *              |
| ...  | All other causes (residual) . . . . .   | 46     | 22.2                    | 104.7          | 10   | Newborn affected by other complications of labor and delivery . . . . . (P03)                                       | 1      | 1.2                     | *              |
| Neonates, American Indian or Alaska Native, male       |   |        |                         |                | 10   | Newborn affected by noxious influences transmitted via placenta or breast milk . . (P04)                            | 1      | 1.2                     | *              |
| ...  | All causes . . . . .  | 121    | 100.0                   | 542.8          | 10   | Neonatal aspiration syndromes . . . . . (P24)   | 1      | 1.2                     | *              |
| 1  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 31     | 25.6                    | 139.1          | 10   | Interstitial emphysema and related conditions originating in the perinatal period . . . . . (P25)                   | 1      | 1.2                     | *              |
| 2  | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 16     | 13.2                    | *              | 10   | Necrotizing enterocolitis of newborn . . . . (P77)  | 1      | 1.2                     | *              |
| 3  | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 8      | 6.6                     | *              | 10   | Sudden infant death syndrome . . . . . (R95)  | 1      | 1.2                     | *              |
| 3  | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 8      | 6.6                     | *              | 10   | Accidents (unintentional injuries) . . . (V01–X59)  | 1      | 1.2                     | *              |
| 3  | Bacterial sepsis of newborn . . . . . (P36)   | 8      | 6.6                     | *              | ...  | All other causes (residual) . . . . .   | 5      | 5.8                     | *              |
| 6  | Diseases of the circulatory system . . . (I00–I99)  | 4      | 3.3                     | *              | Neonates, Asian or Pacific Islander, both sexes    |   |        |                         |                |
| 6  | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 4      | 3.3                     | *              | ...  | All causes . . . . .  | 566    | 100.0                   | 247.0          |
| 6  | Atelectasis . . . . . (P28.0–P28.1)   | 4      | 3.3                     | *              | 1  | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 137    | 24.2                    | 59.8           |
| 6  | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 4      | 3.3                     | *              | 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 134    | 23.7                    | 58.5           |
| 10   | Respiratory distress of newborn . . . . . (P22)   | 2      | 1.7                     | *              | 3  | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 53     | 9.4                     | 23.1           |
| 10   | Congenital pneumonia . . . . . (P23)  | 2      | 1.7                     | *              | 4  | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 29     | 5.1                     | 12.7           |
| ...  | All other causes (residual) . . . . .   | 30     | 24.8                    | 134.6          | 5  | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 24     | 4.2                     | 10.5           |
| See footnotes at end of table.                         |   |        |                         |                | 6  | Bacterial sepsis of newborn . . . . . (P36)   | 19     | 3.4                     | *              |
|  |   |        |                         |                | 7  | Respiratory distress of newborn . . . . . (P22)   | 17     | 3.0                     | *              |
|  |   |        |                         |                | 7  | Necrotizing enterocolitis of newborn . . . . (P77)  | 17     | 3.0                     | *              |
|  |   |        |                         |                | 9  | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 15     | 2.7                     | *              |
|  |   |        |                         |                | 10   | Hydrops fetalis not due to hemolytic disease . . . . . (P83.2)  | 10     | 1.8                     | *              |
|  |   |        |                         |                | ...  | All other causes (residual) . . . . .   | 111    | 19.6                    | 48.4           |



**Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death by race and sex: United States, 2004—Con.**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days to 11 months) deaths per 100,000 live births in specified group. Deaths for races other than white or black should be interpreted with caution because of inconsistencies between reporting race on birth and death certificates. Deaths based on race of decedent; live births based on race of mother; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate | Rank <sup>1</sup>               | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate |
|---|---|--------|-------------------------|----------------|---------------------------------|---|--------|-------------------------|----------------|
| Neonates, Asian or Pacific Islander, male   |   |        |                         |                | Postneonates, all races, male   |   |        |                         |                |
| ...   | All causes . . . . .  | 305    | 100.0                   | 259.0          | ...                             | All causes . . . . .  | 5,328  | 100.0                   | 253.2          |
| 1   | Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)                     | 72     | 23.6                    | 61.1           | 1                               | Sudden infant death syndrome . . . . . (R95)  | 1,216  | 22.8                    | 57.8           |
| 2   | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                              | 69     | 22.6                    | 58.6           | 2                               | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                              | 805    | 15.1                    | 38.2           |
| 3   | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 20     | 6.6                     | 17.0           | 3                               | Accidents (unintentional injuries) . . . (V01–X59)  | 551    | 10.3                    | 26.2           |
| 4   | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 14     | 4.6                     | *              | 4                               | Diseases of the circulatory system . . . (I00–I99)  | 211    | 4.0                     | 10.0           |
| 5   | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 13     | 4.3                     | *              | 5                               | Septicemia . . . . . (A40–A41)  | 167    | 3.1                     | 7.9            |
| 5   | Bacterial sepsis of newborn . . . . . (P36)   | 13     | 4.3                     | *              | 5                               | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)                               | 167    | 3.1                     | 7.9            |
| 5   | Necrotizing enterocolitis of newborn . . . . (P77)  | 13     | 4.3                     | *              | 7                               | Influenza and pneumonia . . . . . (J10–J18)   | 165    | 3.1                     | 7.8            |
| 8   | Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)   | 12     | 3.9                     | *              | 8                               | Chronic respiratory disease originating in the perinatal period . . . . . (P27)                                     | 150    | 2.8                     | 7.1            |
| 9   | Respiratory distress of newborn . . . . . (P22)   | 11     | 3.6                     | *              | 8                               | Assault (homicide) . . . . . (*U01,X85–Y09)   | 150    | 2.8                     | 7.1            |
| 10  | Pulmonary hemorrhage originating in the perinatal period . . . . . (P26)  | 6      | 2.0                     | *              | 10                              | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 80     | 1.5                     | 3.8            |
| ...   | All other causes (residual) . . . . .   | 62     | 20.3                    | 52.6           | ...                             | All other causes (residual) . . . . .   | 1,666  | 31.3                    | 79.2           |
| Neonates, Asian or Pacific Islander, female |   |        |                         |                | Postneonates, all races, female |   |        |                         |                |
| ...   | All causes . . . . .  | 261    | 100.0                   | 234.4          | ...                             | All causes . . . . .  | 4,015  | 100.0                   | 200.0          |
| 1   | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 65     | 24.9                    | 58.4           | 1                               | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                              | 830    | 20.7                    | 41.3           |
| 1   | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                              | 65     | 24.9                    | 58.4           | 2                               | Sudden infant death syndrome . . . . . (R95)  | 820    | 20.4                    | 40.8           |
| 3   | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 33     | 12.6                    | 29.6           | 3                               | Accidents (unintentional injuries) . . . (V01–X59)  | 386    | 9.6                     | 19.2           |
| 4   | Neonatal hemorrhage . . . . . (P50–P52,P54)   | 15     | 5.7                     | *              | 4                               | Diseases of the circulatory system . . . (I00–I99)  | 188    | 4.7                     | 9.4            |
| 5   | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 11     | 4.2                     | *              | 5                               | Assault (homicide) . . . . . (*U01,X85–Y09)   | 137    | 3.4                     | 6.8            |
| 6   | Respiratory distress of newborn . . . . . (P22)   | 6      | 2.3                     | *              | 6                               | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)                               | 113    | 2.8                     | 5.6            |
| 6   | Bacterial sepsis of newborn . . . . . (P36)   | 6      | 2.3                     | *              | 7                               | Influenza and pneumonia . . . . . (J10–J18)   | 107    | 2.7                     | 5.3            |
| 6   | Hydrops fetalis not due to hemolytic disease . . . . . (P83.2)  | 6      | 2.3                     | *              | 8                               | Septicemia . . . . . (A40–A41)  | 104    | 2.6                     | 5.2            |
| 9   | Atelectasis . . . . . (P28.0–P28.1)   | 4      | 1.5                     | *              | 9                               | Chronic respiratory disease originating in the perinatal period . . . . . (P27)                                     | 95     | 2.4                     | 4.7            |
| 9   | Hematological disorders . . . . . (P60–P61)   | 4      | 1.5                     | *              | 10                              | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 47     | 1.2                     | 2.3            |
| 9   | Necrotizing enterocolitis of newborn . . . . (P77)  | 4      | 1.5                     | *              | ...                             | All other causes (residual) . . . . .   | 1,188  | 29.6                    | 59.2           |
| ...   | All other causes (residual) . . . . .   | 42     | 16.1                    | 37.7           | Postneonates, white, both sexes |   |        |                         |                |
| Postneonates, all races, both sexes         |   |        |                         |                | ...                             | All causes . . . . .  | 6,033  | 100.0                   | 187.2          |
| ...   | All causes . . . . .  | 9,343  | 100.0                   | 227.2          | 1                               | Sudden infant death syndrome . . . . . (R95)  | 1,299  | 21.5                    | 40.3           |
| 1   | Sudden infant death syndrome . . . . . (R95)  | 2,036  | 21.8                    | 49.5           | 2                               | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                              | 1,174  | 19.5                    | 36.4           |
| 2   | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                              | 1,635  | 17.5                    | 39.8           | 3                               | Accidents (unintentional injuries) . . . (V01–X59)  | 619    | 10.3                    | 19.2           |
| 3   | Accidents (unintentional injuries) . . . (V01–X59)  | 937    | 10.0                    | 22.8           | 4                               | Diseases of the circulatory system . . . (I00–I99)  | 255    | 4.2                     | 7.9            |
| 4   | Diseases of the circulatory system . . . (I00–I99)  | 399    | 4.3                     | 9.7            | 5                               | Assault (homicide) . . . . . (*U01,X85–Y09)   | 184    | 3.0                     | 5.7            |
| 5   | Assault (homicide) . . . . . (*U01,X85–Y09)   | 287    | 3.1                     | 7.0            | 6                               | Septicemia . . . . . (A40–A41)  | 165    | 2.7                     | 5.1            |
| 6   | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)                               | 280    | 3.0                     | 6.8            | 7                               | Influenza and pneumonia . . . . . (J10–J18)   | 161    | 2.7                     | 5.0            |
| 7   | Influenza and pneumonia . . . . . (J10–J18)   | 272    | 2.9                     | 6.6            | 8                               | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)                               | 142    | 2.4                     | 4.4            |
| 8   | Septicemia . . . . . (A40–A41)  | 271    | 2.9                     | 6.6            | 9                               | Chronic respiratory disease originating in the perinatal period . . . . . (P27)                                     | 126    | 2.1                     | 3.9            |
| 9   | Chronic respiratory disease originating in the perinatal period . . . . . (P27)                                     | 245    | 2.6                     | 6.0            | 10                              | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 70     | 1.2                     | 2.2            |
| 10  | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 127    | 1.4                     | 3.1            | ...                             | All other causes (residual) . . . . .   | 1,838  | 30.5                    | 57.0           |
| ...   | All other causes (residual) . . . . .   | 2,854  | 30.5                    | 69.4           |                                 |   |        |                         |                |

See footnotes at end of table.



**Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death by race and sex: United States, 2004—Con.**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days to 11 months) deaths per 100,000 live births in specified group. Deaths for races other than white or black should be interpreted with caution because of inconsistencies between reporting race on birth and death certificates. Deaths based on race of decedent; live births based on race of mother; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>               | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision</i> , 1992), race, and sex | Number | Percent of total deaths | Mortality rate | Rank <sup>1</sup>           | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision</i> , 1992), race, and sex | Number | Percent of total deaths | Mortality rate |
|---------------------------------|---|--------|-------------------------|----------------|-----------------------------|---|--------|-------------------------|----------------|
| Postneonates, white, male       |   |        |                         |                | Postneonates, black, male   |   |        |                         |                |
| ...                             | All causes . . . . .  | 3,425  | 100.0                   | 207.5          | ...                         | All causes . . . . .  | 1,645  | 100.0                   | 524.1          |
| 1                               | Sudden infant death syndrome . . . . .(R95)   | 772    | 22.5                    | 46.8           | 1                           | Sudden infant death syndrome . . . . .(R95)   | 401    | 24.4                    | 127.7          |
| 2                               | Congenital malformations, deformations and chromosomal abnormalities . . . . .(Q00–Q99)                             | 567    | 16.6                    | 34.3           | 2                           | Congenital malformations, deformations and chromosomal abnormalities . . . . .(Q00–Q99)                             | 195    | 11.9                    | 62.1           |
| 3                               | Accidents (unintentional injuries) . . . . .(V01–X59)   | 373    | 10.9                    | 22.6           | 3                           | Accidents (unintentional injuries) . . . . .(V01–X59)   | 153    | 9.3                     | 48.7           |
| 4                               | Diseases of the circulatory system . . . . .(I00–I99)   | 140    | 4.1                     | 8.5            | 4                           | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . .(K29,K50–K55)                                | 77     | 4.7                     | 24.5           |
| 5                               | Septicemia . . . . .(A40–A41)   | 103    | 3.0                     | 6.2            | 5                           | Chronic respiratory disease originating in the perinatal period . . . . .(P27)                                      | 63     | 3.8                     | 20.1           |
| 6                               | Assault (homicide) . . . . .(*U01,X85–Y09)  | 101    | 2.9                     | 6.1            | 6                           | Diseases of the circulatory system . . . . .(I00–I99)   | 58     | 3.5                     | 18.5           |
| 7                               | Influenza and pneumonia . . . . .(J10–J18)  | 100    | 2.9                     | 6.1            | 7                           | Septicemia . . . . .(A40–A41)   | 55     | 3.3                     | 17.5           |
| 8                               | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . .(K29,K50–K55)                                | 83     | 2.4                     | 5.0            | 8                           | Influenza and pneumonia . . . . .(J10–J18)  | 54     | 3.3                     | 17.2           |
| 9                               | Chronic respiratory disease originating in the perinatal period . . . . .(P27)                                      | 81     | 2.4                     | 4.9            | 9                           | Assault (homicide) . . . . .(*U01,X85–Y09)  | 43     | 2.6                     | 13.7           |
| 10                              | Disorders related to short gestation and low birth weight, not elsewhere classified . . . . .(P07)                  | 46     | 1.3                     | 2.8            | 10                          | Disorders related to short gestation and low birth weight, not elsewhere classified . . . . .(P07)                  | 30     | 1.8                     | 9.6            |
| ...                             | All other causes (residual) . . . . .   | 1,059  | 30.9                    | 64.2           | ...                         | All other causes (residual) . . . . .   | 516    | 31.4                    | 164.4          |
| Postneonates, white, female     |   |        |                         |                | Postneonates, black, female |   |        |                         |                |
| ...                             | All causes . . . . .  | 2,608  | 100.0                   | 165.9          | ...                         | All causes . . . . .  | 1,227  | 100.0                   | 406.1          |
| 1                               | Congenital malformations, deformations and chromosomal abnormalities . . . . .(Q00–Q99)                             | 607    | 23.3                    | 38.6           | 1                           | Sudden infant death syndrome . . . . .(R95)   | 260    | 21.2                    | 86.0           |
| 2                               | Sudden infant death syndrome . . . . .(R95)   | 527    | 20.2                    | 33.5           | 2                           | Congenital malformations, deformations and chromosomal abnormalities . . . . .(Q00–Q99)                             | 183    | 14.9                    | 60.6           |
| 3                               | Accidents (unintentional injuries) . . . . .(V01–X59)   | 246    | 9.4                     | 15.6           | 3                           | Accidents (unintentional injuries) . . . . .(V01–X59)   | 127    | 10.4                    | 42.0           |
| 4                               | Diseases of the circulatory system . . . . .(I00–I99)   | 115    | 4.4                     | 7.3            | 4                           | Diseases of the circulatory system . . . . .(I00–I99)   | 53     | 4.3                     | 17.5           |
| 5                               | Assault (homicide) . . . . .(*U01,X85–Y09)  | 83     | 3.2                     | 5.3            | 5                           | Assault (homicide) . . . . .(*U01,X85–Y09)  | 49     | 4.0                     | 16.2           |
| 6                               | Septicemia . . . . .(A40–A41)   | 62     | 2.4                     | 3.9            | 6                           | Chronic respiratory disease originating in the perinatal period . . . . .(P27)                                      | 48     | 3.9                     | 15.9           |
| 7                               | Influenza and pneumonia . . . . .(J10–J18)  | 61     | 2.3                     | 3.9            | 7                           | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . .(K29,K50–K55)                                | 46     | 3.7                     | 15.2           |
| 8                               | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . .(K29,K50–K55)                                | 59     | 2.3                     | 3.8            | 8                           | Septicemia . . . . .(A40–A41)   | 41     | 3.3                     | 13.6           |
| 9                               | Chronic respiratory disease originating in the perinatal period . . . . .(P27)                                      | 45     | 1.7                     | 2.9            | 9                           | Influenza and pneumonia . . . . .(J10–J18)  | 38     | 3.1                     | 12.6           |
| 10                              | Malignant neoplasms . . . . .(C00–C97)  | 24     | 0.9                     | 1.5            | 10                          | Disorders related to short gestation and low birth weight, not elsewhere classified . . . . .(P07)                  | 23     | 1.9                     | 7.6            |
| 10                              | Disorders related to short gestation and low birth weight, not elsewhere classified . . . . .(P07)                  | 24     | 0.9                     | 1.5            | ...                         | All other causes (residual) . . . . .   | 359    | 29.3                    | 118.8          |
| ...                             | All other causes (residual) . . . . .   | 755    | 28.9                    | 48.0           |                             |   |        |                         |                |
| Postneonates, black, both sexes |   |        |                         |                |                             |   |        |                         |                |
| ...                             | All causes . . . . .  | 2,872  | 100.0                   | 466.2          |                             |   |        |                         |                |
| 1                               | Sudden infant death syndrome . . . . .(R95)   | 661    | 23.0                    | 107.3          |                             |   |        |                         |                |
| 2                               | Congenital malformations, deformations and chromosomal abnormalities . . . . .(Q00–Q99)                             | 378    | 13.2                    | 61.4           |                             |   |        |                         |                |
| 3                               | Accidents (unintentional injuries) . . . . .(V01–X59)   | 280    | 9.7                     | 45.4           |                             |   |        |                         |                |
| 4                               | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . .(K29,K50–K55)                                | 123    | 4.3                     | 20.0           |                             |   |        |                         |                |
| 5                               | Diseases of the circulatory system . . . . .(I00–I99)   | 111    | 3.9                     | 18.0           |                             |   |        |                         |                |
| 5                               | Chronic respiratory disease originating in the perinatal period . . . . .(P27)                                      | 111    | 3.9                     | 18.0           |                             |   |        |                         |                |
| 7                               | Septicemia . . . . .(A40–A41)   | 96     | 3.3                     | 15.6           |                             |   |        |                         |                |
| 8                               | Influenza and pneumonia . . . . .(J10–J18)  | 92     | 3.2                     | 14.9           |                             |   |        |                         |                |
| 8                               | Assault (homicide) . . . . .(*U01,X85–Y09)  | 92     | 3.2                     | 14.9           |                             |   |        |                         |                |
| 10                              | Disorders related to short gestation and low birth weight, not elsewhere classified . . . . .(P07)                  | 53     | 1.8                     | 8.6            |                             |   |        |                         |                |
| ...                             | All other causes (residual) . . . . .   | 875    | 30.5                    | 142.0          |                             |   |        |                         |                |

See footnotes at end of table.

**Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death by race and sex: United States, 2004—Con.**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days to 11 months) deaths per 100,000 live births in specified group. Deaths for races other than white or black should be interpreted with caution because of inconsistencies between reporting race on birth and death certificates. Deaths based on race of decedent; live births based on race of mother; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>  | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex    | Number | Percent of total deaths | Mortality rate | Rank <sup>1</sup>                                      | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate |
|--|--|--------|-------------------------|----------------|--|---|--------|-------------------------|----------------|
| Postneonates, American Indian or Alaska Native, both sexes |  |        |                         |                | Postneonates, American Indian or Alaska Native, female |   |        |                         |                |
| ...  | All causes . . . . .   | 182    | 100.0                   | 414.3          | ...  | All causes . . . . .  | 66     | 100.0                   | 305.1          |
| 1  | Sudden infant death syndrome . . . . .(R95)  | 39     | 21.4                    | 88.8           | 1  | Sudden infant death syndrome . . . . .(R95)   | 17     | 25.8                    | *              |
| 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . .(Q00–Q99)                                | 33     | 18.1                    | 75.1           | 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . .(Q00–Q99)                             | 14     | 21.2                    | *              |
| 3  | Accidents (unintentional injuries) . . . . .(V01–X59)  | 21     | 11.5                    | 47.8           | 3  | Accidents (unintentional injuries) . . . . .(V01–X59)   | 7      | 10.6                    | *              |
| 4  | Influenza and pneumonia . . . . .(J10–J18)   | 12     | 6.6                     | *              | 4  | Diseases of the circulatory system . . . . .(I00–I99)   | 5      | 7.6                     | *              |
| 5  | Assault (homicide) . . . . .(*U01,X85–Y09)   | 9      | 4.9                     | *              | 4  | Influenza and pneumonia . . . . .(J10–J18)  | 5      | 7.6                     | *              |
| 6  | Diseases of the circulatory system . . . . .(I00–I99)  | 7      | 3.8                     | *              | 6  | Assault (homicide) . . . . .(*U01,X85–Y09)  | 4      | 6.1                     | *              |
| 7  | Septicemia . . . . .(A40–A41)  | 5      | 2.7                     | *              | 7  | Meningitis . . . . .(G00,G03)   | 1      | 1.5                     | *              |
| 8  | Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism . . . . .(D50–D89) | 2      | 1.1                     | *              | 7  | Infantile cerebral palsy . . . . .(G80)   | 1      | 1.5                     | *              |
| 8  | Chronic respiratory disease originating in the perinatal period . . . . .(P27)   | 2      | 1.1                     | *              | 7  | Chronic respiratory disease originating in the perinatal period . . . . .(P27)                                      | 1      | 1.5                     | *              |
| 8  | Complications of medical and surgical care . . . . .(Y40–Y84)  | 2      | 1.1                     | *              | 7  | Complications of medical and surgical care . . . . .(Y40–Y84)   | 1      | 1.5                     | *              |
| ...  | All other causes (residual) . . . . .  | 50     | 27.5                    | 113.8          | ...  | All other causes (residual) . . . . .   | 10     | 15.2                    | *              |
| Postneonates, American Indian or Alaska Native, male       |  |        |                         |                | Postneonates, Asian or Pacific Islander, both sexes    |   |        |                         |                |
| ...  | All causes . . . . .   | 116    | 100.0                   | 520.3          | ...  | All causes . . . . .  | 256    | 100.0                   | 111.7          |
| 1  | Sudden infant death syndrome . . . . .(R95)  | 22     | 19.0                    | 98.7           | 1  | Congenital malformations, deformations and chromosomal abnormalities . . . . .(Q00–Q99)                             | 50     | 19.5                    | 21.8           |
| 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . .(Q00–Q99)                                | 19     | 16.4                    | *              | 2  | Sudden infant death syndrome . . . . .(R95)   | 37     | 14.5                    | 16.1           |
| 3  | Accidents (unintentional injuries) . . . . .(V01–X59)  | 14     | 12.1                    | *              | 3  | Diseases of the circulatory system . . . . .(I00–I99)   | 26     | 10.2                    | 11.3           |
| 4  | Influenza and pneumonia . . . . .(J10–J18)   | 7      | 6.0                     | *              | 4  | Accidents (unintentional injuries) . . . . .(V01–X59)   | 17     | 6.6                     | *              |
| 5  | Septicemia . . . . .(A40–A41)  | 5      | 4.3                     | *              | 5  | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . .(K29,K50–K55)                                | 14     | 5.5                     | *              |
| 5  | Assault (homicide) . . . . .(*U01,X85–Y09)   | 5      | 4.3                     | *              | 6  | Influenza and pneumonia . . . . .(J10–J18)  | 7      | 2.7                     | *              |
| 7  | Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism . . . . .(D50–D89) | 2      | 1.7                     | *              | 7  | Chronic respiratory disease originating in the perinatal period . . . . .(P27)                                      | 6      | 2.3                     | *              |
| 7  | Diseases of the circulatory system . . . . .(I00–I99)  | 2      | 1.7                     | *              | 8  | Septicemia . . . . .(A40–A41)   | 5      | 2.0                     | *              |
| 9  | Acute bronchitis and acute bronchiolitis . . . . .(J20–J21)  | 1      | 0.9                     | *              | 9  | Renal failure and other disorders of kidney . . . . .(N17–N19,N25,N27)  | 4      | 1.6                     | *              |
| 9  | Pneumonitis due to solids and liquids . . . . .(J69)   | 1      | 0.9                     | *              | 9  | Disorders related to short gestation and low birth weight, not elsewhere classified . . . . .(P07)                  | 4      | 1.6                     | *              |
| 9  | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . .(K29,K50–K55)                                   | 1      | 0.9                     | *              | ...  | All other causes (residual) . . . . .   | 86     | 33.6                    | 37.5           |
| 9  | Newborn affected by complications of placenta, cord and membranes . . . . .(P02)                                       | 1      | 0.9                     | *              |  |   |        |                         |                |
| 9  | Intrauterine hypoxia and birth asphyxia . . . . .(P20–P21)   | 1      | 0.9                     | *              |  |   |        |                         |                |
| 9  | Respiratory distress of newborn . . . . .(P22)   | 1      | 0.9                     | *              |  |   |        |                         |                |
| 9  | Chronic respiratory disease originating in the perinatal period . . . . .(P27)   | 1      | 0.9                     | *              |  |   |        |                         |                |
| 9  | Complications of medical and surgical care . . . . .(Y40–Y84)  | 1      | 0.9                     | *              |  |   |        |                         |                |
| ...  | All other causes (residual) . . . . .  | 32     | 27.6                    | 143.5          |  |   |        |                         |                |

See footnotes at end of table.

**Table 3. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death by race and sex: United States, 2004—Con.**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days to 11 months) deaths per 100,000 live births in specified group. Deaths for races other than white or black should be interpreted with caution because of inconsistencies between reporting race on birth and death certificates. Deaths based on race of decedent; live births based on race of mother; see "Technical Notes." The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup> | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate | Rank <sup>1</sup> | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex     | Number | Percent of total deaths | Mortality rate |
|-------------------|---|--------|-------------------------|----------------|-------------------|---|--------|-------------------------|----------------|
|                   | Postneonates, Asian or Pacific Islander, male   |        |                         |                |                   | Postneonates, Asian or Pacific Islander, female   |        |                         |                |
| ...               | All causes . . . . .  | 142    | 100.0                   | 120.6          | ...               | All causes . . . . .  | 114    | 100.0                   | 102.4          |
| 1                 | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)                            | 24     | 16.9                    | 20.4           | 1                 | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)                                | 26     | 22.8                    | 23.4           |
| 2                 | Sudden infant death syndrome . . . . . (R95)  | 21     | 14.8                    | 17.8           | 2                 | Sudden infant death syndrome . . . . . (R95)  | 16     | 14.0                    | *              |
| 3                 | Diseases of the circulatory system . . . . . (I00-I99)  | 11     | 7.7                     | *              | 3                 | Diseases of the circulatory system . . . . . (I00-I99)  | 15     | 13.2                    | *              |
| 3                 | Accidents (unintentional injuries) . . . . . (V01-X59)  | 11     | 7.7                     | *              | 4                 | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50-K55)                                   | 8      | 7.0                     | *              |
| 5                 | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50-K55)                               | 6      | 4.2                     | *              | 5                 | Accidents (unintentional injuries) . . . . . (V01-X59)  | 6      | 5.3                     | *              |
| 6                 | Chronic respiratory disease originating in the perinatal period . . . . . (P27)                                     | 5      | 3.5                     | *              | 6                 | Influenza and pneumonia . . . . . (J10-J18)   | 3      | 2.6                     | *              |
| 7                 | Septicemia . . . . . (A40-A41)  | 4      | 2.8                     | *              | 7                 | Volume depletion, disorders of fluid, electrolyte and acid-base balance . . . . . (E86-E87)                             | 2      | 1.8                     | *              |
| 7                 | Influenza and pneumonia . . . . . (J10-J18)   | 4      | 2.8                     | *              | 7                 | Necrotizing enterocolitis of newborn . . . . . (P77)  | 2      | 1.8                     | *              |
| 7                 | Renal failure and other disorders of kidney . . . . . (N17-N19,N25,N27)   | 4      | 2.8                     | *              | 9                 | Meningococcal infection . . . . . (A39)   | 1      | 0.9                     | *              |
| 7                 | Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)                 | 4      | 2.8                     | *              | 9                 | Septicemia . . . . . (A40-A41)  | 1      | 0.9                     | *              |
| ...               | All other causes (residual) . . . . .   | 48     | 33.8                    | 40.8           | 9                 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00-D48)                  | 1      | 0.9                     | *              |
|                   |   |        |                         |                | 9                 | Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism . . . . . (D50-D89) | 1      | 0.9                     | *              |
|                   |   |        |                         |                | 9                 | Meningitis . . . . . (G00,G03)  | 1      | 0.9                     | *              |
|                   |   |        |                         |                | 9                 | Diseases of the ear and mastoid process . . . . . (H60-H93)   | 1      | 0.9                     | *              |
|                   |   |        |                         |                | 9                 | Hernia of abdominal cavity and intestinal obstruction without hernia . . . . . (K40-K46,K56)                            | 1      | 0.9                     | *              |
|                   |   |        |                         |                | 9                 | Respiratory distress of newborn . . . . . (P22)   | 1      | 0.9                     | *              |
|                   |   |        |                         |                | 9                 | Chronic respiratory disease originating in the perinatal period . . . . . (P27)   | 1      | 0.9                     | *              |
|                   |   |        |                         |                | 9                 | Atelectasis . . . . . (P28.0-P28.1)   | 1      | 0.9                     | *              |
|                   |   |        |                         |                | 9                 | Bacterial sepsis of newborn . . . . . (P36)   | 1      | 0.9                     | *              |
|                   |   |        |                         |                | 9                 | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 1      | 0.9                     | *              |
|                   |   |        |                         |                | 9                 | Hydrops fetalis not due to hemolytic disease . . . . . (P83.2)  | 1      | 0.9                     | *              |
|                   |   |        |                         |                | 9                 | Assault (homicide) . . . . . (*U01,X85-Y09)   | 1      | 0.9                     | *              |
|                   |   |        |                         |                | ...               | All other causes (residual) . . . . .   | 22     | 19.3                    | 19.8           |

... Category not applicable.

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

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

**Table 4. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days to 11 months) deaths per 100,000 live births in specified group. 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 birth and death certificates; see "Technical Notes." National linked files should be used to measure infant mortality for specific Hispanic subgroups. The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>             | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate | Rank <sup>1</sup>                       | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate |
|-------------------------------|---|--------|-------------------------|----------------|---|---|--------|-------------------------|----------------|
| Infants, Hispanic, both sexes |   |        |                         |                | Infants, Non-Hispanic white, both sexes |   |        |                         |                |
| ...                           | All causes . . . . .  | 5,321  | 100.0                   | 562.3          | ...                                     | All causes . . . . .  | 13,046 | 100.0                   | 568.0          |
| 1                             | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 1,278  | 24.0                    | 135.0          | 1                                       | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 3,016  | 23.1                    | 131.3          |
| 2                             | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 816    | 15.3                    | 86.2           | 2                                       | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 1,848  | 14.2                    | 80.5           |
| 3                             | Sudden infant death syndrome . . . . . (R95)  | 284    | 5.3                     | 30.0           | 3                                       | Sudden infant death syndrome . . . . . (R95)  | 1,173  | 9.0                     | 51.1           |
| 4                             | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 265    | 5.0                     | 28.0           | 4                                       | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 747    | 5.7                     | 32.5           |
| 5                             | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 196    | 3.7                     | 20.7           | 5                                       | Accidents (unintentional injuries) . . . (V01-X59)  | 557    | 4.3                     | 24.3           |
| 6                             | Bacterial sepsis of newborn . . . . . (P36)   | 176    | 3.3                     | 18.6           | 6                                       | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 490    | 3.8                     | 21.3           |
| 7                             | Respiratory distress of newborn . . . . . (P22)   | 167    | 3.1                     | 17.6           | 7                                       | Respiratory distress of newborn . . . . . (P22)   | 398    | 3.1                     | 17.3           |
| 8                             | Accidents (unintentional injuries) . . . (V01-X59)  | 159    | 3.0                     | 16.8           | 8                                       | Bacterial sepsis of newborn . . . . . (P36)   | 349    | 2.7                     | 15.2           |
| 9                             | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 133    | 2.5                     | 14.1           | 9                                       | Diseases of the circulatory system . . (I00-I99)  | 294    | 2.3                     | 12.8           |
| 10                            | Diseases of the circulatory system . . (I00-I99)  | 109    | 2.0                     | 11.5           | 10                                      | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 277    | 2.1                     | 12.1           |
| ...                           | All other causes (residual) . . . . .   | 1,738  | 32.7                    | 183.7          | ...                                     | All other causes (residual) . . . . .   | 3,897  | 29.9                    | 169.7          |
| Infants, Hispanic, male       |   |        |                         |                | Infants, Non-Hispanic white, male       |   |        |                         |                |
| ...                           | All causes . . . . .  | 2,948  | 100.0                   | 610.4          | ...                                     | All causes . . . . .  | 7,399  | 100.0                   | 628.0          |
| 1                             | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 622    | 21.1                    | 128.8          | 1                                       | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 1,572  | 21.2                    | 133.4          |
| 2                             | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 476    | 16.1                    | 98.6           | 2                                       | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 1,052  | 14.2                    | 89.3           |
| 3                             | Sudden infant death syndrome . . . . . (R95)  | 169    | 5.7                     | 35.0           | 3                                       | Sudden infant death syndrome . . . . . (R95)  | 689    | 9.3                     | 58.5           |
| 4                             | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 155    | 5.3                     | 32.1           | 4                                       | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 439    | 5.9                     | 37.3           |
| 5                             | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 106    | 3.6                     | 21.9           | 5                                       | Accidents (unintentional injuries) . . . (V01-X59)  | 335    | 4.5                     | 28.4           |
| 6                             | Bacterial sepsis of newborn . . . . . (P36)   | 101    | 3.4                     | 20.9           | 6                                       | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 262    | 3.5                     | 22.2           |
| 7                             | Respiratory distress of newborn . . . . . (P22)   | 93     | 3.2                     | 19.3           | 7                                       | Respiratory distress of newborn . . . . . (P22)   | 229    | 3.1                     | 19.4           |
| 8                             | Accidents (unintentional injuries) . . . (V01-X59)  | 87     | 3.0                     | 18.0           | 8                                       | Bacterial sepsis of newborn . . . . . (P36)   | 194    | 2.6                     | 16.5           |
| 9                             | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 84     | 2.8                     | 17.4           | 9                                       | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 174    | 2.4                     | 14.8           |
| 10                            | Atelectasis . . . . . (P28.0-P28.1)   | 60     | 2.0                     | 12.4           | 10                                      | Diseases of the circulatory system . . (I00-I99)  | 166    | 2.2                     | 14.1           |
| ...                           | All other causes (residual) . . . . .   | 995    | 33.8                    | 206.0          | ...                                     | All other causes (residual) . . . . .   | 2,287  | 30.9                    | 194.1          |
| Infants, Hispanic, female     |   |        |                         |                | Infants, Non-Hispanic white, female     |   |        |                         |                |
| ...                           | All causes . . . . .  | 2,373  | 100.0                   | 512.1          | ...                                     | All causes . . . . .  | 5,647  | 100.0                   | 504.9          |
| 1                             | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 656    | 27.6                    | 141.6          | 1                                       | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 1,444  | 25.6                    | 129.1          |
| 2                             | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 340    | 14.3                    | 73.4           | 2                                       | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 796    | 14.1                    | 71.2           |
| 3                             | Sudden infant death syndrome . . . . . (R95)  | 115    | 4.8                     | 24.8           | 3                                       | Sudden infant death syndrome . . . . . (R95)  | 484    | 8.6                     | 43.3           |
| 4                             | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 110    | 4.6                     | 23.7           | 4                                       | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 308    | 5.5                     | 27.5           |
| 5                             | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 90     | 3.8                     | 19.4           | 5                                       | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 228    | 4.0                     | 20.4           |
| 6                             | Bacterial sepsis of newborn . . . . . (P36)   | 75     | 3.2                     | 16.2           | 6                                       | Accidents (unintentional injuries) . . . (V01-X59)  | 222    | 3.9                     | 19.8           |
| 7                             | Respiratory distress of newborn . . . . . (P22)   | 74     | 3.1                     | 16.0           | 7                                       | Respiratory distress of newborn . . . . . (P22)   | 169    | 3.0                     | 15.1           |
| 8                             | Accidents (unintentional injuries) . . . (V01-X59)  | 72     | 3.0                     | 15.5           | 8                                       | Bacterial sepsis of newborn . . . . . (P36)   | 155    | 2.7                     | 13.9           |
| 9                             | Diseases of the circulatory system . . (I00-I99)  | 52     | 2.2                     | 11.2           | 9                                       | Diseases of the circulatory system . . (I00-I99)  | 128    | 2.3                     | 11.4           |
| 10                            | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 49     | 2.1                     | 10.6           | 10                                      | Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)   | 118    | 2.1                     | 10.5           |
| ...                           | All other causes (residual) . . . . .   | 740    | 31.2                    | 159.7          | ...                                     | All other causes (residual) . . . . .   | 1,595  | 28.2                    | 142.6          |

See footnotes at end of table.

**Table 4. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days to 11 months) deaths per 100,000 live births in specified group. 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 birth and death certificates; see "Technical Notes." National linked files should be used to measure infant mortality for specific Hispanic subgroups. The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                       | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate | Rank <sup>1</sup>              | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate |
|---|---|--------|-------------------------|----------------|--------------------------------|---|--------|-------------------------|----------------|
| Infants, Non-Hispanic black, both sexes |   |        |                         |                | Neonates, Hispanic, both sexes |   |        |                         |                |
| ...                                     | All causes . . . . .  | 8,221  | 100.0                   | 1,420.4        | ...                            | All causes . . . . .  | 3,633  | 100.0                   | 383.9          |
| 1                                       | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 1,748  | 21.3                    | 302.0          | 1                              | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 895    | 24.6                    | 94.6           |
| 2                                       | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 1,041  | 12.7                    | 179.9          | 2                              | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 789    | 21.7                    | 83.4           |
| 3                                       | Sudden infant death syndrome . . . . . (R95)  | 715    | 8.7                     | 123.5          | 3                              | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 261    | 7.2                     | 27.6           |
| 4                                       | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 618    | 7.5                     | 106.8          | 4                              | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 194    | 5.3                     | 20.5           |
| 5                                       | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 307    | 3.7                     | 53.0           | 5                              | Bacterial sepsis of newborn . . . . . (P36)   | 163    | 4.5                     | 17.2           |
| 6                                       | Accidents (unintentional injuries) . . (V01-X59)  | 298    | 3.6                     | 51.5           | 6                              | Respiratory distress of newborn . . . . . (P22)   | 155    | 4.3                     | 16.4           |
| 7                                       | Respiratory distress of newborn . . . . . (P22)   | 282    | 3.4                     | 48.7           | 7                              | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 128    | 3.5                     | 13.5           |
| 8                                       | Bacterial sepsis of newborn . . . . . (P36)   | 263    | 3.2                     | 45.4           | 8                              | Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)   | 100    | 2.8                     | 10.6           |
| 9                                       | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 166    | 2.0                     | 28.7           | 9                              | Atelectasis . . . . . (P28.0-P28.1)   | 95     | 2.6                     | 10.0           |
| 10                                      | Necrotizing enterocolitis of newborn . . . (P77)  | 160    | 1.9                     | 27.6           | 10                             | Necrotizing enterocolitis of newborn . . . (P77)  | 71     | 2.0                     | 7.5            |
| ...                                     | All other causes (residual) . . . . .   | 2,623  | 31.9                    | 453.2          | ...                            | All other causes (residual) . . . . .   | 782    | 21.5                    | 82.6           |
| Infants, Non-Hispanic black, male       |   |        |                         |                | Neonates, Hispanic, male       |   |        |                         |                |
| ...                                     | All causes . . . . .  | 4,613  | 100.0                   | 1,565.2        | ...                            | All causes . . . . .  | 2,015  | 100.0                   | 417.3          |
| 1                                       | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 991    | 21.5                    | 336.2          | 1                              | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 458    | 22.7                    | 94.8           |
| 2                                       | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 551    | 11.9                    | 187.0          | 2                              | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 451    | 22.4                    | 93.4           |
| 3                                       | Sudden infant death syndrome . . . . . (R95)  | 429    | 9.3                     | 145.6          | 3                              | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 153    | 7.6                     | 31.7           |
| 4                                       | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 334    | 7.2                     | 113.3          | 4                              | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 105    | 5.2                     | 21.7           |
| 5                                       | Respiratory distress of newborn . . . . . (P22)   | 164    | 3.6                     | 55.6           | 5                              | Bacterial sepsis of newborn . . . . . (P36)   | 92     | 4.6                     | 19.1           |
| 6                                       | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 160    | 3.5                     | 54.3           | 6                              | Respiratory distress of newborn . . . . . (P22)   | 90     | 4.5                     | 18.6           |
| 7                                       | Accidents (unintentional injuries) . . (V01-X59)  | 159    | 3.4                     | 53.9           | 7                              | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 81     | 4.0                     | 16.8           |
| 8                                       | Bacterial sepsis of newborn . . . . . (P36)   | 152    | 3.3                     | 51.6           | 8                              | Atelectasis . . . . . (P28.0-P28.1)   | 59     | 2.9                     | 12.2           |
| 9                                       | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 103    | 2.2                     | 34.9           | 9                              | Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)   | 55     | 2.7                     | 11.4           |
| 10                                      | Necrotizing enterocolitis of newborn . . . (P77)  | 92     | 2.0                     | 31.2           | 10                             | Necrotizing enterocolitis of newborn . . . (P77)  | 37     | 1.8                     | 7.7            |
| ...                                     | All other causes (residual) . . . . .   | 1,478  | 32.0                    | 501.5          | ...                            | All other causes (residual) . . . . .   | 434    | 21.5                    | 89.9           |
| Infants, Non-Hispanic black, female     |   |        |                         |                | Neonates, Hispanic, female     |   |        |                         |                |
| ...                                     | All causes . . . . .  | 3,608  | 100.0                   | 1,270.2        | ...                            | All causes . . . . .  | 1,618  | 100.0                   | 349.1          |
| 1                                       | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 757    | 21.0                    | 266.5          | 1                              | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 444    | 27.4                    | 95.8           |
| 2                                       | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 490    | 13.6                    | 172.5          | 2                              | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 331    | 20.5                    | 71.4           |
| 3                                       | Sudden infant death syndrome . . . . . (R95)  | 286    | 7.9                     | 100.7          | 3                              | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 108    | 6.7                     | 23.3           |
| 4                                       | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 284    | 7.9                     | 100.0          | 4                              | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 89     | 5.5                     | 19.2           |
| 5                                       | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 147    | 4.1                     | 51.8           | 5                              | Bacterial sepsis of newborn . . . . . (P36)   | 71     | 4.4                     | 15.3           |
| 6                                       | Accidents (unintentional injuries) . . (V01-X59)  | 139    | 3.9                     | 48.9           | 6                              | Respiratory distress of newborn . . . . . (P22)   | 65     | 4.0                     | 14.0           |
| 7                                       | Respiratory distress of newborn . . . . . (P22)   | 118    | 3.3                     | 41.5           | 7                              | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 47     | 2.9                     | 10.1           |
| 8                                       | Bacterial sepsis of newborn . . . . . (P36)   | 111    | 3.1                     | 39.1           | 8                              | Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)   | 45     | 2.8                     | 9.7            |
| 9                                       | Necrotizing enterocolitis of newborn . . . (P77)  | 68     | 1.9                     | 23.9           | 9                              | Atelectasis . . . . . (P28.0-P28.1)   | 36     | 2.2                     | 7.8            |
| 10                                      | Diseases of the circulatory system . . (I00-I99)  | 66     | 1.8                     | 23.2           | 10                             | Necrotizing enterocolitis of newborn . . . (P77)  | 34     | 2.1                     | 7.3            |
| ...                                     | All other causes (residual) . . . . .   | 1,142  | 31.7                    | 402.1          | ...                            | All other causes (residual) . . . . .   | 348    | 21.5                    | 75.1           |

See footnotes at end of table.



**Table 4. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days to 11 months) deaths per 100,000 live births in specified group. 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 birth and death certificates; see "Technical Notes." National linked files should be used to measure infant mortality for specific Hispanic subgroups. The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                        | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate | Rank <sup>1</sup>                        | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate |
|--|---|--------|-------------------------|----------------|--|---|--------|-------------------------|----------------|
| Neonates, Non-Hispanic white, both sexes |   |        |                         |                | Neonates, Non-Hispanic black, both sexes |   |        |                         |                |
| ...                                      | All causes . . . . .  | 8,638  | 100.0                   | 376.1          | ...                                      | All causes . . . . .  | 5,417  | 100.0                   | 935.9          |
| 1  | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 2,215  | 25.6                    | 96.4           | 1  | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 1,699  | 31.4                    | 293.6          |
| 2  | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 1,804  | 20.9                    | 78.5           | 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 672    | 12.4                    | 116.1          |
| 3  | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 740    | 8.6                     | 32.2           | 3  | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 612    | 11.3                    | 105.7          |
| 4  | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 484    | 5.6                     | 21.1           | 4  | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 304    | 5.6                     | 52.5           |
| 5  | Respiratory distress of newborn . . . . . (P22)   | 375    | 4.3                     | 16.3           | 5  | Respiratory distress of newborn . . . . . (P22)   | 261    | 4.8                     | 45.1           |
| 6  | Bacterial sepsis of newborn . . . . . (P36)   | 332    | 3.8                     | 14.5           | 6  | Bacterial sepsis of newborn . . . . . (P36)   | 248    | 4.6                     | 42.8           |
| 7  | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 268    | 3.1                     | 11.7           | 7  | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 163    | 3.0                     | 28.2           |
| 8  | Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)   | 261    | 3.0                     | 11.4           | 8  | Necrotizing enterocolitis of newborn . . . . (P77)  | 134    | 2.5                     | 23.2           |
| 9  | Atelectasis . . . . . (P28.0-P28.1)   | 202    | 2.3                     | 8.8            | 9  | Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)   | 111    | 2.0                     | 19.2           |
| 10                                       | Necrotizing enterocolitis of newborn . . . . (P77)  | 147    | 1.7                     | 6.4            | 10                                       | Atelectasis . . . . . (P28.0-P28.1)   | 101    | 1.9                     | 17.5           |
| ...                                      | All other causes (residual) . . . . .   | 1,810  | 21.0                    | 78.8           | ...                                      | All other causes (residual) . . . . .   | 1,112  | 20.5                    | 192.1          |
| Neonates, Non-Hispanic white, male       |   |        |                         |                | Neonates, Non-Hispanic black, male       |   |        |                         |                |
| ...                                      | All causes . . . . .  | 4,866  | 100.0                   | 413.0          | ...                                      | All causes . . . . .  | 3,008  | 100.0                   | 1,020.6        |
| 1  | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 1,171  | 24.1                    | 99.4           | 1  | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 963    | 32.0                    | 326.7          |
| 2  | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 1,022  | 21.0                    | 86.7           | 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 361    | 12.0                    | 122.5          |
| 3  | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 433    | 8.9                     | 36.8           | 3  | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 330    | 11.0                    | 112.0          |
| 4  | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 257    | 5.3                     | 21.8           | 4  | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 158    | 5.3                     | 53.6           |
| 5  | Respiratory distress of newborn . . . . . (P22)   | 221    | 4.5                     | 18.8           | 5  | Respiratory distress of newborn . . . . . (P22)   | 153    | 5.1                     | 51.9           |
| 6  | Bacterial sepsis of newborn . . . . . (P36)   | 186    | 3.8                     | 15.8           | 6  | Bacterial sepsis of newborn . . . . . (P36)   | 142    | 4.7                     | 48.2           |
| 7  | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 169    | 3.5                     | 14.3           | 7  | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 102    | 3.4                     | 34.6           |
| 8  | Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)   | 149    | 3.1                     | 12.6           | 8  | Necrotizing enterocolitis of newborn . . . . (P77)  | 77     | 2.6                     | 26.1           |
| 9  | Atelectasis . . . . . (P28.0-P28.1)   | 129    | 2.7                     | 10.9           | 9  | Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)   | 64     | 2.1                     | 21.7           |
| 10                                       | Necrotizing enterocolitis of newborn . . . . (P77)  | 81     | 1.7                     | 6.9            | 10                                       | Atelectasis . . . . . (P28.0-P28.1)   | 50     | 1.7                     | 17.0           |
| ...                                      | All other causes (residual) . . . . .   | 1,048  | 21.5                    | 89.0           | ...                                      | All other causes (residual) . . . . .   | 608    | 20.2                    | 206.3          |
| Neonates, Non-Hispanic white, female     |   |        |                         |                | Neonates, Non-Hispanic black, female     |   |        |                         |                |
| ...                                      | All causes . . . . .  | 3,772  | 100.0                   | 337.2          | ...                                      | All causes . . . . .  | 2,409  | 100.0                   | 848.1          |
| 1  | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 1,044  | 27.7                    | 93.3           | 1  | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 736    | 30.6                    | 259.1          |
| 2  | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 782    | 20.7                    | 69.9           | 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00-Q99)                              | 311    | 12.9                    | 109.5          |
| 3  | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 307    | 8.1                     | 27.4           | 3  | Newborn affected by maternal complications of pregnancy . . . . . (P01)   | 282    | 11.7                    | 99.3           |
| 4  | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 227    | 6.0                     | 20.3           | 4  | Newborn affected by complications of placenta, cord and membranes . . . . . (P02)                                   | 146    | 6.1                     | 51.4           |
| 5  | Respiratory distress of newborn . . . . . (P22)   | 154    | 4.1                     | 13.8           | 5  | Respiratory distress of newborn . . . . . (P22)   | 108    | 4.5                     | 38.0           |
| 6  | Bacterial sepsis of newborn . . . . . (P36)   | 146    | 3.9                     | 13.1           | 6  | Bacterial sepsis of newborn . . . . . (P36)   | 106    | 4.4                     | 37.3           |
| 7  | Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)   | 112    | 3.0                     | 10.0           | 7  | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 61     | 2.5                     | 21.5           |
| 8  | Neonatal hemorrhage . . . . . (P50-P52,P54)   | 99     | 2.6                     | 8.9            | 8  | Necrotizing enterocolitis of newborn . . . . (P77)  | 57     | 2.4                     | 20.1           |
| 9  | Atelectasis . . . . . (P28.0-P28.1)   | 73     | 1.9                     | 6.5            | 9  | Atelectasis . . . . . (P28.0-P28.1)   | 51     | 2.1                     | 18.0           |
| 10                                       | Necrotizing enterocolitis of newborn . . . . (P77)  | 66     | 1.7                     | 5.9            | 10                                       | Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)   | 47     | 2.0                     | 16.5           |
| ...                                      | All other causes (residual) . . . . .   | 762    | 20.2                    | 68.1           | ...                                      | All other causes (residual) . . . . .   | 504    | 20.9                    | 177.4          |

See footnotes at end of table.

**Table 4. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days to 11 months) deaths per 100,000 live births in specified group. 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 birth and death certificates; see "Technical Notes." National linked files should be used to measure infant mortality for specific Hispanic subgroups. The asterisk (\*) preceding the cause-of-death codes indicates that they are not part of the *International Classification of Diseases, Tenth Revision* (ICD-10); see "Technical Notes"]

| Rank <sup>1</sup>                  | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate | Rank <sup>1</sup>                            | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate |
|------------------------------------|---|--------|-------------------------|----------------|--|---|--------|-------------------------|----------------|
| Postneonates, Hispanic, both sexes |   |        |                         |                | Postneonates, Non-Hispanic white, both sexes |   |        |                         |                |
| ...                                | All causes . . . . .  | 1,688  | 100.0                   | 178.4          | ...  | All causes . . . . .  | 4,408  | 100.0                   | 191.9          |
| 1                                  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 383    | 22.7                    | 40.5           | 1  | Sudden infant death syndrome . . . . . (R95)  | 1,058  | 24.0                    | 46.1           |
| 2                                  | Sudden infant death syndrome . . . . . (R95)  | 256    | 15.2                    | 27.1           | 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 801    | 18.2                    | 34.9           |
| 3                                  | Accidents (unintentional injuries) . . . . . (V01–X59)  | 145    | 8.6                     | 15.3           | 3  | Accidents (unintentional injuries) . . . . . (V01–X59)  | 483    | 11.0                    | 21.0           |
| 4                                  | Diseases of the circulatory system . . . . . (I00–I99)  | 71     | 4.2                     | 7.5            | 4  | Diseases of the circulatory system . . . . . (I00–I99)  | 186    | 4.2                     | 8.1            |
| 5                                  | Assault (homicide) . . . . . (*U01,X85–Y09)   | 63     | 3.7                     | 6.7            | 5  | Assault (homicide) . . . . . (*U01,X85–Y09)   | 122    | 2.8                     | 5.3            |
| 6                                  | Septicemia . . . . . (A40–A41)  | 55     | 3.3                     | 5.8            | 6  | Septicemia . . . . . (A40–A41)  | 112    | 2.5                     | 4.9            |
| 7                                  | Influenza and pneumonia . . . . . (J10–J18)   | 53     | 3.1                     | 5.6            | 6  | Influenza and pneumonia . . . . . (J10–J18)   | 112    | 2.5                     | 4.9            |
| 7                                  | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)                               | 53     | 3.1                     | 5.6            | 8  | Chronic respiratory disease originating in the perinatal period . . . . . (P27)                                     | 96     | 2.2                     | 4.2            |
| 9                                  | Chronic respiratory disease originating in the perinatal period . . . . . (P27)                                     | 35     | 2.1                     | 3.7            | 9  | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)                               | 89     | 2.0                     | 3.9            |
| 10                                 | Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)                 | 27     | 1.6                     | 2.9            | 10   | Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)                 | 44     | 1.0                     | 1.9            |
| ...                                | All other causes (residual) . . . . .   | 547    | 32.4                    | 57.8           | ...  | All other causes (residual) . . . . .   | 1,305  | 29.6                    | 56.8           |
| Postneonates, Hispanic, male       |   |        |                         |                | Postneonates, Non-Hispanic white, male       |   |        |                         |                |
| ...                                | All causes . . . . .  | 933    | 100.0                   | 193.2          | ...  | All causes . . . . .  | 2,533  | 100.0                   | 215.0          |
| 1                                  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 171    | 18.3                    | 35.4           | 1  | Sudden infant death syndrome . . . . . (R95)  | 628    | 24.8                    | 53.3           |
| 2                                  | Sudden infant death syndrome . . . . . (R95)  | 153    | 16.4                    | 31.7           | 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 401    | 15.8                    | 34.0           |
| 3                                  | Accidents (unintentional injuries) . . . . . (V01–X59)  | 81     | 8.7                     | 16.8           | 3  | Accidents (unintentional injuries) . . . . . (V01–X59)  | 300    | 11.8                    | 25.5           |
| 4                                  | Diseases of the circulatory system . . . . . (I00–I99)  | 38     | 4.1                     | 7.9            | 4  | Diseases of the circulatory system . . . . . (I00–I99)  | 103    | 4.1                     | 8.7            |
| 5                                  | Influenza and pneumonia . . . . . (J10–J18)   | 37     | 4.0                     | 7.7            | 5  | Septicemia . . . . . (A40–A41)  | 68     | 2.7                     | 5.8            |
| 5                                  | Assault (homicide) . . . . . (*U01,X85–Y09)   | 37     | 4.0                     | 7.7            | 6  | Assault (homicide) . . . . . (*U01,X85–Y09)   | 66     | 2.6                     | 5.6            |
| 7                                  | Septicemia . . . . . (A40–A41)  | 36     | 3.9                     | 7.5            | 7  | Influenza and pneumonia . . . . . (J10–J18)   | 65     | 2.6                     | 5.5            |
| 8                                  | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)                               | 28     | 3.0                     | 5.8            | 8  | Chronic respiratory disease originating in the perinatal period . . . . . (P27)                                     | 62     | 2.4                     | 5.3            |
| 9                                  | Chronic respiratory disease originating in the perinatal period . . . . . (P27)                                     | 23     | 2.5                     | 4.8            | 9  | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)                               | 55     | 2.2                     | 4.7            |
| 10                                 | Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)                 | 18     | 1.9                     | *              | 10   | Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)                 | 30     | 1.2                     | 2.5            |
| ...                                | All other causes (residual) . . . . .   | 311    | 33.3                    | 64.4           | ...  | All other causes (residual) . . . . .   | 755    | 29.8                    | 64.1           |
| Postneonates, Hispanic, female     |   |        |                         |                | Postneonates, Non-Hispanic white, female     |   |        |                         |                |
| ...                                | All causes . . . . .  | 755    | 100.0                   | 162.9          | ...  | All causes . . . . .  | 1,875  | 100.0                   | 167.6          |
| 1                                  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 212    | 28.1                    | 45.7           | 1  | Sudden infant death syndrome . . . . . (R95)  | 430    | 22.9                    | 38.4           |
| 2                                  | Sudden infant death syndrome . . . . . (R95)  | 103    | 13.6                    | 22.2           | 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)                            | 400    | 21.3                    | 35.8           |
| 3                                  | Accidents (unintentional injuries) . . . . . (V01–X59)  | 64     | 8.5                     | 13.8           | 3  | Accidents (unintentional injuries) . . . . . (V01–X59)  | 183    | 9.8                     | 16.4           |
| 4                                  | Diseases of the circulatory system . . . . . (I00–I99)  | 33     | 4.4                     | 7.1            | 4  | Diseases of the circulatory system . . . . . (I00–I99)  | 83     | 4.4                     | 7.4            |
| 5                                  | Assault (homicide) . . . . . (*U01,X85–Y09)   | 26     | 3.4                     | 5.6            | 5  | Assault (homicide) . . . . . (*U01,X85–Y09)   | 56     | 3.0                     | 5.0            |
| 6                                  | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)                               | 25     | 3.3                     | 5.4            | 6  | Influenza and pneumonia . . . . . (J10–J18)   | 47     | 2.5                     | 4.2            |
| 7                                  | Septicemia . . . . . (A40–A41)  | 19     | 2.5                     | *              | 7  | Septicemia . . . . . (A40–A41)  | 44     | 2.3                     | 3.9            |
| 8                                  | Influenza and pneumonia . . . . . (J10–J18)   | 16     | 2.1                     | *              | 8  | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)                               | 34     | 1.8                     | 3.0            |
| 9                                  | Chronic respiratory disease originating in the perinatal period . . . . . (P27)                                     | 12     | 1.6                     | *              | 8  | Chronic respiratory disease originating in the perinatal period . . . . . (P27)                                     | 34     | 1.8                     | 3.0            |
| 10                                 | Malignant neoplasms . . . . . (C00–C97)   | 11     | 1.5                     | *              | 10   | Respiratory distress of newborn . . . . . (P22)   | 15     | 0.8                     | *              |
| ...                                | All other causes (residual) . . . . .   | 234    | 31.0                    | 50.5           | ...  | All other causes (residual) . . . . .   | 549    | 29.3                    | 49.1           |

See footnotes at end of table.

**Table 4. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death by Hispanic origin, race for non-Hispanic population, and sex: United States, 2004—Con.**

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| Rank <sup>1</sup>                            | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate | Rank <sup>1</sup>                        | Cause of death (based on the <i>International Classification of Diseases, Tenth Revision, 1992</i> ), race, and sex | Number | Percent of total deaths | Mortality rate |
|--|---|--------|-------------------------|----------------|--|---|--------|-------------------------|----------------|
| Postneonates, Non-Hispanic black, both sexes |   |        |                         |                | Postneonates, Non-Hispanic black, female |   |        |                         |                |
| ...  | All causes . . . . .  | 2,804  | 100.0                   | 484.5          | ...                                      | All causes . . . . .  | 1,199  | 100.0                   | 422.1          |
| 1  | Sudden infant death syndrome . . . . .(R95)   | 651    | 23.2                    | 112.5          | 1  | Sudden infant death syndrome . . . . .(R95)   | 256    | 21.4                    | 90.1           |
| 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                              | 369    | 13.2                    | 63.8           | 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                              | 179    | 14.9                    | 63.0           |
| 3  | Accidents (unintentional injuries) . . . (V01–X59)  | 276    | 9.8                     | 47.7           | 3  | Accidents (unintentional injuries) . . . (V01–X59)  | 126    | 10.5                    | 44.4           |
| 4  | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)                               | 123    | 4.4                     | 21.3           | 4  | Diseases of the circulatory system . . . (I00–I99)  | 51     | 4.3                     | 18.0           |
| 5  | Diseases of the circulatory system . . . (I00–I99)  | 109    | 3.9                     | 18.8           | 5  | Assault (homicide) . . . . .(*U01,X85–Y09)  | 49     | 4.1                     | 17.3           |
| 6  | Chronic respiratory disease originating in the perinatal period . . . . .(P27)                                      | 105    | 3.7                     | 18.1           | 6  | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)                               | 46     | 3.8                     | 16.2           |
| 7  | Influenza and pneumonia . . . . . (J10–J18)   | 92     | 3.3                     | 15.9           | 6  | Chronic respiratory disease originating in the perinatal period . . . . .(P27)                                      | 46     | 3.8                     | 16.2           |
| 8  | Septicemia . . . . .(A40–A41)   | 90     | 3.2                     | 15.6           | 8  | Septicemia . . . . .(A40–A41)   | 39     | 3.3                     | 13.7           |
| 9  | Assault (homicide) . . . . .(*U01,X85–Y09)  | 89     | 3.2                     | 15.4           | 9  | Influenza and pneumonia . . . . . (J10–J18)   | 38     | 3.2                     | 13.4           |
| 10   | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 49     | 1.7                     | 8.5            | 10                                       | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 21     | 1.8                     | 7.4            |
| ...  | All other causes (residual) . . . . .   | 851    | 30.3                    | 147.0          | ...                                      | All other causes (residual) . . . . .   | 348    | 29.0                    | 122.5          |
| Postneonates, Non-Hispanic black, male       |   |        |                         |                |  |   |        |                         |                |
| ...  | All causes . . . . .  | 1,605  | 100.0                   | 544.6          |  |   |        |                         |                |
| 1  | Sudden infant death syndrome . . . . .(R95)   | 395    | 24.6                    | 134.0          |  |   |        |                         |                |
| 2  | Congenital malformations, deformations and chromosomal abnormalities . . . . (Q00–Q99)                              | 190    | 11.8                    | 64.5           |  |   |        |                         |                |
| 3  | Accidents (unintentional injuries) . . . (V01–X59)  | 150    | 9.3                     | 50.9           |  |   |        |                         |                |
| 4  | Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)                               | 77     | 4.8                     | 26.1           |  |   |        |                         |                |
| 5  | Chronic respiratory disease originating in the perinatal period . . . . .(P27)                                      | 59     | 3.7                     | 20.0           |  |   |        |                         |                |
| 6  | Diseases of the circulatory system . . . (I00–I99)  | 58     | 3.6                     | 19.7           |  |   |        |                         |                |
| 7  | Influenza and pneumonia . . . . . (J10–J18)   | 54     | 3.4                     | 18.3           |  |   |        |                         |                |
| 8  | Septicemia . . . . .(A40–A41)   | 51     | 3.2                     | 17.3           |  |   |        |                         |                |
| 9  | Assault (homicide) . . . . .(*U01,X85–Y09)  | 40     | 2.5                     | 13.6           |  |   |        |                         |                |
| 10   | Disorders related to short gestation and low birth weight, not elsewhere classified . . (P07)                       | 28     | 1.7                     | 9.5            |  |   |        |                         |                |
| ...  | All other causes (residual) . . . . .   | 503    | 31.3                    | 170.7          |  |   |        |                         |                |

... Category not applicable.

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

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

## 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 (D.C.) in 2004. The U.S. Standard Certificate of Death—which is used as a model by the states—was revised for use beginning with 2003 (22,23). Prior to this, it had last been revised for use beginning with 1989 (24,25). This report includes data for several areas (California, Idaho, Michigan, Montana, New Jersey, New York City, New York State, Oklahoma, South Dakota, Washington, and Wyoming) that used the 2003 revision throughout 2004; two states (New Hampshire and Connecticut) that implemented the 2003 revision for part of 2004; and the remaining areas, including D.C., which continued to use the 1989 revision in 2004. Although Connecticut began using the 2003 revision of the death certificate in early 2004, data from this state could not be transmitted to NCHS in the revised format and were converted into the 1989 format and layout for transmission to NCHS. Most of the items presented in this report are largely comparable despite changes to item wording and format in 2003; hence, data from both groups of reporting areas are combined unless otherwise stated.

Information from death certificates is coded by the states and provided to the National Center for Health Statistics (NCHS) through the Vital Statistics Cooperative Program and from copies of the original certificates received by NCHS from the state registration offices. In 2004, all the states and D.C. participated in this program and submitted part or all of the mortality data for 2004 in electronic data files to NCHS.

### Cause-of-death classification

The mortality statistics presented here were compiled in accordance with the World Health Organization (WHO) regulations, which specify that member nations classify and code causes of death in accordance with the current revision of the *International Statistical Classification of Diseases and Related Health Problems* (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) (4).

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 Manuals* (26–28). The manuals include rules for selecting the underlying cause of death for tabulation purposes, definitions, tabulation lists, and regulations on the use of the classification.

Before 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) (29), multiple cause codes serve as inputs to the computer software that employs WHO rules to select the underlying cause. Many states have implemented ACME and provide multiple cause and underlying cause data

to NCHS in electronic form; for those states that have not, NCHS coded the mortality medical data using ACME.

The ACME system is used to select the underlying cause of death for all death certificates in the United States. In addition, NCHS has developed two computer systems as inputs to ACME. Beginning with 1990 data, the Mortality Medical Indexing, Classification, and Retrieval system (MICAR) (30,31), 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.

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 that produced the fatal injury (4). 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 (32–34).

### Terrorism-related deaths

Starting in 2001, terrorism deaths are classified using a set of codes and guidelines developed by NCHS within the framework of ICD-10 (35,36). The codes developed include \*U01–\*U02 for terrorism involving an assault (homicide) and \*U03 for terrorism involving intentional self-harm (suicide). The asterisk (\*) preceding these codes indicates that the code was introduced by the United States, but is not officially part of the ICD. Codes from the “U” chapter of ICD-10 were selected because this chapter was reserved specifically for “future additions and changes and for possible interim classifications to solve difficulties arising at the national and international levels between revisions (4).” To maintain international comparability in reporting homicide and suicide rates, deaths coded to \*U01–\*U02 are included in tabulations of leading causes of death with other homicides (\*U01–\*U02, X85–Y09, Y87.1) and deaths coded to \*U03 are included with other suicides (\*U03, X60–X84, Y87.0). No terrorism deaths were represented in 2004 mortality statistics.

### Race and Hispanic origin

Race and Hispanic origin are reported separately on the death certificate. Therefore, data shown by race include persons of Hispanic or 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 or African American, American Indian or Alaska Native (AIAN), 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.

The 2003 revision of the U.S. Standard Certificate of Death allows the reporting of more than one race (multiple races) (23). This change was implemented to reflect the increasing diversity of the U.S. population and is consistent with the decennial census. The race and ethnicity items on the revised certificate are compliant with the new standards issued by the Office of Management and Budget (OMB) in 1997, which mandate the collection of more than one race for federal data (37). In addition, the new certificate is compliant with the OMB mandated minimum of five races to be reported for federal data. Multiple race includes any combination of white, black or African American, AIAN, and API. If two or more specific subgroups such as Korean and Chinese are reported, these count as a single race of Asian rather than as multiple races.

In 2004, multiple race was reported on the revised death certificates of California, Idaho, Michigan, Montana, New Hampshire, New Jersey, New York, Oklahoma, South Dakota, Washington, and Wyoming, as well as on the unrevised certificates of Hawaii, Maine, Minnesota, and Wisconsin. More than one race was reported for 0.5 percent of the records in the 14 states for which multiple race reporting has been implemented (because New Hampshire did not report multiple race for the entire data year, it was not included in this computation). Data from the remaining states and D.C. are based on the 1989 revision of the U.S. Standard Certificate of Death, which follows the older 1977 OMB standard of allowing only a single race to be reported (38,24). In addition, these states report a minimum of four races as stipulated by said standard: white, black or African American, AIAN, and API.

In order to provide uniformity and comparability of the data during the transition to the new multiple-race format, it was necessary to bridge the responses of those who reported multiple races to one, single race in a procedure similar to that used to bridge multiracial population estimates (39,40). Multiracial decedents are imputed to a single race (either white, black, AIAN, or API) according to their combination of races, Hispanic origin, sex, and age indicated on the death certificate. The imputation procedure is described in detail at [http://www.cdc.gov/nchs/data/dvs/Multiple\\_race\\_docu\\_5-10-04.pdf](http://www.cdc.gov/nchs/data/dvs/Multiple_race_docu_5-10-04.pdf).

Mortality data for the Hispanic origin population are based on deaths to residents of all 50 states and D.C. 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, AIAN, and API persons should be interpreted with caution because of misreporting of race on the death certificate (41,42,43). 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 is obtained while the individual is alive and is self-reported or reported

by another member of the household familiar with the individual and, therefore, may be considered more valid. A high level of agreement between the death certificate and the census or survey report is essential to assure unbiased death rates by race.

Studies (42,44) show that a person self-reported as AIAN, API, or Hispanic origin 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 and for Hispanic origin. In addition, undercoverage of some minority groups in the census and resultant population estimates, introduces biases into death rates by race and Hispanic origin (41,45,46). For a more detailed discussion, see "Deaths: Final Data for 2004" (3).

*Other races and race not stated*—Beginning in 1992 all records coded as "Other races" (0.16 percent of the total deaths in 2004) were assigned to the specified race of the previous record. Records where race was unknown, not stated, or not classifiable (0.16 percent) were assigned the racial designation of the previous record.

*Infant mortality rates*—For 2004, as in previous years, infant 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 mortality rates because live births are the denominators of these rates (47,48).

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 (25,47,48).

Infant mortality rates for specified race are subject to error because of reporting problems that affect the classification of race on the birth (race of mother) and death (race of infant) certificates for the same infant. Infant mortality rates by specified race are more accurate when based on the linked file of infant deaths and live births (49). The linked file computes infant mortality rates using the race of the mother from the birth certificate in both the numerator and denominator. Race information on the birth certificate is considered to be more accurate than that on the death certificate because, on the birth certificate, race is generally reported by the mother at the time of delivery. Estimates of reporting 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 (41,49).

Infant mortality rates for the Hispanic-origin population are based on numbers of resident infant deaths reported to be of Hispanic origin and numbers of resident live births by Hispanic origin of mother for the United States. In computing infant mortality rates, deaths and live births of unknown origin are not distributed among the specified Hispanic and non-Hispanic groups. The percentage of infant deaths of unknown origin was 0.9 and the percentage of live births to mothers of unknown origin was 0.8 for the United States in 2004. Infant mortality rates by Hispanic origin are more accurate when based on linked files of infant deaths and live births (49).



## Computation of rates and population bases

Rates in this report (except for infant mortality rates) are crude death rates presented per 100,000 estimated population in a specified group. Population estimates represent the population at risk of dying in a specified group. The populations used for computing death rates in this report are estimates for July 1, 2004, and were produced under a collaborative arrangement with the U.S. Census Bureau (50). Reflecting the new standards for the classification of race and ethnicity issued in 1997 by OMB, Census 2000 included an option for individuals to report more than one race, as appropriate, for themselves and household members (37). In addition, the standards specified five minimum race categories to be used for tabulation (American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White). This is a modification of the previous 1977 OMB standards in which only four race categories were specified (Asian or Pacific Islander persons were treated as a single group) and respondents reported only one of the four categories (38). Death certificates from most reporting areas currently collect only one race for the decedent according to the 1977 OMB guidelines and are, thus, incompatible with population data based on the 2000 census for calculating death rates.

In order to produce 2000 populations with race categories comparable to those still used on most death certificates, the enumerated population data with multiple race categories was bridged back to single race categories. In addition, the 2000 census counts were modified to be consistent with the old OMB racial categories (i.e., data for Asian persons and Native Hawaiian or other Pacific Islanders were combined into a single category, Asian or Pacific Islander). The procedures used to produce the bridged populations are described in separate publications (39,40). 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, a few states collected multiple race data on the death certificate. Once all states begin collecting data on race according to the new OMB standards, it is expected that the use of bridged populations will be discontinued.

It is important to emphasize that the population data used to calculate the race-specific mortality statistics presented in this report are based on special estimation procedures and are not true counts. The estimation procedures used to develop these populations are subject to error. Smaller populations (e.g., AIANs) are likely to be affected much more than larger populations (39). Although the nature and magnitude of these errors are unknown, the potential for error should be kept in mind when evaluating trends and differentials. Over the next several years, additional information will be incorporated in the estimation procedures, resulting in more robust race-specific population estimates.

Population estimates by race, sex, and the age categories presented in this report are shown in [Table I](#). Population estimates by Hispanic origin, race for the non-Hispanic population, sex, and age are shown in [Table II](#).

Infant mortality rates are the most commonly used index for measuring the risk of dying during the first year of life. Infant mortality rates use the number of live births to approximate the population at risk of dying before the first birthday. They are calculated by dividing the number of infant deaths in a calendar year by the number of live births registered for the same period and are presented as rates per 100,000 live births. Neonatal and postneonatal mortality rates are also calcu-

lated using live births in the denominator. For final birth figures used in the denominator for infant mortality rates, see "Births: Final Data for 2004" (51).

## Random variation

The mortality data presented in this report are not subject to sampling error. However, mortality data, even based on complete counts, may be affected by random variation. When the number of events is small (perhaps less than 100) and the probability of such an event is small, caution must be observed when interpreting mortality data. This is less problematic when analyzing the relative ranking of causes of death because the observed frequency of deaths for any particular cause is fixed for any given group in any given year, and the ranking is based on that fixed value. Nevertheless, when comparing rankings based on small numbers of deaths between groups or over time, it is important to be aware that differences in relative rankings may be attributable to random variability (see reference 3 for a more detailed discussion of random variation and formulas for calculating standard errors for death rates and infant mortality rates).

**Table I. Estimated population by age, race, and sex: United States, July 1, 2004**

| Age                         | All races   |             |             | White       |             |             | Black      |            |            | American Indian or Alaska Native |           |           | Asian or Pacific Islander |           |           |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|----------------------------------|-----------|-----------|---------------------------|-----------|-----------|
|                             | Total       | Male        | Female      | Total       | Male        | Female      | Total      | Male       | Female     | Total                            | Male      | Female    | Total                     | Male      | Female    |
| Total . . . . .             | 293,655,404 | 144,537,402 | 149,118,002 | 238,268,102 | 117,915,508 | 120,352,594 | 38,600,765 | 18,416,886 | 20,183,879 | 3,148,484                        | 1,572,049 | 1,576,435 | 13,638,053                | 6,632,959 | 7,005,094 |
| Less than 1 year . . . . .  | 4,077,187   | 2,085,436   | 1,991,751   | 3,176,265   | 1,625,299   | 1,550,966   | 661,160    | 337,225    | 323,935    | 43,272                           | 22,026    | 21,246    | 196,490                   | 100,886   | 95,604    |
| 1-4 years . . . . .         | 15,994,081  | 8,177,557   | 7,816,524   | 12,461,493  | 6,380,698   | 6,080,795   | 2,599,363  | 1,319,973  | 1,279,390  | 178,321                          | 90,367    | 87,954    | 754,904                   | 386,519   | 368,385   |
| 5-9 years . . . . .         | 19,605,571  | 10,029,138  | 9,576,433   | 15,259,271  | 7,825,472   | 7,433,799   | 3,165,794  | 1,609,100  | 1,556,694  | 270,499                          | 137,606   | 132,893   | 910,007                   | 456,960   | 453,047   |
| 10-14 years . . . . .       | 21,145,157  | 10,831,140  | 10,314,017  | 16,374,577  | 8,403,763   | 7,970,814   | 3,554,103  | 1,804,546  | 1,749,557  | 301,671                          | 152,498   | 149,173   | 914,806                   | 470,333   | 444,473   |
| 15-19 years . . . . .       | 20,729,802  | 10,635,394  | 10,094,408  | 16,228,480  | 8,346,154   | 7,882,326   | 3,292,700  | 1,669,159  | 1,623,541  | 298,759                          | 152,040   | 146,719   | 909,863                   | 468,041   | 441,822   |
| 20-24 years . . . . .       | 20,971,303  | 10,802,989  | 10,168,314  | 16,499,007  | 8,550,196   | 7,948,811   | 3,148,204  | 1,579,118  | 1,569,086  | 285,574                          | 147,603   | 137,971   | 1,038,518                 | 526,072   | 512,446   |
| 25-34 years . . . . .       | 40,031,937  | 20,336,031  | 19,695,906  | 31,506,447  | 16,204,754  | 15,301,693  | 5,535,770  | 2,649,620  | 2,886,150  | 471,466                          | 244,135   | 227,331   | 2,518,254                 | 1,237,522 | 1,280,732 |
| 35-44 years . . . . .       | 44,108,652  | 22,033,878  | 22,074,774  | 35,619,055  | 17,993,795  | 17,625,260  | 5,732,303  | 2,695,431  | 3,036,872  | 465,813                          | 232,555   | 233,258   | 2,291,481                 | 1,112,097 | 1,179,384 |
| 45-54 years . . . . .       | 41,618,805  | 20,452,674  | 21,166,131  | 34,444,360  | 17,115,739  | 17,328,621  | 4,929,108  | 2,278,248  | 2,650,860  | 396,380                          | 192,286   | 204,094   | 1,848,957                 | 866,401   | 982,556   |
| 55-64 years . . . . .       | 29,078,923  | 13,999,435  | 15,079,488  | 24,803,473  | 12,062,385  | 12,741,088  | 2,900,104  | 1,292,946  | 1,607,158  | 235,866                          | 113,559   | 122,307   | 1,139,480                 | 530,545   | 608,935   |
| 65 years and over . . . . . | 36,293,986  | 15,153,730  | 21,140,256  | 31,895,674  | 13,407,253  | 18,488,421  | 3,082,156  | 1,181,520  | 1,900,636  | 200,863                          | 87,374    | 113,489   | 1,115,293                 | 477,583   | 637,710   |
| 65-74 years . . . . .       | 18,463,473  | 8,427,628   | 10,035,845  | 15,952,643  | 7,357,705   | 8,594,938   | 1,732,803  | 721,663    | 1,011,140  | 120,668                          | 55,762    | 64,906    | 657,359                   | 292,498   | 364,861   |
| 75-84 years . . . . .       | 12,970,882  | 5,218,229   | 7,752,653   | 11,562,349  | 4,688,373   | 6,873,976   | 994,740    | 359,196    | 635,544    | 59,781                           | 24,999    | 34,782    | 354,012                   | 145,661   | 208,351   |
| 85 years and over . . . . . | 4,859,631   | 1,507,873   | 3,351,758   | 4,380,682   | 1,361,175   | 3,019,507   | 354,613    | 100,661    | 253,952    | 20,414                           | 6,613     | 13,801    | 103,922                   | 39,424    | 64,498    |

NOTE: These population estimates are based on the 2000 Census; see "Technical Notes."

SOURCE: U.S. Bureau of the Census.

**Table II. Estimated population by age, Hispanic origin, race for non-Hispanic population, and sex: United States, July 1, 2004**

| Age                         | All origins |             |             | Hispanic   |            |            | Non-Hispanic |             |             | Non-Hispanic white |            |             | Non-Hispanic black |            |            |
|-----------------------------|-------------|-------------|-------------|------------|------------|------------|--------------|-------------|-------------|--------------------|------------|-------------|--------------------|------------|------------|
|                             | Total       | Male        | Female      | Total      | Male       | Female     | Total        | Male        | Female      | Total              | Male       | Female      | Total              | Male       | Female     |
| Total . . . . .             | 293,655,404 | 144,537,402 | 149,118,002 | 41,322,073 | 21,347,067 | 19,975,006 | 252,333,331  | 123,190,335 | 129,142,996 | 199,775,516        | 97,986,186 | 101,789,330 | 36,921,613         | 17,591,122 | 19,330,491 |
| Less than 1 year . . . . .  | 4,077,187   | 2,085,436   | 1,991,751   | 906,645    | 463,176    | 443,469    | 3,170,542    | 1,622,260   | 1,548,282   | 2,311,447          | 1,183,535  | 1,127,912   | 633,727            | 323,126    | 310,601    |
| 1-4 years . . . . .         | 15,994,081  | 8,177,557   | 7,816,524   | 3,463,280  | 1,769,126  | 1,694,154  | 12,530,801   | 6,408,431   | 6,122,370   | 9,182,432          | 4,705,654  | 4,476,778   | 2,481,257          | 1,259,543  | 1,221,714  |
| 5-9 years . . . . .         | 19,605,571  | 10,029,138  | 9,576,433   | 3,877,702  | 1,983,441  | 1,894,261  | 15,727,869   | 8,045,697   | 7,682,172   | 11,694,649         | 6,001,560  | 5,693,089   | 2,981,080          | 1,514,942  | 1,466,138  |
| 10-14 years . . . . .       | 21,145,157  | 10,831,140  | 10,314,017  | 3,784,494  | 1,935,255  | 1,849,239  | 17,360,663   | 8,895,885   | 8,464,778   | 12,892,725         | 6,621,768  | 6,270,957   | 3,375,341          | 1,713,974  | 1,661,367  |
| 15-19 years . . . . .       | 20,729,802  | 10,635,394  | 10,094,408  | 3,332,814  | 1,721,907  | 1,610,907  | 17,396,988   | 8,913,487   | 8,483,501   | 13,155,572         | 6,756,738  | 6,398,834   | 3,144,057          | 1,593,352  | 1,550,705  |
| 20-24 years . . . . .       | 20,971,303  | 10,802,989  | 10,168,314  | 3,764,766  | 2,072,562  | 1,692,204  | 17,206,537   | 8,730,427   | 8,476,110   | 13,003,017         | 6,619,253  | 6,383,764   | 2,995,173          | 1,499,742  | 1,495,431  |
| 25-34 years . . . . .       | 40,031,937  | 20,336,031  | 19,695,906  | 7,616,544  | 4,162,557  | 3,453,987  | 32,415,393   | 16,173,474  | 16,241,919  | 24,395,789         | 12,301,121 | 12,094,668  | 5,238,855          | 2,504,230  | 2,734,625  |
| 35-44 years . . . . .       | 44,108,652  | 22,033,878  | 22,074,774  | 6,160,458  | 3,241,840  | 2,918,618  | 37,948,194   | 18,792,038  | 19,156,156  | 29,873,175         | 14,957,489 | 14,915,686  | 5,488,073          | 2,577,874  | 2,910,199  |
| 45-54 years . . . . .       | 41,618,805  | 20,452,674  | 21,166,131  | 4,028,291  | 2,022,757  | 2,005,534  | 37,590,514   | 18,429,917  | 19,160,597  | 30,694,282         | 15,228,450 | 15,465,832  | 4,764,636          | 2,200,194  | 2,564,442  |
| 55-64 years . . . . .       | 29,078,923  | 13,999,435  | 15,079,488  | 2,222,088  | 1,057,912  | 1,164,176  | 26,856,835   | 12,941,523  | 13,915,312  | 22,722,334         | 11,070,814 | 11,651,520  | 2,814,236          | 1,253,399  | 1,560,837  |
| 65 years and over . . . . . | 36,293,986  | 15,153,730  | 21,140,256  | 2,164,991  | 916,534    | 1,248,457  | 34,128,995   | 14,237,196  | 19,891,799  | 29,850,094         | 12,539,804 | 17,310,290  | 3,005,178          | 1,150,746  | 1,854,432  |
| 65-74 years . . . . .       | 18,463,473  | 8,427,628   | 10,035,845  | 1,270,259  | 565,561    | 704,698    | 17,193,214   | 7,862,067   | 9,331,147   | 14,755,436         | 6,823,868  | 7,931,568   | 1,686,037          | 701,718    | 984,319    |
| 75-84 years . . . . .       | 12,970,882  | 5,218,229   | 7,752,653   | 684,511    | 279,593    | 404,918    | 12,286,371   | 4,938,636   | 7,347,735   | 10,913,284         | 4,422,410  | 6,490,874   | 971,702            | 350,614    | 621,088    |
| 85 years and over . . . . . | 4,859,631   | 1,507,873   | 3,351,758   | 210,221    | 71,380     | 138,841    | 4,649,410    | 1,436,493   | 3,212,917   | 4,181,374          | 1,293,526  | 2,887,848   | 347,439            | 98,414     | 249,025    |

NOTE: These population estimates are based on the 2000 Census; see "Technical Notes."

SOURCE: U.S. Bureau of the Census.

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