

Deaths: Leading Causes for 2016

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Abstract

Objectives—This report presents final 2016 data on the 10 leading causes of death in the United States by age, sex, race, and Hispanic origin. Leading causes of infant, neonatal, and postneonatal death are also presented. This report supplements “Deaths: Final Data for 2016,” the National Center for Health Statistics’ 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 2016. Causes of death classified by the *International Classification of Diseases, Tenth Revision* are ranked according to the number of deaths assigned to rankable causes. Cause-of-death statistics are based on the underlying cause of death.

Results—In 2016, the 10 leading causes of death were, in rank order: Diseases of heart; Malignant neoplasms; Accidents (unintentional injuries); Chronic lower respiratory diseases; Cerebrovascular diseases; Alzheimer’s disease; Diabetes mellitus; Influenza and pneumonia; Nephritis, nephrotic syndrome and nephrosis; and Intentional self-harm (suicide). They accounted for 74% of all deaths occurring in the United States. Differences in the rankings are evident by age, sex, race, and Hispanic origin. Leading causes of infant death for 2016 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; Bacterial sepsis of newborn; Respiratory distress of newborn; Diseases of the circulatory system; and Neonatal hemorrhage. Important variations in the leading causes of infant death are noted for the neonatal and postneonatal periods.

Keywords: mortality • racial and ethnic differences • sex differences • 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 the selection is made and on the rules applied in making the selection. Different cause lists and 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 currently used by the 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 data are based on the underlying cause of death.

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 mortality risk as depicted by mortality rates. The rank of a specific cause (i.e., 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 declining.

Note also that rankings do not necessarily denote the causes of death of greatest public health importance. Some causes of

death of public health significance 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”), although they can be identified using the standard mortality tabulation lists. If these causes were included in the current rankings, lung cancer would be placed among the 10 leading causes of death with a rank of 4th, whereas Motor vehicle accidents would rank 13th. However, each of these is incorporated into 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 from the rankable causes. 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, note that the rank of a specific cause may remain the same 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 2016 data on leading causes of death in the United States by age, sex, race, and Hispanic origin. These data accompany the release of final national mortality statistics for 2016, which are presented in a separate report (3). Further detail beyond that published in this report is provided in leading-cause work tables, available from: https://www.cdc.gov/nchs/nvss/mortality_tables.htm#icod_hr. 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 2016. Death certificates are generally completed by funeral directors, attending physicians, medical examiners, and coroners. Cause-of-death statistics for 2016 presented in this report are classified in accordance with the 10th revision of ICD (ICD–10) (4). Discussions of the cause-of-death classification and coding rule changes in data year 2016 are provided in the [Technical Notes](#) at the end of this report.

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 criterion because it most accurately reflects the frequency of cause-specific mortality. Changes in the number of deaths in 2016 compared with 2015 were tested for statistical significance. Unless otherwise specified, reported changes are statistically significant. Additional information on statistical testing is described elsewhere (3).

Although crude death rates could technically be used as the ranking criterion because the population denominator of each rate is constant across all cause-of-death categories, these rates 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 criterion. This is especially problematic when ranking causes of death for small population subgroups or geographic areas, because 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 (2) was the “List of 64 Selected Causes of Death,” prepared for use with the sixth revision of ICD. With each subsequent ICD revision, 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 and Enterocolitis due to *Clostridium difficile*” (6) shown in [Table A](#) is used to select 51 rankable causes (denoted by #) from which the leading causes presented in [Table 1](#) are derived. Enterocolitis due to *Clostridium difficile* was added to the list of rankable causes in data year 2006 because of a substantial increase in the number of deaths due to this cause from 1999 through 2006 (7,8).

Selection of the 51 rankable causes was guided by some basic principles. As in the past, vaguely defined categories were 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 containing subcategories (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

Table A. List of 113 selected causes of death and Enterocolitis due to *Clostridium difficile*[An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision* (ICD-10)]

| Number ¹ | Cause of death (based on ICD-10) |
|---------------------|--|
| 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,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,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) |

Table A. List of 113 selected causes of death and Enterocolitis due to *Clostridium difficile*—Con.[An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Number ¹ | Cause of death (based on ICD-10) |
|---------------------|--|
| | 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) |
| 60# | Essential hypertension and hypertensive renal disease (I10,I12,I15) |
| 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 (J09-J18) |
| 66 | Influenza (J09-J11) |
| 67 | Pneumonia (J12-J18) |
| | Other acute lower respiratory infections (J20-J22,U04) |
| 68# | Acute bronchitis and bronchiolitis (J20-J21) |
| 69 | Other and unspecified acute lower respiratory infection (J22,U04) |
| # | 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,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, 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) |

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| Number ¹ | Cause of death (based on ICD-10) |
|---------------------|--|
| | 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) |
| # | Enterocolitis due to <i>Clostridium difficile</i> (A04.7) ² |

¹Causes labeled # are ranked to determine leading causes of death for specified population groups. Only mutually exclusive categories are numbered.²Included in "Certain other intestinal infections (A04,A07–A09)" shown above.

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 Table 2 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 aged 1 year and over are presented in Table 1 for the following age categories: 1–4, 5–9, 10–14, 15–19, 20–24, 25–34, 35–44, 45–54, 55–64, 65 and over, 65–74, 75–84, and 85 and over. This set of age categories was adopted in 1999 in response to an increasing number of requests from data users for more age detail, and it represents a substantial expansion from the age categories previously used in these tables to present leading-cause data (9). Leading causes by 5-year, 10-year, and selected age groupings are published on the NCHS website at: https://www.cdc.gov/nchs/nvss/mortality_tables.htm#lcod_hr. In this report, a discussion of leading causes by age uses the following summary age categories: 1–9, 10–24, 25–44, 45–64, 65 and over, and 85 and over. Table 2, which presents data for infants (under age 1 year), also shows leading causes of death for the age subcategories neonatal (under 28 days) and postneonatal (28 days through 11 months).

The age grouping used when ranking causes of death can have an impact on the rankings assigned to any particular age (10). For example, in 2016, the rankings for the 10 leading causes of death for a 35-year-old woman were slightly different depending on whether the ranking was based on the age group 35–39 or 35–44. To illustrate, the category Influenza and

pneumonia was not ranked among the 10 leading causes for women aged 35–39, but it was ranked 10th for women aged 35–44. Pregnancy, childbirth and the puerperium was ranked 9th for women aged 35–39, but it was not ranked in the top 10 for women aged 35–44. Each aggregation of age resulted in a different understanding of the relative importance of these two causes for women at or near age 35.

Data by race and Hispanic origin

This report presents combined race and Hispanic-origin categories as: non-Hispanic white, non-Hispanic black, non-Hispanic American Indian or Alaska Native (AIAN), non-Hispanic Asian or Pacific Islander (API), and Hispanic. Race and Hispanic origin are reported separately on the death certificate; therefore, leading-cause data presented in this report for non-Hispanic decedents reflect a combination of these two characteristics. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race, although data for non-Hispanic persons are. Because of net misclassification of race and Hispanic origin on the death certificate, deaths for the non-Hispanic AIAN population are underreported by 33%, the non-Hispanic API population by 3%, and the Hispanic-origin population by 3% (11). Consequently, data for these groups should generally be interpreted with caution. However, racial or ethnic misclassification should not have a major impact on the cause-of-death rankings for the race and Hispanic-origin groups, or prevent comparisons of relative mortality burden across groups, because there is no reason to expect that racial or ethnic misclassification varies by cause of death.

Table B. List of 130 selected causes of infant death[An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Number ¹ | Cause of death (based on ICD-10) |
|---------------------|---|
| | 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,U04) |
| 45# | Acute upper respiratory infections (J00–J06) |
| # | Influenza and pneumonia (J09–J18) |
| 46 | Influenza (J09–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) |

Table B. List of 130 selected causes of infant death—Con.[An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Number ¹ | Cause of death (based on ICD-10) |
|---------------------|---|
| 52 | Other and unspecified diseases of respiratory system (J22,J30–J39,J43–J44,J47–J68,J70–J98,U04) |
| | 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) |
| | 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) |

Table B. List of 130 selected causes of infant death—Con.[An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Number ¹ | Cause of death (based on ICD-10) |
|---------------------|--|
| 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) |
| | 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 (Y10–Y36) |

¹Causes labeled # are ranked to determine leading causes of infant death for specified population groups. Only mutually exclusive categories are numbered.

Results

In 2016, the 10 leading causes of death accounted for 74.1% of all deaths occurring in the United States. The rank order of causes in 2016 remained the same as in 2015 (12), with two exceptions: Accidents (unintentional injuries) and Chronic lower respiratory diseases (CLRD) switched ranks to become the third and fourth leading causes of death, respectively. The top two causes, Diseases of heart (heart disease) and Malignant neoplasms (cancer), accounted for 44.9% of all deaths in 2016. Unintentional injuries, CLRD, and Cerebrovascular diseases (stroke), which ranked fifth, together accounted for 16.7% of all deaths in 2016. Completing the top 10 for 2016 were Alzheimer's disease (6th); Diabetes mellitus (diabetes) (7th); Influenza and pneumonia (8th); Nephritis, nephrotic syndrome and nephrosis (kidney disease) (9th); and Intentional self-harm (suicide) (10th) (Table C); these five causes accounted for 12.5% of deaths in 2016.

The number of deaths due to four leading causes increased significantly from 2015 to 2016: Unintentional injuries by 10.1%,

Alzheimer's disease by 5.0%, suicide by 1.7%, and stroke by 1.3% (Table C). The number of deaths due to Influenza and pneumonia decreased significantly by 9.7% from 2015 to 2016.

Differences by sex

Similarities were observed in the ranking of certain causes of death among males and females in 2016. For both populations, heart disease and cancer ranked as the first and second leading causes of death, respectively (Figure 1, Table 1). In 2016, heart disease accounted for 24.2% of all deaths to males and 22.0% of all deaths to females. Cancer accounted for 22.5% of deaths to males and 21.1% of deaths to females. For both populations, CLRD ranked fourth, accounting for 5.2% of deaths to males and 6.1% of deaths to females.

Males and females diverged in the ranking of other causes of death. In 2016, unintentional injuries was the third leading cause of death for males, accounting for 7.4% of deaths in this group, but it was the sixth leading cause for females, accounting

Table C. Deaths and percentage of total deaths for the 10 leading causes of death: United States, 2015 and 2016

[An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Cause of death (based on ICD-10) | Rank ¹ | 2016 | | 2015 | |
|---|-------------------|-----------|-------------------------|-----------|-------------------------|
| | | Deaths | Percent of total deaths | Deaths | Percent of total deaths |
| All causes | ... | 2,744,248 | 100.0 | 2,712,630 | 100.0 |
| Diseases of heart (I00-I09,I11,I13,I20-I51) | 1 | 635,260 | 23.1 | 633,842 | 23.4 |
| Malignant neoplasms (C00-C97) | 2 | 598,038 | 21.8 | 595,930 | 22.0 |
| Accidents (unintentional injuries) (V01-X59,Y85-Y86) | 3 | 161,374 | 5.9 | 146,571 | 5.4 |
| Chronic lower respiratory diseases (J40-J47) | 4 | 154,596 | 5.6 | 155,041 | 5.7 |
| Cerebrovascular diseases (I60-I69) | 5 | 142,142 | 5.2 | 140,323 | 5.2 |
| Alzheimer's disease (G30) | 6 | 116,103 | 4.2 | 110,561 | 4.1 |
| Diabetes mellitus (E10-E14) | 7 | 80,058 | 2.9 | 79,535 | 2.9 |
| Influenza and pneumonia (J09-J18) | 8 | 51,537 | 1.9 | 57,062 | 2.1 |
| Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27) | 9 | 50,046 | 1.8 | 49,959 | 1.8 |
| Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) | 10 | 44,965 | 1.6 | 44,193 | 1.6 |

... Category not applicable.

¹Based on number of deaths.

SOURCE: NCHS, National Vital Statistics System, Mortality.

for 4.3% of deaths (Figure 1, Table 1). Stroke ranked fifth for males but third for females. Females had a higher relative burden of mortality from stroke, which accounted for 6.2% of all deaths to females but 4.2% of all deaths to males. Diabetes ranked sixth for males (3.1% of deaths) but seventh for females (2.7% of deaths). Alzheimer's disease ranked seventh for males, accounting for 2.5% of deaths, but it ranked fifth for females, accounting for 6.0% of deaths. Kidney disease accounted for 1.8% of deaths in both populations but ranked 10th for males and 9th for females.

Additionally, some of the 10 leading causes of death were unique to each population in 2016. Suicide ranked eighth for

males (2.5% of deaths) but was not ranked among the 10 leading causes for females. Chronic liver disease and cirrhosis was the ninth leading cause for males (1.8% of deaths), but it was not in the top 10 for females. Influenza and pneumonia ranked 8th (2.0% of deaths) and Septicemia ranked 10th (1.6% of deaths) for females, but neither was among the 10 leading causes of death for males.

The rank order of several leading causes changed from 2015 (12) to 2016. For males, Alzheimer's disease and suicide switched ranks to become the seventh and eighth leading causes, respectively; Chronic liver disease and cirrhosis moved up from 10th to 9th rank; kidney disease moved up into the top

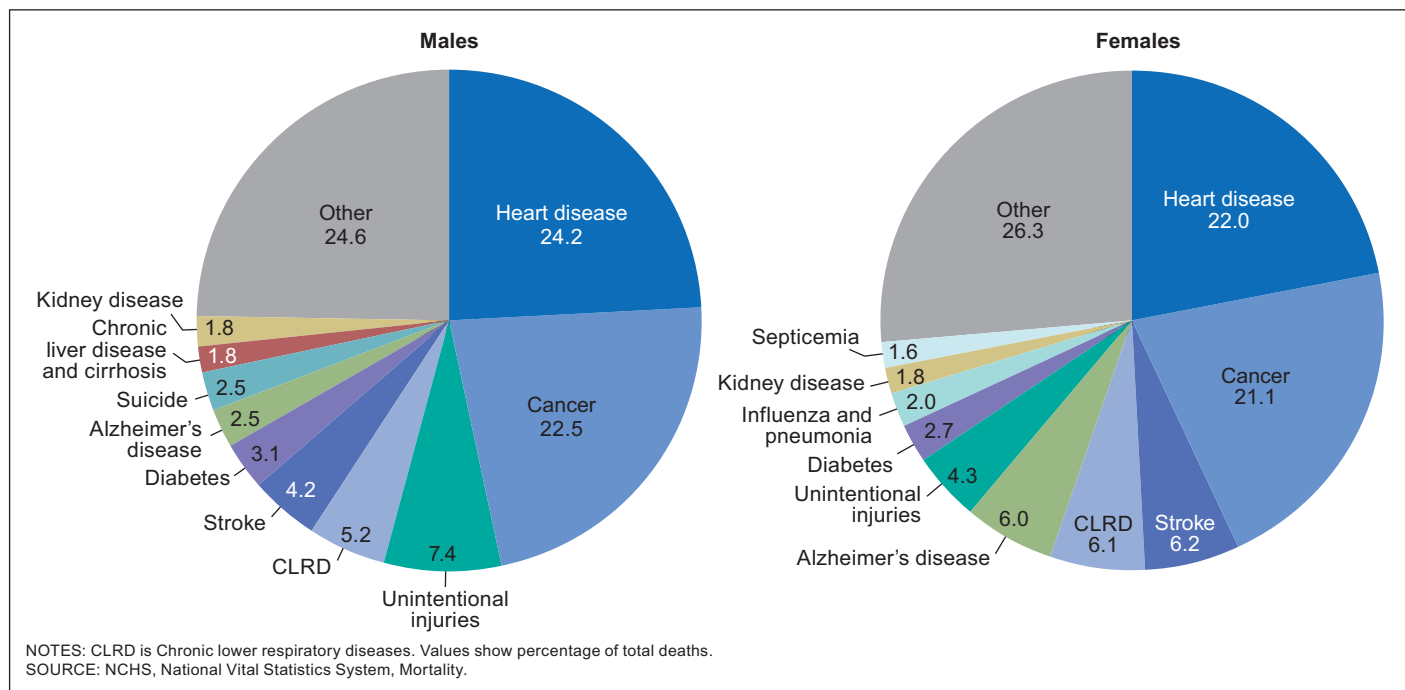


Figure 1. Percent distribution of the 10 leading causes of death, by sex: United States, 2016

10, becoming the 10th leading cause of death; and Influenza and pneumonia dropped out of the top 10. For females, stroke and CLRD switched ranks to become the third and fourth leading causes of death, respectively.

Differences by age

In 2016, the leading cause of death varied by age group (Figure 2). The leading cause of death for the population aged 1–44 was unintentional injuries. The relative burden of mortality from this cause was far greater at younger ages, accounting for 31.3% of all deaths for age group 1–9, 41.4% of deaths for age group 10–24, and 33.2% of deaths for age group 25–44. In contrast, unintentional injuries was the third leading cause of death for age group 45–64 (8.4% of deaths), the sixth leading cause for those aged 85 and over (2.7% of deaths), and the seventh leading cause for those aged 65 and over (2.7% of deaths). For the population aged 45–64, the leading cause of death was cancer, accounting for 29.2% of deaths. Cancer was the second leading cause for the populations aged 65 and over (21.1% of deaths), 1–9 (12.6% of deaths), 85 and over (12.1% of deaths), and 25–44 (10.9% of deaths), and it was the fourth leading cause for those aged 10–24 (5.2% of deaths). For the population aged 65 and over, heart disease was the leading cause of death, accounting for 25.3% of deaths. It was also the leading cause of death for the population aged 85 and over, accounting for 28.9% of deaths. However, heart disease was the fifth leading cause for age groups 1–9 and 10–24 (3.0% of deaths each); the fourth leading cause for age group 25–44 (10.3% of deaths); and the second leading cause for age group 45–64 (20.9% of deaths).

Other patterns in the leading causes of death were observed by age group (Figure 2). Generally, for younger age groups, external causes accounted for more deaths than other causes, whereas for older age groups, chronic diseases were far more prevalent than other causes. For the population aged 1–44, homicide and suicide were major causes of death: Homicide was the third leading cause of death for age group 10–24 (14.9% of deaths), the fourth leading cause for age group 1–9 (7.3% of deaths), and the fifth leading cause for age group 25–44 (6.5% of deaths). It was not among the 10 leading causes for the population aged 45 and over. Suicide was the second leading cause of death for age group 10–24 (17.3% of deaths) and the third leading cause for age group 25–44 (10.6% of deaths). In contrast, it was the eighth leading cause for those aged 45–64 (3.0% of deaths) and was not among the 10 leading causes for the populations aged 65 and over or 85 and over. Congenital malformations, deformations and chromosomal abnormalities (congenital malformations) was a more prevalent cause of death at the youngest ages. It was the third leading cause for age group 1–9 (9.7% of deaths) and the sixth leading cause for age group 10–24 (1.5% of deaths), but it was not among the 10 leading causes for the population aged 25 and over. Additional causes consistently ranked among the 10 leading causes for those aged 1–44 include stroke, Influenza and pneumonia, and diabetes. Chronic liver disease and cirrhosis and HIV disease were among the leading causes of death for those aged 25–44.

For the population aged 45 and over, CLRD and stroke were major causes of death. CLRD was the third leading cause of death for those aged 65 and over (6.5% of deaths), the fourth leading cause for age group 45–64 (4.1% of deaths), and the fifth leading cause for those aged 85 and over (5.1% of deaths). In contrast, it ranked seventh for age groups 1–9 (1.8% of deaths) and 10–24 (0.8% of deaths), and it was not a top 10 cause of death for age group 25–44. Stroke was the fourth leading cause for the populations aged 85 and over (7.3% of deaths) and 65 and over (6.1% of deaths). However, it was the seventh leading cause for age group 45–64 (3.3% of deaths), the eighth leading cause for age group 25–44 (1.8% of deaths), the ninth leading cause for age group 1–9 (1.4% of deaths), and the 10th leading cause for age group 10–24 (0.6% of deaths). Alzheimer's disease was one of the major causes of death at the oldest ages, ranking third for those aged 85 and over (9.1% of deaths) and fifth for those aged 65 and over (5.7% of deaths). It was not one of the 10 leading causes for the population aged 64 and under. Additional leading causes more prevalent among the population aged 45 and over were diabetes, kidney disease, Chronic liver disease and cirrhosis, and Influenza and pneumonia.

Differences by race and Hispanic origin

Table D shows variation across five race and Hispanic-origin groups in the 10 leading causes of death in 2016. Deaths for the non-Hispanic AIAN, non-Hispanic API, and Hispanic populations are underreported to varying degrees on the death certificate (3,11). The five groups shared seven of the leading causes in common but had different relative disease burdens. Heart disease was the first leading cause of death for the non-Hispanic white, non-Hispanic black, and non-Hispanic AIAN populations, but it was the second leading cause for the non-Hispanic API and Hispanic populations. The relative burden of mortality from heart disease was 17.9% in the non-Hispanic AIAN population compared with 23.5% in the non-Hispanic white population, 23.4% in the non-Hispanic black population, 21.3% in the non-Hispanic API population, and 20.1% in the Hispanic population (Table D). Cancer was the first leading cause of death for the non-Hispanic API and Hispanic populations, but it was the second leading cause for the non-Hispanic white, non-Hispanic black, and non-Hispanic AIAN groups. Cancer accounted for 26.0% of all deaths in the non-Hispanic API population, 21.9% in the non-Hispanic white population, 21.3% in the non-Hispanic black population, 20.9% in the Hispanic population, and 17.3% in the non-Hispanic AIAN population. CLRD ranked third for the non-Hispanic white population, accounting for 6.3% of deaths in this group, but it ranked sixth for the non-Hispanic AIAN (4.6% of deaths) and non-Hispanic black (3.3% of deaths) populations, and eighth for the non-Hispanic API and Hispanic populations (2.8% of deaths each). Unintentional injuries, stroke, Alzheimer's disease, and diabetes also ranked among the top 10 causes of death for each race and Hispanic-origin group. Unintentional injuries ranked fourth for the non-Hispanic white (5.7% of deaths), non-Hispanic black (5.5% of deaths), and non-Hispanic API (4.5% of deaths) populations, but it ranked third for the non-Hispanic AIAN (11.3% of deaths) and

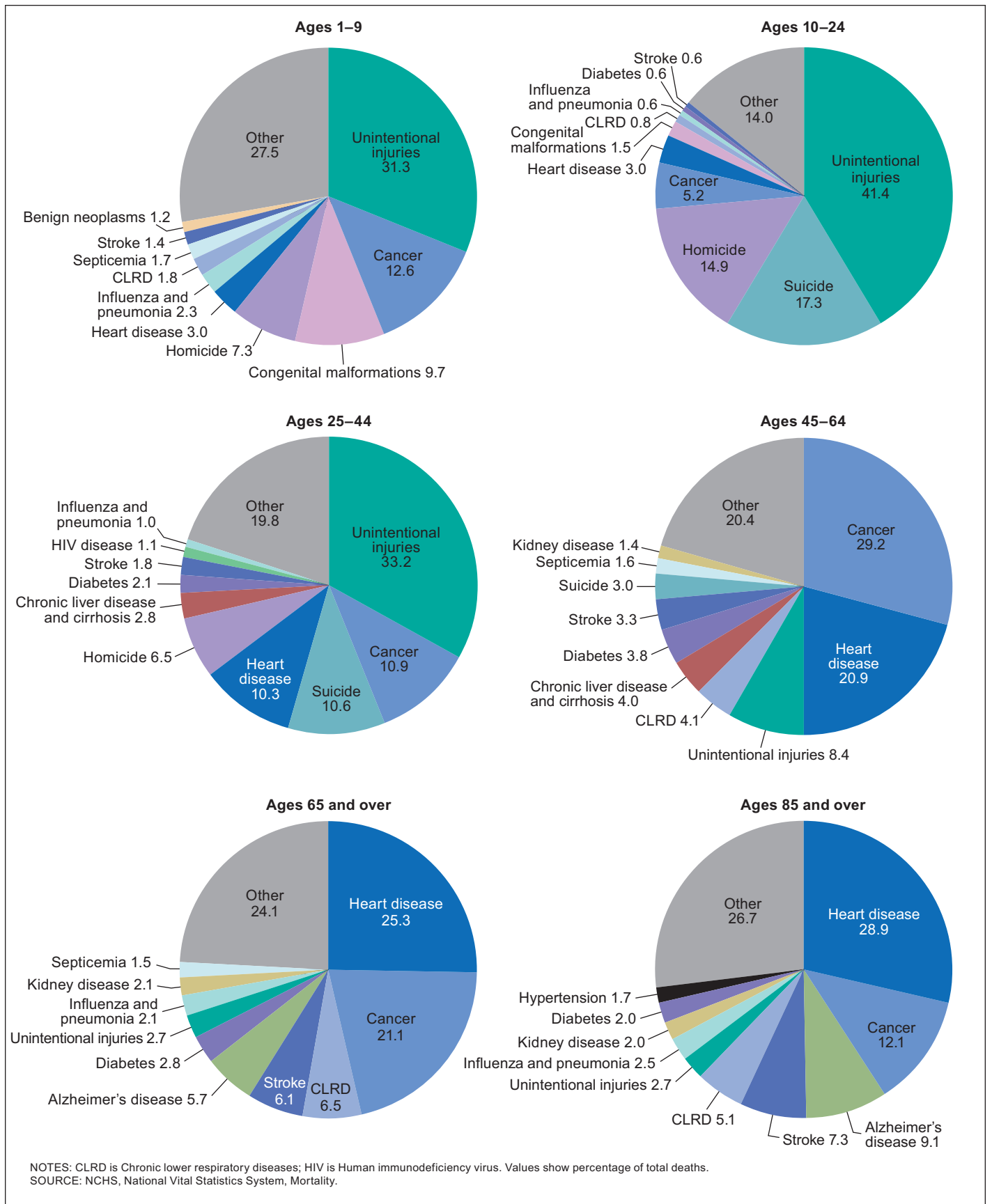


Figure 2. Percent distribution of the 10 leading causes of death, by age group: United States, 2016

Table D. Deaths and percentage of total deaths for the 10 leading causes of death, by race and Hispanic origin: United States, 2016

[Race and Hispanic origin are reported separately on the death certificate. Persons of Hispanic origin may be of any race. Data for Hispanic persons are not tabulated by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Cause of death (based on ICD-10) | Non-Hispanic white | | | Non-Hispanic black | | | Non-Hispanic American Indian or Alaska Native | | | Non-Hispanic Asian or Pacific Islander | | | Hispanic | | |
|---|--------------------|-----------|-------------------------|--------------------|---------|-------------------------|---|--------|-------------------------|--|--------|-------------------------|-------------------|---------|-------------------------|
| | Rank ¹ | Deaths | Percent of total deaths | Rank ¹ | Deaths | Percent of total deaths | Rank ¹ | Deaths | Percent of total deaths | Rank ¹ | Deaths | Percent of total deaths | Rank ¹ | Deaths | Percent of total deaths |
| All causes | ... | 2,133,463 | 100.0 | ... | 326,810 | 100.0 | ... | 18,595 | 100.0 | ... | 68,235 | 100.0 | ... | 188,254 | 100.0 |
| Diseases of heart (I00-I09,I11,I13,I20-I51) | 1 | 500,631 | 23.5 | 1 | 76,608 | 23.4 | 1 | 3,332 | 17.9 | 2 | 14,519 | 21.3 | 2 | 37,799 | 20.1 |
| Malignant neoplasms (C00-C97) | 2 | 466,467 | 21.9 | 2 | 69,725 | 21.3 | 2 | 3,225 | 17.3 | 1 | 17,718 | 26.0 | 1 | 39,263 | 20.9 |
| Chronic lower respiratory diseases (J40-J47) | 3 | 135,268 | 6.3 | 6 | 10,838 | 3.3 | 6 | 853 | 4.6 | 8 | 1,914 | 2.8 | 8 | 5,287 | 2.8 |
| Accidents (unintentional injuries). (V01-X59,Y85-Y86) | 4 | 121,641 | 5.7 | 4 | 18,089 | 5.5 | 3 | 2,100 | 11.3 | 4 | 3,101 | 4.5 | 3 | 15,711 | 8.3 |
| Cerebrovascular diseases (I60-I69) | 5 | 107,491 | 5.0 | 3 | 18,189 | 5.6 | 7 | 632 | 3.4 | 3 | 5,217 | 7.6 | 4 | 10,283 | 5.5 |
| Alzheimer's disease. (G30) | 6 | 97,779 | 4.6 | 9 | 8,577 | 2.6 | 9 | 377 | 2.0 | 6 | 2,363 | 3.5 | 6 | 6,833 | 3.6 |
| Diabetes mellitus (E10-E14) | 7 | 53,399 | 2.5 | 5 | 14,053 | 4.3 | 4 | 1,078 | 5.8 | 5 | 2,697 | 4.0 | 5 | 8,546 | 4.5 |
| Influenza and pneumonia. (J09-J18) | 8 | 39,748 | 1.9 | 12 | 5,468 | 1.7 | 10 | 360 | 1.9 | 7 | 2,132 | 3.1 | 11 | 3,641 | 1.9 |
| Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) | 9 | 36,531 | 1.7 | 16 | 2,676 | 0.8 | 8 | 580 | 3.1 | 9 | 1,363 | 2.0 | 10 | 3,668 | 1.9 |
| Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27) | 10 | 35,248 | 1.7 | 8 | 9,200 | 2.8 | 11 | 343 | 1.8 | 10 | 1,348 | 2.0 | 9 | 3,775 | 2.0 |
| Septicemia. (A40-A41) | 11 | 30,009 | 1.4 | 10 | 6,684 | 2.0 | 12 | 295 | 1.6 | 12 | 786 | 1.2 | 13 | 2,718 | 1.4 |
| Chronic liver disease and cirrhosis (K70,K73-K74) | 12 | 29,432 | 1.4 | 14 | 3,152 | 1.0 | 5 | 1,010 | 5.4 | 14 | 632 | 0.9 | 7 | 6,141 | 3.3 |
| Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) | 19 | 5,600 | 0.3 | 7 | 9,860 | 3.0 | 13 | 279 | 1.5 | 18 | 365 | 0.5 | 12 | 3,187 | 1.7 |

... Category not applicable.

¹Based on number of deaths. 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.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Hispanic (8.3% of deaths) populations. Stroke ranked fifth for the non-Hispanic white population but third for the non-Hispanic black and non-Hispanic API populations, fourth for the Hispanic population, and seventh for the non-Hispanic AIAN population. The percentage of deaths attributable to stroke was highest for the non-Hispanic API population (7.6% of all deaths) and lowest for the non-Hispanic AIAN population (3.4% of deaths). Alzheimer's disease ranked sixth for the non-Hispanic white (4.6% of deaths), Hispanic (3.6% of deaths), and non-Hispanic API (3.5% of deaths) populations but ninth for the non-Hispanic black (2.6% of deaths) and non-Hispanic AIAN (2.0% of deaths) populations. Diabetes ranked seventh for the non-Hispanic white population (2.5% of deaths) but fourth for the non-Hispanic AIAN population (5.8% of deaths), and fifth for the Hispanic (4.5% of deaths), non-Hispanic black (4.3% of deaths), and non-Hispanic API (4.0% of deaths) populations.

Some of the leading causes were shared by some groups but not by others. Influenza and pneumonia ranked 7th for the non-Hispanic API population, 8th for the non-Hispanic white population, and 10th for the non-Hispanic AIAN population, but it was not ranked in the 10 leading causes of death for the non-Hispanic black and Hispanic populations. Suicide was not ranked in the top 10 for the non-Hispanic black population, but it was among the 10 leading causes for the other four groups: 8th for the non-Hispanic AIAN population, 9th for the non-Hispanic white and non-Hispanic API populations, and 10th for the Hispanic population. Kidney disease ranked 8th for the non-Hispanic black population, 9th for the Hispanic population, and 10th for the non-Hispanic white and non-Hispanic API populations, but it was not one of the top 10 causes of death for the non-Hispanic AIAN population. Chronic liver disease and cirrhosis ranked fifth for the non-Hispanic AIAN population and seventh for the Hispanic population, but it was not among the 10 leading causes for the other groups.

Furthermore, one group had unique leading causes. For the non-Hispanic black population, homicide ranked 7th and Septicemia 10th, but these causes were not ranked among the top 10 for the other race and Hispanic-origin groups.

The rank order of several leading causes changed from 2015 (12) to 2016. For the non-Hispanic black population, homicide and kidney disease switched ranks to become the 7th and 8th leading causes of death, respectively. For the non-Hispanic AIAN population, Alzheimer's disease moved up into the top 10, becoming the 9th leading cause, and kidney disease dropped out of the top 10. For the non-Hispanic API population, suicide and kidney disease switched ranks to become the 9th and 10th leading causes, respectively. For the Hispanic population, suicide moved up into the top 10, becoming the 10th leading cause, and Influenza and pneumonia dropped out of the top 10.

Leading causes of infant death

The leading cause of infant death in 2016 was congenital malformations, which accounted for 20.8% of all infant deaths (Table E). The second leading cause was Disorders related to short gestation and low birth weight, not elsewhere classified (17.0% of deaths). Sudden infant death syndrome (SIDS) was the third leading cause (6.5% of deaths), and the fourth leading cause was Newborn affected by maternal complications of pregnancy (6.1% of deaths). Unintentional injuries ranked fifth and accounted for 5.3% of deaths. In 2016, 55.5% of infant deaths were attributable to these five leading causes. Other leading causes in 2016 were Newborn affected by complications of placenta, cord and membranes (ranked 6th); Bacterial sepsis of newborn (7th); Respiratory distress of newborn (8th); Diseases of the circulatory system (9th); and Neonatal hemorrhage (10th). Together, these 10 leading causes of infant death accounted for 67.5% of all infant deaths.

Table E. Deaths and percentage of total deaths for the 10 leading causes of infant death: United States, 2015 and 2016

| Cause of death (based on <i>International Classification of Diseases, Tenth Revision</i>) | 2016 | | | 2015 | | |
|---|-------------------|--------|-------------------------|-------------------|--------|-------------------------|
| | Rank ¹ | Deaths | Percent of total deaths | Rank ¹ | Deaths | Percent of total deaths |
| All causes | ... | 23,161 | 100.0 | ... | 23,455 | 100.0 |
| Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 1 | 4,816 | 20.8 | 1 | 4,825 | 20.6 |
| Disorders related to short gestation and low birth weight, not elsewhere classified. (P07) | 2 | 3,927 | 17.0 | 2 | 4,084 | 17.4 |
| Sudden infant death syndrome. (R95) | 3 | 1,500 | 6.5 | 3 | 1,568 | 6.7 |
| Newborn affected by maternal complications of pregnancy (P01) | 4 | 1,402 | 6.1 | 4 | 1,522 | 6.5 |
| Accidents (unintentional injuries). (V01–X59) | 5 | 1,219 | 5.3 | 5 | 1,291 | 5.5 |
| Newborn affected by complications of placenta, cord and membranes (P02) | 6 | 841 | 3.6 | 6 | 910 | 3.9 |
| Bacterial sepsis of newborn (P36) | 7 | 583 | 2.5 | 7 | 599 | 2.6 |
| Respiratory distress of newborn. (P22) | 8 | 488 | 2.1 | 8 | 462 | 2.0 |
| Diseases of the circulatory system (I00–I99) | 9 | 460 | 2.0 | 9 | 428 | 1.8 |
| Neonatal hemorrhage (P50–P52,P54) | 10 | 398 | 1.7 | 10 | 406 | 1.7 |

... Category not applicable.

¹Based on number of deaths.

SOURCE: NCHS, National Vital Statistics System, Mortality.

The rank order of the 10 leading causes of death for infants remained unchanged from 2015 (12) to 2016.

Neonatal and postneonatal mortality

Differences were evident when comparing leading causes of death in the neonatal (under 28 days after birth) and postneonatal (from 28 days through 11 months after birth) periods (Table F). Disorders related to short gestation and low birth weight, not elsewhere classified was the leading cause of neonatal death in 2016. In contrast, congenital malformations was the leading cause of postneonatal death. SIDS—the third leading cause of infant death overall—ranked second for postneonates, whereas congenital malformations ranked second for neonates. The remaining leading causes of neonatal death were characterized by conditions occurring in the perinatal period, whereas in the postneonatal period, the remaining leading causes included several conditions prevalent among the general population. These included unintentional injuries, ranked third; homicide, ranked fifth; Septicemia, ranked seventh; and Influenza and pneumonia, ranked eighth.

The rank order of the 10 leading causes of neonatal deaths remained the same in 2016 as in 2015 (12), with two exceptions: Intrauterine hypoxia and birth asphyxia and Necrotizing enterocolitis of newborn switched ranks to become the 8th and 9th leading causes, respectively. The rankings for the 10 leading causes of postneonatal deaths changed in 2016: Congenital malformations and SIDS switched ranks to become the first and second leading causes of postneonatal deaths, respectively. Additionally, Chronic respiratory disease originating in the perinatal period moved up from 10th to 9th rank, and Disorders related to short gestation and low birth weight moved down from 9th to 10th rank.

Differences in infant mortality, including neonatal and postneonatal mortality, by race and Hispanic origin are detailed in Table 2 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 (11,13–16). Consequently, readers are directed to a report using data from the linked file of live births and infant deaths for better measures of infant mortality by race and Hispanic origin (17).

Table F. Deaths and percentage of total deaths for the 10 leading causes of neonatal and postneonatal deaths: United States, 2016

[Neonatal deaths are those occurring less than 28 days after birth. Postneonatal deaths are those occurring from 28 days through 11 months after birth. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10) | Deaths | Percent of total deaths |
|-------------------|---|--------|-------------------------|
| Neonatal | | | |
| ... | All causes | 15,282 | 100.0 |
| 1 | Disorders related to short gestation and low birth weight, not elsewhere classified (P07) | 3,855 | 25.2 |
| 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 3,394 | 22.2 |
| 3 | Newborn affected by maternal complications of pregnancy (P01) | 1,389 | 9.1 |
| 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 829 | 5.4 |
| 5 | Bacterial sepsis of newborn (P36) | 555 | 3.6 |
| 6 | Respiratory distress of newborn (P22) | 479 | 3.1 |
| 7 | Neonatal hemorrhage (P50–P52,P54) | 391 | 2.6 |
| 8 | Intrauterine hypoxia and birth asphyxia (P20–P21) | 331 | 2.2 |
| 9 | Necrotizing enterocolitis of newborn (P77) | 303 | 2.0 |
| 10 | Atelectasis (P28.0–P28.1) | 261 | 1.7 |
| ... | All other causes (residual) | 3,495 | 22.9 |
| Postneonatal | | | |
| ... | All causes | 7,879 | 100.0 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 1,422 | 18.0 |
| 2 | Sudden infant death syndrome (R95) | 1,380 | 17.5 |
| 3 | Accidents (unintentional injuries) (V01–X59) | 1,084 | 13.8 |
| 4 | Diseases of the circulatory system (I00–I99) | 361 | 4.6 |
| 5 | Assault (homicide) (*U01,X85–Y09) | 253 | 3.2 |
| 6 | Diarrhea and gastroenteritis of infectious origin (A09) | 205 | 2.6 |
| 7 | Septicemia (A40–A41) | 190 | 2.4 |
| 8 | Influenza and pneumonia (J09–J18) | 164 | 2.1 |
| 9 | Chronic respiratory disease originating in the perinatal period (P27) | 89 | 1.1 |
| 10 | Disorders related to short gestation and low birth weight, not elsewhere classified (P07) | 72 | 0.9 |
| ... | All other causes (residual) | 2,659 | 33.7 |

... Category not applicable.

¹Based on number of deaths.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Discussion

This report presents leading causes of death in the United States by age, sex, race, 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 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 demographic groups or over time, careful note should be made 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 fewer 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, 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 and 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 Hispanic origin and sex: United States, 2016

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|---|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| All races and origins, both sexes, all ages ⁴ | | | | | All races and origins, both sexes, 10-14 years | | | | |
| ... | All causes | 2,744,248 | 100.0 | 849.3 | ... | All causes | 3,013 | 100.0 | 14.6 |
| 1 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 635,260 | 23.1 | 196.6 | 1 | Accidents (unintentional injuries)(V01-X59,Y85-Y86) | 847 | 28.1 | 4.1 |
| 2 | Malignant neoplasms(C00-C97) | 598,038 | 21.8 | 185.1 | 2 | Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) | 436 | 14.5 | 2.1 |
| 3 | Accidents (unintentional injuries)(V01-X59,Y85-Y86) | 161,374 | 5.9 | 49.9 | 3 | Malignant neoplasms(C00-C97) | 431 | 14.3 | 2.1 |
| 4 | Chronic lower respiratory diseases . . (J40-J47) | 154,596 | 5.6 | 47.8 | 4 | Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) | 147 | 4.9 | 0.7 |
| 5 | Cerebrovascular diseases(I60-I69) | 142,142 | 5.2 | 44.0 | 5 | Congenital malformations, deformations and chromosomal abnormalities(Q00-Q99) | 146 | 4.8 | 0.7 |
| 6 | Alzheimer's disease(G30) | 116,103 | 4.2 | 35.9 | 6 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 111 | 3.7 | 0.5 |
| 7 | Diabetes mellitus(E10-E14) | 80,058 | 2.9 | 24.8 | 7 | Chronic lower respiratory diseases . . (J40-J47) | 75 | 2.5 | 0.4 |
| 8 | Influenza and pneumonia(J09-J18) | 51,537 | 1.9 | 15.9 | 8 | Cerebrovascular diseases(I60-I69) | 50 | 1.7 | 0.2 |
| 9 | Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27) | 50,046 | 1.8 | 15.5 | 9 | Influenza and pneumonia(J09-J18) | 39 | 1.3 | 0.2 |
| 10 | Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) | 44,965 | 1.6 | 13.9 | 10 | Septicemia(A40-A41) | 31 | 1.0 | 0.2 |
| ... | All other causes(residual) | 710,129 | 25.9 | 219.8 | ... | All other causes(residual) | 700 | 23.2 | 3.4 |
| All races and origins, both sexes, 1-4 years | | | | | All races and origins, both sexes, 15-19 years | | | | |
| ... | All causes | 4,045 | 100.0 | 25.3 | ... | All causes | 10,812 | 100.0 | 51.2 |
| 1 | Accidents (unintentional injuries)(V01-X59,Y85-Y86) | 1,261 | 31.2 | 7.9 | 1 | Accidents (unintentional injuries)(V01-X59,Y85-Y86) | 4,152 | 38.4 | 19.6 |
| 2 | Congenital malformations, deformations and chromosomal abnormalities(Q00-Q99) | 433 | 10.7 | 2.7 | 2 | Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) | 2,117 | 19.6 | 10.0 |
| 3 | Malignant neoplasms(C00-C97) | 377 | 9.3 | 2.4 | 3 | Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) | 1,816 | 16.8 | 8.6 |
| 4 | Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) | 339 | 8.4 | 2.1 | 4 | Malignant neoplasms(C00-C97) | 596 | 5.5 | 2.8 |
| 5 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 118 | 2.9 | 0.7 | 5 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 293 | 2.7 | 1.4 |
| 6 | Influenza and pneumonia(J09-J18) | 103 | 2.5 | 0.6 | 6 | Congenital malformations, deformations and chromosomal abnormalities(Q00-Q99) | 197 | 1.8 | 0.9 |
| 7 | Septicemia(A40-A41) | 70 | 1.7 | 0.4 | 7 | Chronic lower respiratory diseases . . (J40-J47) | 80 | 0.7 | 0.4 |
| 8 | Certain conditions originating in the perinatal period(P00-P96) | 60 | 1.5 | 0.4 | 8 | Cerebrovascular diseases(I60-I69) | 62 | 0.6 | 0.3 |
| 9 | Cerebrovascular diseases(I60-I69) | 55 | 1.4 | 0.3 | 9 | Diabetes mellitus(E10-E14) | 54 | 0.5 | 0.3 |
| 10 | Chronic lower respiratory diseases . . (J40-J47) | 51 | 1.3 | 0.3 | 9 | Influenza and pneumonia(J09-J18) | 54 | 0.5 | 0.3 |
| ... | All other causes(residual) | 1,178 | 29.1 | 7.4 | ... | All other causes(residual) | 1,391 | 12.9 | 6.6 |
| All races and origins, both sexes, 5-9 years | | | | | All races and origins, both sexes, 20-24 years | | | | |
| ... | All causes | 2,490 | 100.0 | 12.2 | ... | All causes | 21,763 | 100.0 | 97.2 |
| 1 | Accidents (unintentional injuries)(V01-X59,Y85-Y86) | 787 | 31.6 | 3.9 | 1 | Accidents (unintentional injuries)(V01-X59,Y85-Y86) | 9,743 | 44.8 | 43.5 |
| 2 | Malignant neoplasms(C00-C97) | 449 | 18.0 | 2.2 | 2 | Intentional self-harm (suicide) (*U03,X60-X84,Y87.0) | 3,606 | 16.6 | 16.1 |
| 3 | Congenital malformations, deformations and chromosomal abnormalities(Q00-Q99) | 203 | 8.2 | 1.0 | 3 | Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) | 3,356 | 15.4 | 15.0 |
| 4 | Assault (homicide) (*U01-*U02,X85-Y09,Y87.1) | 139 | 5.6 | 0.7 | 4 | Malignant neoplasms(C00-C97) | 835 | 3.8 | 3.7 |
| 5 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 77 | 3.1 | 0.4 | 5 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 656 | 3.0 | 2.9 |
| 6 | Chronic lower respiratory diseases . . (J40-J47) | 68 | 2.7 | 0.3 | 6 | Congenital malformations, deformations and chromosomal abnormalities(Q00-Q99) | 191 | 0.9 | 0.9 |
| 7 | Influenza and pneumonia(J09-J18) | 48 | 1.9 | 0.2 | 7 | Pregnancy, childbirth and the puerperium(O00-O99) | 160 | 0.7 | 0.7 |
| 8 | Septicemia(A40-A41) | 40 | 1.6 | 0.2 | 8 | Diabetes mellitus(E10-E14) | 157 | 0.7 | 0.7 |
| 9 | Cerebrovascular diseases(I60-I69) | 38 | 1.5 | 0.2 | 9 | Influenza and pneumonia(J09-J18) | 135 | 0.6 | 0.6 |
| 10 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior(D00-D48) | 31 | 1.2 | 0.2 | 10 | Chronic lower respiratory diseases . . (J40-J47) | 126 | 0.6 | 0.6 |
| ... | All other causes(residual) | 610 | 24.5 | 3.0 | ... | All other causes(residual) | 2,798 | 12.9 | 12.5 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|--|-----------------------|-------------------------------|------------------------------|---|--|-----------------------|-------------------------------|------------------------------|
| All races and origins, both sexes, 25–34 years | | | | | All races and origins, both sexes, 55–64 years | | | | |
| ... | All causes | 57,616 | 100.0 | 129.0 | ... | All causes | 366,445 | 100.0 | 883.8 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 23,984 | 41.6 | 53.7 | 1 | Malignant neoplasms (C00–C97) | 116,364 | 31.8 | 280.6 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 7,366 | 12.8 | 16.5 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 78,610 | 21.5 | 189.6 |
| 3 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 5,376 | 9.3 | 12.0 | 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 21,860 | 6.0 | 52.7 |
| 4 | Malignant neoplasms (C00–C97) | 3,791 | 6.6 | 8.5 | 4 | Chronic lower respiratory diseases .. (J40–J47) | 17,810 | 4.9 | 43.0 |
| 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 3,445 | 6.0 | 7.7 | 5 | Diabetes mellitus (E10–E14) | 14,251 | 3.9 | 34.4 |
| 6 | Chronic liver disease and cirrhosis (K70,K73–K74) | 925 | 1.6 | 2.1 | 6 | Chronic liver disease and cirrhosis (K70,K73–K74) | 13,448 | 3.7 | 32.4 |
| 7 | Diabetes mellitus (E10–E14) | 792 | 1.4 | 1.8 | 7 | Cerebrovascular diseases (I60–I69) | 12,310 | 3.4 | 29.7 |
| 8 | Cerebrovascular diseases (I60–I69) | 575 | 1.0 | 1.3 | 8 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 7,759 | 2.1 | 18.7 |
| 9 | Human immunodeficiency virus (HIV) disease (B20–B24) | 546 | 0.9 | 1.2 | 9 | Septicemia (A40–A41) | 5,941 | 1.6 | 14.3 |
| 10 | Pregnancy, childbirth and the puerperium (O00–O99) | 472 | 0.8 | 1.1 | 10 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 5,650 | 1.5 | 13.6 |
| ... | All other causes (residual) | 10,344 | 18.0 | 23.2 | ... | All other causes (residual) | 72,442 | 19.8 | 174.7 |
| All races and origins, both sexes, 35–44 years | | | | | All races and origins, both sexes, 65 years and over | | | | |
| ... | All causes | 77,792 | 100.0 | 192.2 | ... | All causes | 2,003,458 | 100.0 | 4,068.4 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 20,975 | 27.0 | 51.8 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 507,118 | 25.3 | 1,029.8 |
| 2 | Malignant neoplasms (C00–C97) | 10,903 | 14.0 | 26.9 | 2 | Malignant neoplasms (C00–C97) | 422,927 | 21.1 | 858.8 |
| 3 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 10,477 | 13.5 | 25.9 | 3 | Chronic lower respiratory diseases .. (J40–J47) | 131,002 | 6.5 | 266.0 |
| 4 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 7,030 | 9.0 | 17.4 | 4 | Cerebrovascular diseases (I60–I69) | 121,630 | 6.1 | 247.0 |
| 5 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 3,369 | 4.3 | 8.3 | 5 | Alzheimer's disease (G30) | 114,883 | 5.7 | 233.3 |
| 6 | Chronic liver disease and cirrhosis (K70,K73–K74) | 2,851 | 3.7 | 7.0 | 6 | Diabetes mellitus (E10–E14) | 56,452 | 2.8 | 114.6 |
| 7 | Diabetes mellitus (E10–E14) | 2,049 | 2.6 | 5.1 | 7 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 53,141 | 2.7 | 107.9 |
| 8 | Cerebrovascular diseases (I60–I69) | 1,851 | 2.4 | 4.6 | 8 | Influenza and pneumonia (J09–J18) | 42,479 | 2.1 | 86.3 |
| 9 | Human immunodeficiency virus (HIV) disease (B20–B24) | 971 | 1.2 | 2.4 | 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 41,095 | 2.1 | 83.5 |
| 10 | Septicemia (A40–A41) | 897 | 1.2 | 2.2 | 10 | Septicemia (A40–A41) | 30,405 | 1.5 | 61.7 |
| ... | All other causes (residual) | 16,419 | 21.1 | 40.6 | ... | All other causes (residual) | 482,326 | 24.1 | 979.5 |
| All races and origins, both sexes, 45–54 years | | | | | All races and origins, both sexes, 65–74 years | | | | |
| ... | All causes | 173,516 | 100.0 | 405.5 | ... | All causes | 512,080 | 100.0 | 1,788.6 |
| 1 | Malignant neoplasms (C00–C97) | 41,291 | 23.8 | 96.5 | 1 | Malignant neoplasms (C00–C97) | 165,583 | 32.3 | 578.3 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 34,027 | 19.6 | 79.5 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 112,361 | 21.9 | 392.5 |
| 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 23,377 | 13.5 | 54.6 | 3 | Chronic lower respiratory diseases .. (J40–J47) | 38,403 | 7.5 | 134.1 |
| 4 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 8,437 | 4.9 | 19.7 | 4 | Cerebrovascular diseases (I60–I69) | 21,768 | 4.3 | 76.0 |
| 5 | Chronic liver disease and cirrhosis (K70,K73–K74) | 8,364 | 4.8 | 19.5 | 5 | Diabetes mellitus (E10–E14) | 20,002 | 3.9 | 69.9 |
| 6 | Diabetes mellitus (E10–E14) | 6,267 | 3.6 | 14.6 | 6 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 14,050 | 2.7 | 49.1 |
| 7 | Cerebrovascular diseases (I60–I69) | 5,353 | 3.1 | 12.5 | 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 9,904 | 1.9 | 34.6 |
| 8 | Chronic lower respiratory diseases .. (J40–J47) | 4,307 | 2.5 | 10.1 | 8 | Chronic liver disease and cirrhosis (K70,K73–K74) | 8,797 | 1.7 | 30.7 |
| 9 | Septicemia (A40–A41) | 2,472 | 1.4 | 5.8 | 9 | Septicemia (A40–A41) | 8,767 | 1.7 | 30.6 |
| 10 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 2,152 | 1.2 | 5.0 | 10 | Influenza and pneumonia (J09–J18) | 8,169 | 1.6 | 28.5 |
| ... | All other causes (residual) | 37,469 | 21.6 | 87.6 | ... | All other causes (residual) | 104,276 | 20.4 | 364.2 |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|--|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| All races and origins, both sexes, 75–84 years | | | | | All races and origins, male, 1–4 years | | | | |
| ... | All causes | 636,916 | 100.0 | 4,474.8 | ... | All causes | 2,256 | 100.0 | 27.7 |
| 1 | Malignant neoplasms | 153,961 | 24.2 | 1,081.7 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 776 | 34.4 | 9.5 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 147,619 | 23.2 | 1,037.1 | 2 | Malignant neoplasms | 206 | 9.1 | 2.5 |
| 3 | Chronic lower respiratory diseases .. (J40–J47) | 49,413 | 7.8 | 347.2 | 2 | Congenital malformations, deformations and chromosomal abnormalities | 206 | 9.1 | 2.5 |
| 4 | Cerebrovascular diseases | 37,789 | 5.9 | 265.5 | 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 176 | 7.8 | 2.2 |
| 5 | Alzheimer's disease | 30,479 | 4.8 | 214.1 | 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 62 | 2.7 | 0.8 |
| 6 | Diabetes mellitus | 19,633 | 3.1 | 137.9 | 6 | Influenza and pneumonia | 53 | 2.3 | 0.6 |
| 7 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 15,759 | 2.5 | 110.7 | 7 | Septicemia | 37 | 1.6 | 0.5 |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 13,959 | 2.2 | 98.1 | 8 | Certain conditions originating in the perinatal period | 35 | 1.6 | 0.4 |
| 9 | Influenza and pneumonia | 12,596 | 2.0 | 88.5 | 9 | Chronic lower respiratory diseases .. (J40–J47) | 34 | 1.5 | 0.4 |
| 10 | Parkinson's disease | 12,165 | 1.9 | 85.5 | 10 | Cerebrovascular diseases | 28 | 1.2 | 0.3 |
| ... | All other causes | 143,543 | 22.5 | 1,008.5 | ... | All other causes | 643 | 28.5 | 7.9 |
| All races and origins, both sexes, 85 years and over | | | | | All races and origins, male, 5–9 years | | | | |
| ... | All causes | 854,462 | 100.0 | 13,392.1 | ... | All causes | 1,377 | 100.0 | 13.2 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 247,138 | 28.9 | 3,873.4 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 469 | 34.1 | 4.5 |
| 2 | Malignant neoplasms | 103,383 | 12.1 | 1,620.3 | 2 | Malignant neoplasms | 253 | 18.4 | 2.4 |
| 3 | Alzheimer's disease | 77,643 | 9.1 | 1,216.9 | 3 | Congenital malformations, deformations and chromosomal abnormalities | 99 | 7.2 | 0.9 |
| 4 | Cerebrovascular diseases | 62,073 | 7.3 | 972.9 | 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 77 | 5.6 | 0.7 |
| 5 | Chronic lower respiratory diseases .. (J40–J47) | 43,186 | 5.1 | 676.9 | 5 | Chronic lower respiratory diseases .. (J40–J47) | 39 | 2.8 | 0.4 |
| 6 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 23,332 | 2.7 | 365.7 | 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 37 | 2.7 | 0.4 |
| 7 | Influenza and pneumonia | 21,714 | 2.5 | 340.3 | 7 | Influenza and pneumonia | 27 | 2.0 | 0.3 |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 17,232 | 2.0 | 270.1 | 8 | Cerebrovascular diseases | 24 | 1.7 | 0.2 |
| 9 | Diabetes mellitus | 16,817 | 2.0 | 263.6 | 9 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior | 21 | 1.5 | 0.2 |
| 10 | Essential hypertension and hypertensive renal disease | 14,185 | 1.7 | 222.3 | 10 | Septicemia | 20 | 1.5 | 0.2 |
| ... | All other causes | 227,759 | 26.7 | 3,569.7 | ... | All other causes | 311 | 22.6 | 3.0 |
| All races and origins, male, all ages ⁴ | | | | | All races and origins, male, 10–14 years | | | | |
| ... | All causes | 1,400,232 | 100.0 | 880.2 | ... | All causes | 1,764 | 100.0 | 16.8 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 339,265 | 24.2 | 213.3 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 521 | 29.5 | 5.0 |
| 2 | Malignant neoplasms | 314,571 | 22.5 | 197.7 | 2 | Intentional self-harm (suicide) | 265 | 15.0 | 2.5 |
| 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 103,864 | 7.4 | 65.3 | 3 | Malignant neoplasms | 237 | 13.4 | 2.3 |
| 4 | Chronic lower respiratory diseases .. (J40–J47) | 73,045 | 5.2 | 45.9 | 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 90 | 5.1 | 0.9 |
| 5 | Cerebrovascular diseases | 59,355 | 4.2 | 37.3 | 5 | Congenital malformations, deformations and chromosomal abnormalities | 88 | 5.0 | 0.8 |
| 6 | Diabetes mellitus | 43,763 | 3.1 | 27.5 | 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 62 | 3.5 | 0.6 |
| 7 | Alzheimer's disease | 35,372 | 2.5 | 22.2 | 7 | Chronic lower respiratory diseases .. (J40–J47) | 47 | 2.7 | 0.4 |
| 8 | Intentional self-harm (suicide) | 34,727 | 2.5 | 21.8 | 8 | Cerebrovascular diseases | 31 | 1.8 | 0.3 |
| 9 | Chronic liver disease and cirrhosis | 25,818 | 1.8 | 16.2 | 9 | Influenza and pneumonia | 22 | 1.2 | 0.2 |
| 10 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 25,399 | 1.8 | 16.0 | 10 | Septicemia | 17 | 1.0 | * |
| ... | All other causes | 345,053 | 24.6 | 216.9 | ... | All other causes | 384 | 21.8 | 3.7 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|---|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| All races and origins, male, 15–19 years | | | | | All races and origins, male, 35–44 years | | | | |
| ... | All causes | 7,713 | 100.0 | 71.4 | ... | All causes | 49,215 | 100.0 | 244.2 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 2,908 | 37.7 | 26.9 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 14,981 | 30.4 | 74.3 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 1,601 | 20.8 | 14.8 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 7,147 | 14.5 | 35.5 |
| 3 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 1,543 | 20.0 | 14.3 | 3 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 5,294 | 10.8 | 26.3 |
| 4 | Malignant neoplasms(C00–C97) | 368 | 4.8 | 3.4 | 4 | Malignant neoplasms(C00–C97) | 4,625 | 9.4 | 22.9 |
| 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 180 | 2.3 | 1.7 | 5 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 2,708 | 5.5 | 13.4 |
| 6 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 126 | 1.6 | 1.2 | 6 | Chronic liver disease and cirrhosis(K70,K73–K74) | 1,761 | 3.6 | 8.7 |
| 7 | Chronic lower respiratory diseases .. (J40–J47) | 49 | 0.6 | 0.5 | 7 | Diabetes mellitus(E10–E14) | 1,238 | 2.5 | 6.1 |
| 8 | Cerebrovascular diseases (I60–I69) | 37 | 0.5 | 0.3 | 8 | Cerebrovascular diseases (I60–I69) | 1,060 | 2.2 | 5.3 |
| 9 | Diabetes mellitus(E10–E14) | 32 | 0.4 | 0.3 | 9 | Human immunodeficiency virus (HIV) disease(B20–B24) | 644 | 1.3 | 3.2 |
| 10 | Influenza and pneumonia (J09–J18) | 31 | 0.4 | 0.3 | 10 | Influenza and pneumonia (J09–J18) | 492 | 1.0 | 2.4 |
| ... | All other causes (residual) | 838 | 10.9 | 7.8 | ... | All other causes (residual) | 9,265 | 18.8 | 46.0 |
| All races and origins, male, 20–24 years | | | | | All races and origins, male, 45–54 years | | | | |
| ... | All causes | 16,300 | 100.0 | 141.8 | ... | All causes | 105,086 | 100.0 | 497.9 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 7,333 | 45.0 | 63.8 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 23,754 | 22.6 | 112.5 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 2,974 | 18.2 | 25.9 | 2 | Malignant neoplasms(C00–C97) | 19,933 | 19.0 | 94.4 |
| 3 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 2,936 | 18.0 | 25.6 | 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 15,936 | 15.2 | 75.5 |
| 4 | Malignant neoplasms(C00–C97) | 534 | 3.3 | 4.6 | 4 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 6,198 | 5.9 | 29.4 |
| 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 449 | 2.8 | 3.9 | 5 | Chronic liver disease and cirrhosis(K70,K73–K74) | 5,424 | 5.2 | 25.7 |
| 6 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 105 | 0.6 | 0.9 | 6 | Diabetes mellitus(E10–E14) | 3,984 | 3.8 | 18.9 |
| 7 | Diabetes mellitus(E10–E14) | 89 | 0.5 | 0.8 | 7 | Cerebrovascular diseases (I60–I69) | 2,978 | 2.8 | 14.1 |
| 8 | Chronic lower respiratory diseases .. (J40–J47) | 78 | 0.5 | 0.7 | 8 | Chronic lower respiratory diseases .. (J40–J47) | 1,931 | 1.8 | 9.1 |
| 9 | Influenza and pneumonia (J09–J18) | 74 | 0.5 | 0.6 | 9 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 1,628 | 1.5 | 7.7 |
| 10 | Septicemia(A40–A41) | 56 | 0.3 | 0.5 | 10 | Human immunodeficiency virus (HIV) disease(B20–B24) | 1,344 | 1.3 | 6.4 |
| ... | All other causes (residual) | 1,672 | 10.3 | 14.6 | ... | All other causes (residual) | 21,976 | 20.9 | 104.1 |
| All races and origins, male, 25–34 years | | | | | All races and origins, male, 55–64 years | | | | |
| ... | All causes | 40,257 | 100.0 | 178.1 | ... | All causes | 222,384 | 100.0 | 1,112.0 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 17,737 | 44.1 | 78.5 | 1 | Malignant neoplasms(C00–C97) | 63,763 | 28.7 | 318.8 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 5,887 | 14.6 | 26.0 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 54,258 | 24.4 | 271.3 |
| 3 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 4,540 | 11.3 | 20.1 | 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 15,174 | 6.8 | 75.9 |
| 4 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 2,304 | 5.7 | 10.2 | 4 | Chronic liver disease and cirrhosis(K70,K73–K74) | 9,175 | 4.1 | 45.9 |
| 5 | Malignant neoplasms(C00–C97) | 1,825 | 4.5 | 8.1 | 5 | Chronic lower respiratory diseases .. (J40–J47) | 9,064 | 4.1 | 45.3 |
| 6 | Chronic liver disease and cirrhosis(K70,K73–K74) | 565 | 1.4 | 2.5 | 6 | Diabetes mellitus(E10–E14) | 8,776 | 3.9 | 43.9 |
| 7 | Diabetes mellitus(E10–E14) | 456 | 1.1 | 2.0 | 7 | Cerebrovascular diseases (I60–I69) | 7,160 | 3.2 | 35.8 |
| 8 | Human immunodeficiency virus (HIV) disease(B20–B24) | 403 | 1.0 | 1.8 | 8 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 5,745 | 2.6 | 28.7 |
| 9 | Cerebrovascular diseases (I60–I69) | 331 | 0.8 | 1.5 | 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 3,238 | 1.5 | 16.2 |
| 10 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 245 | 0.6 | 1.1 | 10 | Septicemia(A40–A41) | 3,222 | 1.4 | 16.1 |
| ... | All other causes (residual) | 5,964 | 14.8 | 26.4 | ... | All other causes (residual) | 42,809 | 19.3 | 214.1 |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|--|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| All races and origins, male, 65 years and over | | | | | All races and origins, male, 85 years and over | | | | |
| ... | All causes | 940,916 | 100.0 | 4,317.5 | ... | All causes | 323,355 | 100.0 | 14,533.8 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 250,840 | 26.7 | 1,151.0 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 97,970 | 30.3 | 4,403.5 |
| 2 | Malignant neoplasms (C00–C97) | 222,788 | 23.7 | 1,022.3 | 2 | Malignant neoplasms (C00–C97) | 49,356 | 15.3 | 2,218.4 |
| 3 | Chronic lower respiratory diseases . . (J40–J47) | 61,221 | 6.5 | 280.9 | 3 | Alzheimer's disease (G30) | 20,477 | 6.3 | 920.4 |
| 4 | Cerebrovascular diseases (I60–I69) | 47,569 | 5.1 | 218.3 | 4 | Cerebrovascular diseases (I60–I69) | 18,876 | 5.8 | 848.4 |
| 5 | Alzheimer's disease (G30) | 34,855 | 3.7 | 159.9 | 5 | Chronic lower respiratory diseases . . (J40–J47) | 17,863 | 5.5 | 802.9 |
| 6 | Diabetes mellitus (E10–E14) | 29,171 | 3.1 | 133.9 | 6 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 9,506 | 2.9 | 427.3 |
| 7 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 27,301 | 2.9 | 125.3 | 7 | Influenza and pneumonia (J09–J18) | 8,911 | 2.8 | 400.5 |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 20,266 | 2.2 | 93.0 | 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 7,687 | 2.4 | 345.5 |
| 9 | Influenza and pneumonia (J09–J18) | 19,966 | 2.1 | 91.6 | 9 | Diabetes mellitus (E10–E14) | 7,104 | 2.2 | 319.3 |
| 10 | Parkinson's disease (G20–G21) | 17,373 | 1.8 | 79.7 | 10 | Parkinson's disease (G20–G21) | 6,861 | 2.1 | 308.4 |
| ... | All other causes (residual) | 209,566 | 22.3 | 961.6 | ... | All other causes (residual) | 78,744 | 24.4 | 3,539.3 |
| All races and origins, male, 65–74 years | | | | | All races and origins, female, all ages ⁴ | | | | |
| ... | All causes | 292,742 | 100.0 | 2,186.1 | ... | All causes | 1,344,016 | 100.0 | 819.3 |
| 1 | Malignant neoplasms (C00–C97) | 91,612 | 31.3 | 684.1 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 295,995 | 22.0 | 180.4 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 71,829 | 24.5 | 536.4 | 2 | Malignant neoplasms (C00–C97) | 283,467 | 21.1 | 172.8 |
| 3 | Chronic lower respiratory diseases . . (J40–J47) | 19,699 | 6.7 | 147.1 | 3 | Cerebrovascular diseases (I60–I69) | 82,787 | 6.2 | 50.5 |
| 4 | Diabetes mellitus (E10–E14) | 11,676 | 4.0 | 87.2 | 4 | Chronic lower respiratory diseases . . (J40–J47) | 81,551 | 6.1 | 49.7 |
| 5 | Cerebrovascular diseases (I60–I69) | 11,585 | 4.0 | 86.5 | 5 | Alzheimer's disease (G30) | 80,731 | 6.0 | 49.2 |
| 6 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 9,133 | 3.1 | 68.2 | 6 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 57,510 | 4.3 | 35.1 |
| 7 | Chronic liver disease and cirrhosis (K70,K73–K74) | 5,658 | 1.9 | 42.3 | 7 | Diabetes mellitus (E10–E14) | 36,295 | 2.7 | 22.1 |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 5,307 | 1.8 | 39.6 | 8 | Influenza and pneumonia (J09–J18) | 26,526 | 2.0 | 16.2 |
| 9 | Influenza and pneumonia (J09–J18) | 4,557 | 1.6 | 34.0 | 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 24,647 | 1.8 | 15.0 |
| 10 | Septicemia (A40–A41) | 4,556 | 1.6 | 34.0 | 10 | Septicemia (A40–A41) | 20,935 | 1.6 | 12.8 |
| ... | All other causes (residual) | 57,130 | 19.5 | 426.6 | ... | All other causes (residual) | 353,572 | 26.3 | 215.5 |
| All races and origins, male, 75–84 years | | | | | All races and origins, female, 1–4 years | | | | |
| ... | All causes | 324,819 | 100.0 | 5,258.6 | ... | All causes | 1,789 | 100.0 | 22.9 |
| 1 | Malignant neoplasms (C00–C97) | 81,820 | 25.2 | 1,324.6 | 1 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 485 | 27.1 | 6.2 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 81,041 | 24.9 | 1,312.0 | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 227 | 12.7 | 2.9 |
| 3 | Chronic lower respiratory diseases . . (J40–J47) | 23,659 | 7.3 | 383.0 | 3 | Malignant neoplasms (C00–C97) | 171 | 9.6 | 2.2 |
| 4 | Cerebrovascular diseases (I60–I69) | 17,108 | 5.3 | 277.0 | 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 163 | 9.1 | 2.1 |
| 5 | Alzheimer's disease (G30) | 11,545 | 3.6 | 186.9 | 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 56 | 3.1 | 0.7 |
| 6 | Diabetes mellitus (E10–E14) | 10,391 | 3.2 | 168.2 | 6 | Influenza and pneumonia (J09–J18) | 50 | 2.8 | 0.6 |
| 7 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 8,662 | 2.7 | 140.2 | 7 | Septicemia (A40–A41) | 33 | 1.8 | 0.4 |
| 8 | Parkinson's disease (G20–G21) | 7,795 | 2.4 | 126.2 | 8 | Cerebrovascular diseases (I60–I69) | 27 | 1.5 | 0.3 |
| 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 7,272 | 2.2 | 117.7 | 9 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48) | 26 | 1.5 | 0.3 |
| 10 | Influenza and pneumonia (J09–J18) | 6,498 | 2.0 | 105.2 | 10 | Certain conditions originating in the perinatal period (P00–P96) | 25 | 1.4 | 0.3 |
| ... | All other causes (residual) | 69,028 | 21.3 | 1,117.5 | ... | All other causes (residual) | 526 | 29.4 | 6.7 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|--|-----------------------|-------------------------------|------------------------------|--|---|-----------------------|-------------------------------|------------------------------|
| All races and origins, female, 5–9 years | | | | | All races and origins, female, 20–24 years | | | | |
| ... | All causes | 1,113 | 100.0 | 11.1 | ... | All causes | 5,463 | 100.0 | 50.2 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 318 | 28.6 | 3.2 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 2,410 | 44.1 | 22.1 |
| 2 | Malignant neoplasms(C00–C97) | 196 | 17.6 | 2.0 | 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 632 | 11.6 | 5.8 |
| 3 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 104 | 9.3 | 1.0 | 3 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 420 | 7.7 | 3.9 |
| 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 62 | 5.6 | 0.6 | 4 | Malignant neoplasms(C00–C97) | 301 | 5.5 | 2.8 |
| 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 40 | 3.6 | 0.4 | 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 207 | 3.8 | 1.9 |
| 6 | Chronic lower respiratory diseases . . (J40–J47) | 29 | 2.6 | 0.3 | 6 | Pregnancy, childbirth and the puerperium (O00–O99) | 160 | 2.9 | 1.5 |
| 7 | Influenza and pneumonia (J09–J18) | 21 | 1.9 | 0.2 | 7 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 86 | 1.6 | 0.8 |
| 8 | Septicemia (A40–A41) | 20 | 1.8 | 0.2 | 8 | Diabetes mellitus (E10–E14) | 68 | 1.2 | 0.6 |
| 9 | Cerebrovascular diseases (I60–I69) | 14 | 1.3 | * | 9 | Influenza and pneumonia (J09–J18) | 61 | 1.1 | 0.6 |
| 10 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48) | 10 | 0.9 | * | 10 | Chronic lower respiratory diseases . . (J40–J47) | 48 | 0.9 | 0.4 |
| ... | All other causes (residual) | 299 | 26.9 | 3.0 | ... | All other causes (residual) | 1,070 | 19.6 | 9.8 |
| All races and origins, female, 10–14 years | | | | | All races and origins, female, 25–34 years | | | | |
| ... | All causes | 1,249 | 100.0 | 12.4 | ... | All causes | 17,359 | 100.0 | 78.6 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 326 | 26.1 | 3.2 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 6,247 | 36.0 | 28.3 |
| 2 | Malignant neoplasms(C00–C97) | 194 | 15.5 | 1.9 | 2 | Malignant neoplasms(C00–C97) | 1,966 | 11.3 | 8.9 |
| 3 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 171 | 13.7 | 1.7 | 3 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 1,479 | 8.5 | 6.7 |
| 4 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 58 | 4.6 | 0.6 | 4 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1,141 | 6.6 | 5.2 |
| 5 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 57 | 4.6 | 0.6 | 5 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 836 | 4.8 | 3.8 |
| 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 49 | 3.9 | 0.5 | 6 | Pregnancy, childbirth and the puerperium (O00–O99) | 472 | 2.7 | 2.1 |
| 7 | Chronic lower respiratory diseases . . (J40–J47) | 28 | 2.2 | 0.3 | 7 | Chronic liver disease and cirrhosis (K70,K73–K74) | 360 | 2.1 | 1.6 |
| 8 | Cerebrovascular diseases (I60–I69) | 19 | 1.5 | * | 8 | Diabetes mellitus (E10–E14) | 336 | 1.9 | 1.5 |
| 9 | Influenza and pneumonia (J09–J18) | 17 | 1.4 | * | 9 | Cerebrovascular diseases (I60–I69) | 244 | 1.4 | 1.1 |
| 10 | Septicemia (A40–A41) | 14 | 1.1 | * | 10 | Septicemia (A40–A41) | 210 | 1.2 | 1.0 |
| ... | All other causes (residual) | 316 | 25.3 | 3.1 | ... | All other causes (residual) | 4,068 | 23.4 | 18.4 |
| All races and origins, female, 15–19 years | | | | | All races and origins, female, 35–44 years | | | | |
| ... | All causes | 3,099 | 100.0 | 30.0 | ... | All causes | 28,577 | 100.0 | 140.7 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 1,244 | 40.1 | 12.0 | 1 | Malignant neoplasms(C00–C97) | 6,278 | 22.0 | 30.9 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 516 | 16.7 | 5.0 | 2 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 5,994 | 21.0 | 29.5 |
| 3 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 273 | 8.8 | 2.6 | 3 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 3,330 | 11.7 | 16.4 |
| 4 | Malignant neoplasms(C00–C97) | 228 | 7.4 | 2.2 | 4 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 1,736 | 6.1 | 8.5 |
| 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 113 | 3.6 | 1.1 | 5 | Chronic liver disease and cirrhosis (K70,K73–K74) | 1,090 | 3.8 | 5.4 |
| 6 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 71 | 2.3 | 0.7 | 6 | Diabetes mellitus (E10–E14) | 811 | 2.8 | 4.0 |
| 7 | Chronic lower respiratory diseases . . (J40–J47) | 31 | 1.0 | 0.3 | 7 | Cerebrovascular diseases (I60–I69) | 791 | 2.8 | 3.9 |
| 8 | Cerebrovascular diseases (I60–I69) | 25 | 0.8 | 0.2 | 8 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 661 | 2.3 | 3.3 |
| 9 | Pregnancy, childbirth and the puerperium (O00–O99) | 24 | 0.8 | 0.2 | 9 | Septicemia (A40–A41) | 436 | 1.5 | 2.1 |
| 10 | Influenza and pneumonia (J09–J18) | 23 | 0.7 | 0.2 | 10 | Influenza and pneumonia (J09–J18) | 402 | 1.4 | 2.0 |
| ... | All other causes (residual) | 551 | 17.8 | 5.3 | ... | All other causes (residual) | 7,048 | 24.7 | 34.7 |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|--|-----------------------|-------------------------------|------------------------------|---|--|-----------------------|-------------------------------|------------------------------|
| All races and origins, female, 45–54 years | | | | | All races and origins, female, 65–74 years | | | | |
| ... | All causes | 68,430 | 100.0 | 315.6 | ... | All causes | 219,338 | 100.0 | 1,439.3 |
| 1 | Malignant neoplasms (C00–C97) | 21,358 | 31.2 | 98.5 | 1 | Malignant neoplasms (C00–C97) | 73,971 | 33.7 | 485.4 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 10,273 | 15.0 | 47.4 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 40,532 | 18.5 | 266.0 |
| 3 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 7,441 | 10.9 | 34.3 | 3 | Chronic lower respiratory diseases . . (J40–J47) | 18,704 | 8.5 | 122.7 |
| 4 | Chronic liver disease and cirrhosis (K70,K73–K74) | 2,940 | 4.3 | 13.6 | 4 | Cerebrovascular diseases (I60–I69) | 10,183 | 4.6 | 66.8 |
| 5 | Chronic lower respiratory diseases . . (J40–J47) | 2,376 | 3.5 | 11.0 | 5 | Diabetes mellitus (E10–E14) | 8,326 | 3.8 | 54.6 |
| 6 | Cerebrovascular diseases (I60–I69) | 2,375 | 3.5 | 11.0 | 6 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 4,917 | 2.2 | 32.3 |
| 7 | Diabetes mellitus (E10–E14) | 2,283 | 3.3 | 10.5 | 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 4,597 | 2.1 | 30.2 |
| 8 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 2,239 | 3.3 | 10.3 | 8 | Septicemia (A40–A41) | 4,211 | 1.9 | 27.6 |
| 9 | Septicemia (A40–A41) | 1,145 | 1.7 | 5.3 | 9 | Alzheimer's disease (G30) | 3,928 | 1.8 | 25.8 |
| 10 | Influenza and pneumonia (J09–J18) | 976 | 1.4 | 4.5 | 10 | Influenza and pneumonia (J09–J18) | 3,612 | 1.6 | 23.7 |
| ... | All other causes (residual) | 15,024 | 22.0 | 69.3 | ... | All other causes (residual) | 46,357 | 21.1 | 304.2 |
| All races and origins, female, 55–64 years | | | | | All races and origins, female, 75–84 years | | | | |
| ... | All causes | 144,061 | 100.0 | 671.2 | ... | All causes | 312,097 | 100.0 | 3,873.8 |
| 1 | Malignant neoplasms (C00–C97) | 52,601 | 36.5 | 245.1 | 1 | Malignant neoplasms (C00–C97) | 72,141 | 23.1 | 895.4 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 24,352 | 16.9 | 113.5 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 66,578 | 21.3 | 826.4 |
| 3 | Chronic lower respiratory diseases . . (J40–J47) | 8,746 | 6.1 | 40.7 | 3 | Chronic lower respiratory diseases . . (J40–J47) | 25,754 | 8.3 | 319.7 |
| 4 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 6,686 | 4.6 | 31.1 | 4 | Cerebrovascular diseases (I60–I69) | 20,681 | 6.6 | 256.7 |
| 5 | Diabetes mellitus (E10–E14) | 5,475 | 3.8 | 25.5 | 5 | Alzheimer's disease (G30) | 18,934 | 6.1 | 235.0 |
| 6 | Cerebrovascular diseases (I60–I69) | 5,150 | 3.6 | 24.0 | 6 | Diabetes mellitus (E10–E14) | 9,242 | 3.0 | 114.7 |
| 7 | Chronic liver disease and cirrhosis (K70,K73–K74) | 4,273 | 3.0 | 19.9 | 7 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 7,097 | 2.3 | 88.1 |
| 8 | Septicemia (A40–A41) | 2,719 | 1.9 | 12.7 | 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 6,687 | 2.1 | 83.0 |
| 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 2,412 | 1.7 | 11.2 | 9 | Influenza and pneumonia (J09–J18) | 6,098 | 2.0 | 75.7 |
| 10 | Influenza and pneumonia (J09–J18) | 2,194 | 1.5 | 10.2 | 10 | Septicemia (A40–A41) | 5,438 | 1.7 | 67.5 |
| ... | All other causes (residual) | 29,453 | 20.4 | 137.2 | ... | All other causes (residual) | 73,447 | 23.5 | 911.6 |
| All races and origins, female, 65 years and over | | | | | All races and origins, female, 85 years and over | | | | |
| ... | All causes | 1,062,542 | 100.0 | 3,870.6 | ... | All causes | 531,107 | 100.0 | 12,780.9 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 256,278 | 24.1 | 933.6 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 149,168 | 28.1 | 3,589.7 |
| 2 | Malignant neoplasms (C00–C97) | 200,139 | 18.8 | 729.1 | 2 | Alzheimer's disease (G30) | 57,166 | 10.8 | 1,375.7 |
| 3 | Alzheimer's disease (G30) | 80,028 | 7.5 | 291.5 | 3 | Malignant neoplasms (C00–C97) | 54,027 | 10.2 | 1,300.1 |
| 4 | Cerebrovascular diseases (I60–I69) | 74,061 | 7.0 | 269.8 | 4 | Cerebrovascular diseases (I60–I69) | 43,197 | 8.1 | 1,039.5 |
| 5 | Chronic lower respiratory diseases . . (J40–J47) | 69,781 | 6.6 | 254.2 | 5 | Chronic lower respiratory diseases . . (J40–J47) | 25,323 | 4.8 | 609.4 |
| 6 | Diabetes mellitus (E10–E14) | 27,281 | 2.6 | 99.4 | 6 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 13,826 | 2.6 | 332.7 |
| 7 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 25,840 | 2.4 | 94.1 | 7 | Influenza and pneumonia (J09–J18) | 12,803 | 2.4 | 308.1 |
| 8 | Influenza and pneumonia (J09–J18) | 22,513 | 2.1 | 82.0 | 8 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 9,780 | 1.8 | 235.4 |
| 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 20,829 | 2.0 | 75.9 | 9 | Diabetes mellitus (E10–E14) | 9,713 | 1.8 | 233.7 |
| 10 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 16,463 | 1.5 | 60.0 | 10 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 9,545 | 1.8 | 229.7 |
| ... | All other causes (residual) | 269,329 | 25.3 | 981.1 | ... | All other causes (residual) | 146,559 | 27.6 | 3,526.9 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|--|-----------------------|-------------------------------|------------------------------|---|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic white, both sexes, all ages ⁴ | | | | | Non-Hispanic white, both sexes, 10–14 years | | | | |
| ... | All causes | 2,133,463 | 100.0 | 1,059.7 | ... | All causes | 1,623 | 100.0 | 14.6 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 500,631 | 23.5 | 248.7 | 1 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 484 | 29.8 | 4.3 |
| 2 | Malignant neoplasms (C00–C97) | 466,467 | 21.9 | 231.7 | 2 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 309 | 19.0 | 2.8 |
| 3 | Chronic lower respiratory diseases . . (J40–J47) | 135,268 | 6.3 | 67.2 | 3 | Malignant neoplasms (C00–C97) | 219 | 13.5 | 2.0 |
| 4 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 121,641 | 5.7 | 60.4 | 4 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 80 | 4.9 | 0.7 |
| 5 | Cerebrovascular diseases (I60–I69) | 107,491 | 5.0 | 53.4 | 5 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 44 | 2.7 | 0.4 |
| 6 | Alzheimer's disease (G30) | 97,779 | 4.6 | 48.6 | 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 43 | 2.6 | 0.4 |
| 7 | Diabetes mellitus (E10–E14) | 53,399 | 2.5 | 26.5 | 7 | Cerebrovascular diseases (I60–I69) | 20 | 1.2 | 0.2 |
| 8 | Influenza and pneumonia (J09–J18) | 39,748 | 1.9 | 19.7 | 7 | Chronic lower respiratory diseases . . (J40–J47) | 20 | 1.2 | 0.2 |
| 9 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 36,531 | 1.7 | 18.1 | 9 | Influenza and pneumonia (J09–J18) | 18 | 1.1 | * |
| 10 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 35,248 | 1.7 | 17.5 | 10 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48) | 17 | 1.0 | * |
| ... | All other causes (residual) | 539,260 | 25.3 | 267.9 | ... | All other causes (residual) | 369 | 22.7 | 3.3 |
| Non-Hispanic white, both sexes, 1–4 years | | | | | Non-Hispanic white, both sexes, 15–19 years | | | | |
| ... | All causes | 1,978 | 100.0 | 23.9 | ... | All causes | 5,668 | 100.0 | 48.4 |
| 1 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 680 | 34.4 | 8.2 | 1 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 2,545 | 44.9 | 21.7 |
| 2 | Malignant neoplasms (C00–C97) | 206 | 10.4 | 2.5 | 2 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 1,422 | 25.1 | 12.1 |
| 3 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 191 | 9.7 | 2.3 | 3 | Malignant neoplasms (C00–C97) | 318 | 5.6 | 2.7 |
| 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 121 | 6.1 | 1.5 | 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 284 | 5.0 | 2.4 |
| 5 | Influenza and pneumonia (J09–J18) | 47 | 2.4 | 0.6 | 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 149 | 2.6 | 1.3 |
| 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 45 | 2.3 | 0.5 | 6 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 104 | 1.8 | 0.9 |
| 7 | Septicemia (A40–A41) | 34 | 1.7 | 0.4 | 7 | Diabetes mellitus (E10–E14) | 33 | 0.6 | 0.3 |
| 8 | Cerebrovascular diseases (I60–I69) | 27 | 1.4 | 0.3 | 7 | Influenza and pneumonia (J09–J18) | 33 | 0.6 | 0.3 |
| 9 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48) | 23 | 1.2 | 0.3 | 9 | Cerebrovascular diseases (I60–I69) | 26 | 0.5 | 0.2 |
| 10 | Chronic lower respiratory diseases . . (J40–J47) | 22 | 1.1 | 0.3 | 10 | Chronic lower respiratory diseases . . (J40–J47) | 23 | 0.4 | 0.2 |
| ... | All other causes (residual) | 582 | 29.4 | 7.0 | ... | All other causes (residual) | 731 | 12.9 | 6.2 |
| Non-Hispanic white, both sexes, 5–9 years | | | | | Non-Hispanic white, both sexes, 20–24 years | | | | |
| ... | All causes | 1,158 | 100.0 | 10.9 | ... | All causes | 11,847 | 100.0 | 95.1 |
| 1 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 360 | 31.1 | 3.4 | 1 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 6,350 | 53.6 | 51.0 |
| 2 | Malignant neoplasms (C00–C97) | 221 | 19.1 | 2.1 | 2 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 2,334 | 19.7 | 18.7 |
| 3 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 108 | 9.3 | 1.0 | 3 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 482 | 4.1 | 3.9 |
| 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 53 | 4.6 | 0.5 | 4 | Malignant neoplasms (C00–C97) | 426 | 3.6 | 3.4 |
| 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 39 | 3.4 | 0.4 | 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 332 | 2.8 | 2.7 |
| 6 | Influenza and pneumonia (J09–J18) | 26 | 2.2 | 0.2 | 6 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 106 | 0.9 | 0.9 |
| 7 | Septicemia (A40–A41) | 20 | 1.7 | 0.2 | 7 | Diabetes mellitus (E10–E14) | 80 | 0.7 | 0.6 |
| 8 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48) | 17 | 1.5 | * | 8 | Pregnancy, childbirth and the puerperium (O00–O99) | 71 | 0.6 | 0.6 |
| 9 | Chronic lower respiratory diseases . . (J40–J47) | 12 | 1.0 | * | 9 | Influenza and pneumonia (J09–J18) | 67 | 0.6 | 0.5 |
| 10 | Cerebrovascular diseases (I60–I69) | 11 | 0.9 | * | 10 | Chronic lower respiratory diseases . . (J40–J47) | 64 | 0.5 | 0.5 |
| ... | All other causes (residual) | 291 | 25.1 | 2.7 | ... | All other causes (residual) | 1,535 | 13.0 | 12.3 |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|---|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic white, both sexes, 25–34 years | | | | | Non-Hispanic white, both sexes, 55–64 years | | | | |
| ... | All causes | 35,222 | 100.0 | 137.6 | ... | All causes | 262,230 | 100.0 | 880.4 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 17,170 | 48.7 | 67.1 | 1 | Malignant neoplasms (C00–C97) | 85,111 | 32.5 | 285.7 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 5,280 | 15.0 | 20.6 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 55,029 | 21.0 | 184.7 |
| 3 | Malignant neoplasms (C00–C97) | 2,207 | 6.3 | 8.6 | 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 16,085 | 6.1 | 54.0 |
| 4 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1,811 | 5.1 | 7.1 | 4 | Chronic lower respiratory diseases .. (J40–J47) | 14,831 | 5.7 | 49.8 |
| 5 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 1,140 | 3.2 | 4.5 | 5 | Chronic liver disease and cirrhosis (K70,K73–K74) | 9,800 | 3.7 | 32.9 |
| 6 | Chronic liver disease and cirrhosis (K70,K73–K74) | 551 | 1.6 | 2.2 | 6 | Diabetes mellitus (E10–E14) | 8,699 | 3.3 | 29.2 |
| 7 | Diabetes mellitus (E10–E14) | 404 | 1.1 | 1.6 | 7 | Cerebrovascular diseases (I60–I69) | 7,501 | 2.9 | 25.2 |
| 8 | Cerebrovascular diseases (I60–I69) | 283 | 0.8 | 1.1 | 8 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 6,901 | 2.6 | 23.2 |
| 9 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 259 | 0.7 | 1.0 | 9 | Septicemia (A40–A41) | 3,967 | 1.5 | 13.3 |
| 10 | Influenza and pneumonia (J09–J18) | 247 | 0.7 | 1.0 | 10 | Influenza and pneumonia (J09–J18) | 3,494 | 1.3 | 11.7 |
| ... | All other causes (residual) | 5,870 | 16.7 | 22.9 | ... | All other causes (residual) | 50,812 | 19.4 | 170.6 |
| Non-Hispanic white, both sexes, 35–44 years | | | | | Non-Hispanic white, both sexes, 65 years and over | | | | |
| ... | All causes | 48,409 | 100.0 | 205.7 | ... | All causes | 1,638,592 | 100.0 | 4,277.9 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 15,057 | 31.1 | 64.0 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 414,824 | 25.3 | 1,083.0 |
| 2 | Malignant neoplasms (C00–C97) | 6,414 | 13.2 | 27.3 | 2 | Malignant neoplasms (C00–C97) | 343,275 | 20.9 | 896.2 |
| 3 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 5,991 | 12.4 | 25.5 | 3 | Chronic lower respiratory diseases .. (J40–J47) | 116,235 | 7.1 | 303.5 |
| 4 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 5,528 | 11.4 | 23.5 | 4 | Alzheimer's disease (G30) | 96,799 | 5.9 | 252.7 |
| 5 | Chronic liver disease and cirrhosis (K70,K73–K74) | 1,791 | 3.7 | 7.6 | 5 | Cerebrovascular diseases (I60–I69) | 95,821 | 5.8 | 250.2 |
| 6 | Diabetes mellitus (E10–E14) | 1,080 | 2.2 | 4.6 | 6 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 45,335 | 2.8 | 118.4 |
| 7 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 1,025 | 2.1 | 4.4 | 7 | Diabetes mellitus (E10–E14) | 39,457 | 2.4 | 103.0 |
| 8 | Cerebrovascular diseases (I60–I69) | 869 | 1.8 | 3.7 | 8 | Influenza and pneumonia (J09–J18) | 33,869 | 2.1 | 88.4 |
| 9 | Influenza and pneumonia (J09–J18) | 532 | 1.1 | 2.3 | 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 30,534 | 1.9 | 79.7 |
| 10 | Septicemia (A40–A41) | 515 | 1.1 | 2.2 | 10 | Parkinson's disease (G20–G21) | 25,207 | 1.5 | 65.8 |
| ... | All other causes (residual) | 9,607 | 19.8 | 40.8 | ... | All other causes (residual) | 397,236 | 24.2 | 1,037.1 |
| Non-Hispanic white, both sexes, 45–54 years | | | | | Non-Hispanic white, both sexes, 65–74 years | | | | |
| ... | All causes | 116,634 | 100.0 | 420.0 | ... | All causes | 395,154 | 100.0 | 1,800.3 |
| 1 | Malignant neoplasms (C00–C97) | 28,037 | 24.0 | 101.0 | 1 | Malignant neoplasms (C00–C97) | 130,650 | 33.1 | 595.2 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 22,218 | 19.0 | 80.0 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 84,617 | 21.4 | 385.5 |
| 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 16,973 | 14.6 | 61.1 | 3 | Chronic lower respiratory diseases .. (J40–J47) | 33,694 | 8.5 | 153.5 |
| 4 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 7,251 | 6.2 | 26.1 | 4 | Cerebrovascular diseases (I60–I69) | 15,129 | 3.8 | 68.9 |
| 5 | Chronic liver disease and cirrhosis (K70,K73–K74) | 5,849 | 5.0 | 21.1 | 5 | Diabetes mellitus (E10–E14) | 13,361 | 3.4 | 60.9 |
| 6 | Diabetes mellitus (E10–E14) | 3,628 | 3.1 | 13.1 | 6 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 10,991 | 2.8 | 50.1 |
| 7 | Chronic lower respiratory diseases .. (J40–J47) | 3,448 | 3.0 | 12.4 | 7 | Chronic liver disease and cirrhosis (K70,K73–K74) | 6,749 | 1.7 | 30.7 |
| 8 | Cerebrovascular diseases (I60–I69) | 2,828 | 2.4 | 10.2 | 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 6,438 | 1.6 | 29.3 |
| 9 | Septicemia (A40–A41) | 1,505 | 1.3 | 5.4 | 9 | Septicemia (A40–A41) | 6,330 | 1.6 | 28.8 |
| 10 | Influenza and pneumonia (J09–J18) | 1,354 | 1.2 | 4.9 | 10 | Influenza and pneumonia (J09–J18) | 6,006 | 1.5 | 27.4 |
| ... | All other causes (residual) | 23,543 | 20.2 | 84.8 | ... | All other causes (residual) | 81,189 | 20.5 | 369.9 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|--|-----------------------|-------------------------------|------------------------------|---------------------------------------|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic white, both sexes, 75–84 years | | | | | Non-Hispanic white, male, 1–4 years | | | | |
| ... | All causes | 514,552 | 100.0 | 4,606.0 | ... | All causes | 1,113 | 100.0 | 26.2 |
| 1 | Malignant neoplasms | 125,254 | 24.3 | 1,121.2 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 419 | 37.6 | 9.9 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 117,680 | 22.9 | 1,053.4 | 2 | Malignant neoplasms | 114 | 10.2 | 2.7 |
| 3 | Chronic lower respiratory diseases .. (J40–J47) | 44,024 | 8.6 | 394.1 | 3 | Congenital malformations, deformations and chromosomal abnormalities | 95 | 8.5 | 2.2 |
| 4 | Cerebrovascular diseases | 28,989 | 5.6 | 259.5 | 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 62 | 5.6 | 1.5 |
| 5 | Alzheimer's disease | 25,263 | 4.9 | 226.1 | 5 | Septicemia | 23 | 2.1 | 0.5 |
| 6 | Diabetes mellitus | 13,600 | 2.6 | 121.7 | 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 23 | 2.1 | 0.5 |
| 7 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 13,365 | 2.6 | 119.6 | 7 | Influenza and pneumonia | 21 | 1.9 | 0.5 |
| 8 | Parkinson's disease | 10,515 | 2.0 | 94.1 | 8 | Chronic lower respiratory diseases .. (J40–J47) | 14 | 1.3 | * |
| 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 10,132 | 2.0 | 90.7 | 9 | Cerebrovascular diseases | 12 | 1.1 | * |
| 10 | Influenza and pneumonia | 9,820 | 1.9 | 87.9 | 9 | Certain conditions originating in the perinatal period | 12 | 1.1 | * |
| ... | All other causes | 115,910 | 22.5 | 1,037.6 | ... | All other causes | 318 | 28.6 | 7.5 |
| Non-Hispanic white, both sexes, 85 years and over | | | | | Non-Hispanic white, male, 5–9 years | | | | |
| ... | All causes | 728,886 | 100.0 | 14,062.6 | ... | All causes | 649 | 100.0 | 11.9 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 212,527 | 29.2 | 4,100.3 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 218 | 33.6 | 4.0 |
| 2 | Malignant neoplasms | 87,371 | 12.0 | 1,685.7 | 2 | Malignant neoplasms | 135 | 20.8 | 2.5 |
| 3 | Alzheimer's disease | 66,012 | 9.1 | 1,273.6 | 3 | Congenital malformations, deformations and chromosomal abnormalities | 59 | 9.1 | 1.1 |
| 4 | Cerebrovascular diseases | 51,703 | 7.1 | 997.5 | 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 34 | 5.2 | 0.6 |
| 5 | Chronic lower respiratory diseases .. (J40–J47) | 38,517 | 5.3 | 743.1 | 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 20 | 3.1 | 0.4 |
| 6 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 20,979 | 2.9 | 404.8 | 6 | Influenza and pneumonia | 14 | 2.2 | * |
| 7 | Influenza and pneumonia | 18,043 | 2.5 | 348.1 | 7 | Septicemia | 10 | 1.5 | * |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 13,964 | 1.9 | 269.4 | 7 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior | 10 | 1.5 | * |
| 9 | Diabetes mellitus | 12,496 | 1.7 | 241.1 | 9 | Cerebrovascular diseases | 8 | 1.2 | * |
| 10 | Parkinson's disease | 11,231 | 1.5 | 216.7 | 10 | Anemias | 3 | 0.5 | * |
| ... | All other causes | 196,043 | 26.9 | 3,782.3 | 10 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 3 | 0.5 | * |
| Non-Hispanic white, male, all ages ⁴ | | | | | Non-Hispanic white, male, 10–14 years | | | | |
| ... | All causes | 1,077,362 | 100.0 | 1,085.6 | ... | All causes | 976 | 100.0 | 17.1 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 266,995 | 24.8 | 269.0 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 305 | 31.3 | 5.3 |
| 2 | Malignant neoplasms | 247,202 | 22.9 | 249.1 | 2 | Intentional self-harm (suicide) | 192 | 19.7 | 3.4 |
| 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 76,033 | 7.1 | 76.6 | 3 | Malignant neoplasms | 129 | 13.2 | 2.3 |
| 4 | Chronic lower respiratory diseases .. (J40–J47) | 62,945 | 5.8 | 63.4 | 4 | Congenital malformations, deformations and chromosomal abnormalities | 48 | 4.9 | 0.8 |
| 5 | Cerebrovascular diseases | 43,713 | 4.1 | 44.0 | 5 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 26 | 2.7 | 0.5 |
| 6 | Diabetes mellitus | 30,010 | 2.8 | 30.2 | 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 22 | 2.3 | 0.4 |
| 7 | Alzheimer's disease | 29,886 | 2.8 | 30.1 | 7 | Chronic lower respiratory diseases .. (J40–J47) | 15 | 1.5 | * |
| 8 | Intentional self-harm (suicide) | 28,110 | 2.6 | 28.3 | 8 | Cerebrovascular diseases | 13 | 1.3 | * |
| 9 | Influenza and pneumonia | 19,033 | 1.8 | 19.2 | 9 | Influenza and pneumonia | 10 | 1.0 | * |
| 10 | Chronic liver disease and cirrhosis | 18,522 | 1.7 | 18.7 | 10 | Septicemia | 9 | 0.9 | * |
| ... | All other causes | 254,913 | 23.7 | 256.9 | ... | All other causes | 207 | 21.2 | 3.6 |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---------------------------------------|--|-----------------------|-------------------------------|------------------------------|---------------------------------------|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic white, male, 15–19 years | | | | | Non-Hispanic white, male, 35–44 years | | | | |
| ... | All causes | 3,924 | 100.0 | 65.3 | ... | All causes | 30,522 | 100.0 | 257.9 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 1,772 | 45.2 | 29.5 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 10,533 | 34.5 | 89.0 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 1,097 | 28.0 | 18.2 | 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 4,110 | 13.5 | 34.7 |
| 3 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 206 | 5.2 | 3.4 | 3 | Diseases of heart.... (I00–I09,I11,I13,I20–I51) | 4,098 | 13.4 | 34.6 |
| 4 | Malignant neoplasms.....(C00–C97) | 194 | 4.9 | 3.2 | 4 | Malignant neoplasms.....(C00–C97) | 2,870 | 9.4 | 24.3 |
| 5 | Diseases of heart.... (I00–I09,I11,I13,I20–I51) | 85 | 2.2 | 1.4 | 5 | Chronic liver disease and cirrhosis.....(K70,K73–K74) | 1,059 | 3.5 | 8.9 |
| 6 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99) | 65 | 1.7 | 1.1 | 6 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 694 | 2.3 | 5.9 |
| 7 | Diabetes mellitus.....(E10–E14) | 20 | 0.5 | 0.3 | 7 | Diabetes mellitus.....(E10–E14) | 666 | 2.2 | 5.6 |
| 7 | Influenza and pneumonia..... (J09–J18) | 20 | 0.5 | 0.3 | 8 | Cerebrovascular diseases..... (I60–I69) | 485 | 1.6 | 4.1 |
| 9 | Cerebrovascular diseases..... (I60–I69) | 16 | 0.4 | * | 9 | Influenza and pneumonia..... (J09–J18) | 280 | 0.9 | 2.4 |
| 9 | Chronic lower respiratory diseases.. (J40–J47) | 16 | 0.4 | * | 10 | Septicemia.....(A40–A41) | 260 | 0.9 | 2.2 |
| ... | All other causes.....(residual) | 433 | 11.0 | 7.2 | ... | All other causes.....(residual) | 5,467 | 17.9 | 46.2 |
| Non-Hispanic white, male, 20–24 years | | | | | Non-Hispanic white, male, 45–54 years | | | | |
| ... | All causes | 8,721 | 100.0 | 136.2 | ... | All causes | 70,971 | 100.0 | 513.3 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 4,785 | 54.9 | 74.7 | 1 | Diseases of heart.... (I00–I09,I11,I13,I20–I51) | 15,750 | 22.2 | 113.9 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 1,945 | 22.3 | 30.4 | 2 | Malignant neoplasms.....(C00–C97) | 13,911 | 19.6 | 100.6 |
| 3 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 343 | 3.9 | 5.4 | 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 11,284 | 15.9 | 81.6 |
| 4 | Malignant neoplasms.....(C00–C97) | 270 | 3.1 | 4.2 | 4 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 5,275 | 7.4 | 38.2 |
| 5 | Diseases of heart.... (I00–I09,I11,I13,I20–I51) | 231 | 2.6 | 3.6 | 5 | Chronic liver disease and cirrhosis.....(K70,K73–K74) | 3,681 | 5.2 | 26.6 |
| 6 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99) | 54 | 0.6 | 0.8 | 6 | Diabetes mellitus.....(E10–E14) | 2,400 | 3.4 | 17.4 |
| 7 | Diabetes mellitus.....(E10–E14) | 45 | 0.5 | 0.7 | 7 | Cerebrovascular diseases..... (I60–I69) | 1,566 | 2.2 | 11.3 |
| 8 | Influenza and pneumonia..... (J09–J18) | 37 | 0.4 | 0.6 | 8 | Chronic lower respiratory diseases.. (J40–J47) | 1,540 | 2.2 | 11.1 |
| 8 | Chronic lower respiratory diseases.. (J40–J47) | 37 | 0.4 | 0.6 | 9 | Septicemia.....(A40–A41) | 805 | 1.1 | 5.8 |
| 10 | Septicemia.....(A40–A41) | 32 | 0.4 | 0.5 | 10 | Influenza and pneumonia..... (J09–J18) | 702 | 1.0 | 5.1 |
| 10 | Cerebrovascular diseases..... (I60–I69) | 32 | 0.4 | 0.5 | ... | All other causes.....(residual) | 14,057 | 19.8 | 101.7 |
| ... | All other causes.....(residual) | 910 | 10.4 | 14.2 | Non-Hispanic white, male, 55–64 years | | | | |
| Non-Hispanic white, male, 25–34 years | | | | | ... | All causes | 160,050 | 100.0 | 1,100.6 |
| ... | All causes | 24,293 | 100.0 | 187.5 | 1 | Malignant neoplasms.....(C00–C97) | 46,980 | 29.4 | 323.1 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 12,533 | 51.6 | 96.7 | 2 | Diseases of heart.... (I00–I09,I11,I13,I20–I51) | 38,770 | 24.2 | 266.6 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 4,199 | 17.3 | 32.4 | 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 10,948 | 6.8 | 75.3 |
| 3 | Diseases of heart.... (I00–I09,I11,I13,I20–I51) | 1,227 | 5.1 | 9.5 | 4 | Chronic lower respiratory diseases.. (J40–J47) | 7,515 | 4.7 | 51.7 |
| 4 | Malignant neoplasms.....(C00–C97) | 1,093 | 4.5 | 8.4 | 5 | Chronic liver disease and cirrhosis.....(K70,K73–K74) | 6,622 | 4.1 | 45.5 |
| 5 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 812 | 3.3 | 6.3 | 6 | Diabetes mellitus.....(E10–E14) | 5,539 | 3.5 | 38.1 |
| 6 | Chronic liver disease and cirrhosis.....(K70,K73–K74) | 319 | 1.3 | 2.5 | 7 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 5,088 | 3.2 | 35.0 |
| 7 | Diabetes mellitus.....(E10–E14) | 235 | 1.0 | 1.8 | 8 | Cerebrovascular diseases..... (I60–I69) | 4,367 | 2.7 | 30.0 |
| 8 | Cerebrovascular diseases..... (I60–I69) | 156 | 0.6 | 1.2 | 9 | Septicemia.....(A40–A41) | 2,185 | 1.4 | 15.0 |
| 9 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99) | 135 | 0.6 | 1.0 | 10 | Influenza and pneumonia..... (J09–J18) | 1,926 | 1.2 | 13.2 |
| 10 | Influenza and pneumonia..... (J09–J18) | 129 | 0.5 | 1.0 | ... | All other causes.....(residual) | 30,110 | 18.8 | 207.1 |
| ... | All other causes.....(residual) | 3,455 | 14.2 | 26.7 | | | | | |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|---|-----------------------|-------------------------------|------------------------------|---|---|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic white, male, 65 years and over | | | | | Non-Hispanic white, male, 85 years and over | | | | |
| ... | All causes | 770,488 | 100.0 | 4,483.5 | ... | All causes | 278,054 | 100.0 | 15,274.6 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 206,692 | 26.8 | 1,202.7 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 85,388 | 30.7 | 4,690.7 |
| 2 | Malignant neoplasms(C00–C97) | 181,490 | 23.6 | 1,056.1 | 2 | Malignant neoplasms(C00–C97) | 41,944 | 15.1 | 2,304.1 |
| 3 | Chronic lower respiratory diseases . . (J40–J47) | 53,490 | 6.9 | 311.3 | 3 | Alzheimer's disease(G30) | 17,539 | 6.3 | 963.5 |
| 4 | Cerebrovascular diseases(I60–I69) | 37,020 | 4.8 | 215.4 | 4 | Cerebrovascular diseases(I60–I69) | 15,764 | 5.7 | 866.0 |
| 5 | Alzheimer's disease(G30) | 29,479 | 3.8 | 171.5 | 5 | Chronic lower respiratory diseases . . (J40–J47) | 15,683 | 5.6 | 861.5 |
| 6 | Accidents (unintentional injuries)(V01–X59,Y85–Y86) | 22,876 | 3.0 | 133.1 | 6 | Accidents (unintentional injuries)(V01–X59,Y85–Y86) | 8,513 | 3.1 | 467.7 |
| 7 | Diabetes mellitus(E10–E14) | 21,100 | 2.7 | 122.8 | 7 | Influenza and pneumonia(J09–J18) | 7,402 | 2.7 | 406.6 |
| 8 | Influenza and pneumonia(J09–J18) | 15,850 | 2.1 | 92.2 | 8 | Nephritis, nephrotic syndrome and nephrosis(N00–N07,N17–N19,N25–N27) | 6,429 | 2.3 | 353.2 |
| 9 | Nephritis, nephrotic syndrome and nephrosis(N00–N07,N17–N19,N25–N27) | 15,466 | 2.0 | 90.0 | 9 | Parkinson's disease(G20–G21) | 6,128 | 2.2 | 336.6 |
| 10 | Parkinson's disease(G20–G21) | 15,240 | 2.0 | 88.7 | 10 | Diabetes mellitus(E10–E14) | 5,537 | 2.0 | 304.2 |
| ... | All other causes(residual) | 171,785 | 22.3 | 999.6 | ... | All other causes(residual) | 67,727 | 24.4 | 3,720.5 |
| Non-Hispanic white, male, 65–74 years | | | | | Non-Hispanic white, female, all ages ⁴ | | | | |
| ... | All causes | 227,014 | 100.0 | 2,175.8 | ... | All causes | 1,056,101 | 100.0 | 1,034.6 |
| 1 | Malignant neoplasms(C00–C97) | 72,516 | 31.9 | 695.0 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 233,636 | 22.1 | 228.9 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 55,151 | 24.3 | 528.6 | 2 | Malignant neoplasms(C00–C97) | 219,265 | 20.8 | 214.8 |
| 3 | Chronic lower respiratory diseases . . (J40–J47) | 17,047 | 7.5 | 163.4 | 3 | Chronic lower respiratory diseases . . (J40–J47) | 72,323 | 6.8 | 70.8 |
| 4 | Diabetes mellitus(E10–E14) | 8,032 | 3.5 | 77.0 | 4 | Alzheimer's disease(G30) | 67,893 | 6.4 | 66.5 |
| 5 | Cerebrovascular diseases(I60–I69) | 8,025 | 3.5 | 76.9 | 5 | Cerebrovascular diseases(I60–I69) | 63,778 | 6.0 | 62.5 |
| 6 | Accidents (unintentional injuries)(V01–X59,Y85–Y86) | 7,056 | 3.1 | 67.6 | 6 | Accidents (unintentional injuries)(V01–X59,Y85–Y86) | 45,608 | 4.3 | 44.7 |
| 7 | Chronic liver disease and cirrhosis(K70,K73–K74) | 4,317 | 1.9 | 41.4 | 7 | Diabetes mellitus(E10–E14) | 23,389 | 2.2 | 22.9 |
| 8 | Nephritis, nephrotic syndrome and nephrosis(N00–N07,N17–N19,N25–N27) | 3,523 | 1.6 | 33.8 | 8 | Influenza and pneumonia(J09–J18) | 20,715 | 2.0 | 20.3 |
| 9 | Influenza and pneumonia(J09–J18) | 3,338 | 1.5 | 32.0 | 9 | Nephritis, nephrotic syndrome and nephrosis(N00–N07,N17–N19,N25–N27) | 17,032 | 1.6 | 16.7 |
| 10 | Septicemia(A40–A41) | 3,330 | 1.5 | 31.9 | 10 | Septicemia(A40–A41) | 15,389 | 1.5 | 15.1 |
| ... | All other causes(residual) | 44,679 | 19.7 | 428.2 | ... | All other causes(residual) | 277,073 | 26.2 | 271.4 |
| Non-Hispanic white, male, 75–84 years | | | | | Non-Hispanic white, female, 1–4 years | | | | |
| ... | All causes | 265,420 | 100.0 | 5,382.6 | ... | All causes | 865 | 100.0 | 21.4 |
| 1 | Malignant neoplasms(C00–C97) | 67,030 | 25.3 | 1,359.3 | 1 | Accidents (unintentional injuries)(V01–X59,Y85–Y86) | 261 | 30.2 | 6.5 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 66,153 | 24.9 | 1,341.5 | 2 | Congenital malformations, deformations and chromosomal abnormalities(Q00–Q99) | 96 | 11.1 | 2.4 |
| 3 | Chronic lower respiratory diseases . . (J40–J47) | 20,760 | 7.8 | 421.0 | 3 | Malignant neoplasms(C00–C97) | 92 | 10.6 | 2.3 |
| 4 | Cerebrovascular diseases(I60–I69) | 13,231 | 5.0 | 268.3 | 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 59 | 6.8 | 1.5 |
| 5 | Alzheimer's disease(G30) | 9,654 | 3.6 | 195.8 | 5 | Influenza and pneumonia(J09–J18) | 26 | 3.0 | 0.6 |
| 6 | Diabetes mellitus(E10–E14) | 7,531 | 2.8 | 152.7 | 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 22 | 2.5 | 0.5 |
| 7 | Accidents (unintentional injuries)(V01–X59,Y85–Y86) | 7,307 | 2.8 | 148.2 | 7 | Cerebrovascular diseases(I60–I69) | 15 | 1.7 | * |
| 8 | Parkinson's disease(G20–G21) | 6,785 | 2.6 | 137.6 | 8 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior(D00–D48) | 14 | 1.6 | * |
| 9 | Nephritis, nephrotic syndrome and nephrosis(N00–N07,N17–N19,N25–N27) | 5,514 | 2.1 | 111.8 | 9 | Septicemia(A40–A41) | 11 | 1.3 | * |
| 10 | Influenza and pneumonia(J09–J18) | 5,110 | 1.9 | 103.6 | 10 | Chronic lower respiratory diseases . . (J40–J47) | 8 | 0.9 | * |
| ... | All other causes(residual) | 56,345 | 21.2 | 1,142.6 | 10 | Certain conditions originating in the perinatal period(P00–P96) | 8 | 0.9 | * |
| ... | | | | | ... | All other causes(residual) | 253 | 29.2 | 6.3 |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|--|-----------------------|-------------------------------|------------------------------|---|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic white, female, 5–9 years | | | | | Non-Hispanic white, female, 15–19 years | | | | |
| ... | All causes | 509 | 100.0 | 9.8 | ... | All causes | 1,744 | 100.0 | 30.5 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 142 | 27.9 | 2.7 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 773 | 44.3 | 13.5 |
| 2 | Malignant neoplasms | 86 | 16.9 | 1.7 | 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 325 | 18.6 | 5.7 |
| 3 | Congenital malformations, deformations and chromosomal abnormalities | 49 | 9.6 | 0.9 | 3 | Malignant neoplasms | 124 | 7.1 | 2.2 |
| 4 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 19 | 3.7 | * | 4 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 78 | 4.5 | 1.4 |
| 4 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 19 | 3.7 | * | 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 64 | 3.7 | 1.1 |
| 6 | Influenza and pneumonia | 12 | 2.4 | * | 6 | Congenital malformations, deformations and chromosomal abnormalities | 39 | 2.2 | 0.7 |
| 7 | Septicemia | 10 | 2.0 | * | 7 | Diabetes mellitus | 13 | 0.7 | * |
| 7 | Chronic lower respiratory diseases .. (J40–J47) | 10 | 2.0 | * | 7 | Influenza and pneumonia | 13 | 0.7 | * |
| 9 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior | 7 | 1.4 | * | 9 | Cerebrovascular diseases | 10 | 0.6 | * |
| 10 | Diabetes mellitus | 6 | 1.2 | * | 10 | Septicemia | 8 | 0.5 | * |
| ... | All other causes | 149 | 29.3 | 2.9 | ... | Pregnancy, childbirth and the puerperium | 8 | 0.5 | * |
| Non-Hispanic white, female, 10–14 years | | | | | Non-Hispanic white, female, 20–24 years | | | | |
| ... | All causes | 647 | 100.0 | 11.9 | ... | All causes | 3,126 | 100.0 | 51.6 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 179 | 27.7 | 3.3 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 1,565 | 50.1 | 25.9 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 117 | 18.1 | 2.2 | 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 389 | 12.4 | 6.4 |
| 3 | Malignant neoplasms | 90 | 13.9 | 1.7 | 3 | Malignant neoplasms | 156 | 5.0 | 2.6 |
| 4 | Congenital malformations, deformations and chromosomal abnormalities | 32 | 4.9 | 0.6 | 4 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 139 | 4.4 | 2.3 |
| 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) | 101 | 3.2 | 1.7 |
| 6 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 18 | 2.8 | * | 6 | Pregnancy, childbirth and the puerperium | 71 | 2.3 | 1.2 |
| 7 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior | 9 | 1.4 | * | 7 | Congenital malformations, deformations and chromosomal abnormalities | 52 | 1.7 | 0.9 |
| 8 | Influenza and pneumonia | 8 | 1.2 | * | 8 | Diabetes mellitus | 35 | 1.1 | 0.6 |
| 9 | Cerebrovascular diseases | 7 | 1.1 | * | 9 | Influenza and pneumonia | 30 | 1.0 | 0.5 |
| 10 | Septicemia | 5 | 0.8 | * | 10 | Chronic lower respiratory diseases .. (J40–J47) | 27 | 0.9 | 0.4 |
| 10 | Diabetes mellitus | 5 | 0.8 | * | ... | All other causes | 561 | 17.9 | 9.3 |
| 10 | Chronic lower respiratory diseases .. (J40–J47) | 5 | 0.8 | * | Non-Hispanic white, female, 25–34 years | | | | |
| ... | All other causes | 151 | 23.3 | 2.8 | ... | All causes | 10,929 | 100.0 | 86.5 |
| | | | | | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 4,637 | 42.4 | 36.7 |
| | | | | | 2 | Malignant neoplasms | 1,114 | 10.2 | 8.8 |
| | | | | | 3 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 1,081 | 9.9 | 8.6 |
| | | | | | 4 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 584 | 5.3 | 4.6 |
| | | | | | 5 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 328 | 3.0 | 2.6 |
| | | | | | 6 | Chronic liver disease and cirrhosis | 232 | 2.1 | 1.8 |
| | | | | | 7 | Pregnancy, childbirth and the puerperium | 201 | 1.8 | 1.6 |
| | | | | | 8 | Diabetes mellitus | 169 | 1.5 | 1.3 |
| | | | | | 9 | Cerebrovascular diseases | 127 | 1.2 | 1.0 |
| | | | | | 10 | Septicemia | 125 | 1.1 | 1.0 |
| | | | | | ... | All other causes | 2,331 | 21.3 | 18.5 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

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| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|--|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic white, female, 35–44 years | | | | | Non-Hispanic white, female, 65 years and over | | | | |
| ... | All causes | 17,887 | 100.0 | 152.9 | ... | All causes | 868,104 | 100.0 | 4,110.7 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 4,524 | 25.3 | 38.7 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 208,132 | 24.0 | 985.6 |
| 2 | Malignant neoplasms (C00–C97) | 3,544 | 19.8 | 30.3 | 2 | Malignant neoplasms (C00–C97) | 161,785 | 18.6 | 766.1 |
| 3 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1,893 | 10.6 | 16.2 | 3 | Alzheimer's disease (G30) | 67,320 | 7.8 | 318.8 |
| 4 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 1,418 | 7.9 | 12.1 | 4 | Chronic lower respiratory diseases .. (J40–J47) | 62,745 | 7.2 | 297.1 |
| 5 | Chronic liver disease and cirrhosis (K70,K73–K74) | 732 | 4.1 | 6.3 | 5 | Cerebrovascular diseases (I60–I69) | 58,801 | 6.8 | 278.4 |
| 6 | Diabetes mellitus (E10–E14) | 414 | 2.3 | 3.5 | 6 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 22,459 | 2.6 | 106.3 |
| 7 | Cerebrovascular diseases (I60–I69) | 384 | 2.1 | 3.3 | 7 | Diabetes mellitus (E10–E14) | 18,357 | 2.1 | 86.9 |
| 8 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 331 | 1.9 | 2.8 | 8 | Influenza and pneumonia (J09–J18) | 18,019 | 2.1 | 85.3 |
| 9 | Septicemia (A40–A41) | 255 | 1.4 | 2.2 | 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 15,068 | 1.7 | 71.4 |
| 10 | Influenza and pneumonia (J09–J18) | 252 | 1.4 | 2.2 | 10 | Septicemia (A40–A41) | 12,442 | 1.4 | 58.9 |
| ... | All other causes (residual) | 4,140 | 23.1 | 35.4 | ... | All other causes (residual) | 222,976 | 25.7 | 1,055.8 |
| Non-Hispanic white, female, 45–54 years | | | | | Non-Hispanic white, female, 65–74 years | | | | |
| ... | All causes | 45,663 | 100.0 | 327.5 | ... | All causes | 168,140 | 100.0 | 1,460.2 |
| 1 | Malignant neoplasms (C00–C97) | 14,126 | 30.9 | 101.3 | 1 | Malignant neoplasms (C00–C97) | 58,134 | 34.6 | 504.8 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 6,468 | 14.2 | 46.4 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 29,466 | 17.5 | 255.9 |
| 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 5,689 | 12.5 | 40.8 | 3 | Chronic lower respiratory diseases .. (J40–J47) | 16,647 | 9.9 | 144.6 |
| 4 | Chronic liver disease and cirrhosis (K70,K73–K74) | 2,168 | 4.7 | 15.5 | 4 | Cerebrovascular diseases (I60–I69) | 7,104 | 4.2 | 61.7 |
| 5 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 1,976 | 4.3 | 14.2 | 5 | Diabetes mellitus (E10–E14) | 5,329 | 3.2 | 46.3 |
| 6 | Chronic lower respiratory diseases .. (J40–J47) | 1,908 | 4.2 | 13.7 | 6 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 3,935 | 2.3 | 34.2 |
| 7 | Cerebrovascular diseases (I60–I69) | 1,262 | 2.8 | 9.1 | 7 | Alzheimer's disease (G30) | 3,238 | 1.9 | 28.1 |
| 8 | Diabetes mellitus (E10–E14) | 1,228 | 2.7 | 8.8 | 8 | Septicemia (A40–A41) | 3,000 | 1.8 | 26.1 |
| 9 | Septicemia (A40–A41) | 700 | 1.5 | 5.0 | 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 2,915 | 1.7 | 25.3 |
| 10 | Influenza and pneumonia (J09–J18) | 652 | 1.4 | 4.7 | 10 | Influenza and pneumonia (J09–J18) | 2,668 | 1.6 | 23.2 |
| ... | All other causes (residual) | 9,486 | 20.8 | 68.0 | ... | All other causes (residual) | 35,704 | 21.2 | 310.1 |
| Non-Hispanic white, female, 55–64 years | | | | | Non-Hispanic white, female, 75–84 years | | | | |
| ... | All causes | 102,180 | 100.0 | 670.2 | ... | All causes | 249,132 | 100.0 | 3,992.4 |
| 1 | Malignant neoplasms (C00–C97) | 38,131 | 37.3 | 250.1 | 1 | Malignant neoplasms (C00–C97) | 58,224 | 23.4 | 933.1 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 16,259 | 15.9 | 106.6 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 51,527 | 20.7 | 825.7 |
| 3 | Chronic lower respiratory diseases .. (J40–J47) | 7,316 | 7.2 | 48.0 | 3 | Chronic lower respiratory diseases .. (J40–J47) | 23,264 | 9.3 | 372.8 |
| 4 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 5,137 | 5.0 | 33.7 | 4 | Cerebrovascular diseases (I60–I69) | 15,758 | 6.3 | 252.5 |
| 5 | Chronic liver disease and cirrhosis (K70,K73–K74) | 3,178 | 3.1 | 20.8 | 5 | Alzheimer's disease (G30) | 15,609 | 6.3 | 250.1 |
| 6 | Diabetes mellitus (E10–E14) | 3,160 | 3.1 | 20.7 | 6 | Diabetes mellitus (E10–E14) | 6,069 | 2.4 | 97.3 |
| 7 | Cerebrovascular diseases (I60–I69) | 3,134 | 3.1 | 20.6 | 7 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 6,058 | 2.4 | 97.1 |
| 8 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 1,813 | 1.8 | 11.9 | 8 | Influenza and pneumonia (J09–J18) | 4,710 | 1.9 | 75.5 |
| 9 | Septicemia (A40–A41) | 1,782 | 1.7 | 11.7 | 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 4,618 | 1.9 | 74.0 |
| 10 | Influenza and pneumonia (J09–J18) | 1,568 | 1.5 | 10.3 | 10 | Septicemia (A40–A41) | 4,098 | 1.6 | 65.7 |
| ... | All other causes (residual) | 20,702 | 20.3 | 135.8 | ... | All other causes (residual) | 59,197 | 23.8 | 948.6 |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|---|-----------------------|-------------------------------|------------------------------|--|---|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic white, female, 85 years and over | | | | | Non-Hispanic black, both sexes, 5–9 years | | | | |
| ... | All causes | 450,832 | 100.0 | 13,406.5 | ... | All causes | 610 | 100.0 | 19.5 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 127,139 | 28.2 | 3,780.8 | 1 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 220 | 36.1 | 7.0 |
| 2 | Alzheimer's disease (G30) | 48,473 | 10.8 | 1,441.4 | 2 | Malignant neoplasms (C00–C97) | 79 | 13.0 | 2.5 |
| 3 | Malignant neoplasms (C00–C97) | 45,427 | 10.1 | 1,350.9 | 3 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 54 | 8.9 | 1.7 |
| 4 | Cerebrovascular diseases (I60–I69) | 35,939 | 8.0 | 1,068.7 | 4 | Chronic lower respiratory diseases . . (J40–J47) | 43 | 7.0 | 1.4 |
| 5 | Chronic lower respiratory diseases . . (J40–J47) | 22,834 | 5.1 | 679.0 | 5 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 38 | 6.2 | 1.2 |
| 6 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 12,466 | 2.8 | 370.7 | 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 20 | 3.3 | 0.6 |
| 7 | Influenza and pneumonia (J09–J18) | 10,641 | 2.4 | 316.4 | 7 | Septicemia (A40–A41) | 9 | 1.5 | * |
| 8 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 7,671 | 1.7 | 228.1 | 7 | Influenza and pneumonia (J09–J18) | 9 | 1.5 | * |
| 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 7,535 | 1.7 | 224.1 | 9 | Anemias (D50–D64) | 7 | 1.1 | * |
| 10 | Diabetes mellitus (E10–E14) | 6,959 | 1.5 | 206.9 | 9 | Cerebrovascular diseases (I60–I69) | 7 | 1.1 | * |
| ... | All other causes (residual) | 125,748 | 27.9 | 3,739.4 | ... | All other causes (residual) | 124 | 20.3 | 4.0 |
| Non-Hispanic black, both sexes, all ages ⁴ | | | | | Non-Hispanic black, both sexes, 10–14 years | | | | |
| ... | All causes | 326,810 | 100.0 | 775.5 | ... | All causes | 623 | 100.0 | 20.4 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 76,608 | 23.4 | 181.8 | 1 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 168 | 27.0 | 5.5 |
| 2 | Malignant neoplasms (C00–C97) | 69,725 | 21.3 | 165.5 | 2 | Malignant neoplasms (C00–C97) | 65 | 10.4 | 2.1 |
| 3 | Cerebrovascular diseases (I60–I69) | 18,189 | 5.6 | 43.2 | 3 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 64 | 10.3 | 2.1 |
| 4 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 18,089 | 5.5 | 42.9 | 4 | Chronic lower respiratory diseases . . (J40–J47) | 45 | 7.2 | 1.5 |
| 5 | Diabetes mellitus (E10–E14) | 14,053 | 4.3 | 33.3 | 5 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 40 | 6.4 | 1.3 |
| 6 | Chronic lower respiratory diseases . . (J40–J47) | 10,838 | 3.3 | 25.7 | 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 31 | 5.0 | 1.0 |
| 7 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 9,860 | 3.0 | 23.4 | 7 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 24 | 3.9 | 0.8 |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 9,200 | 2.8 | 21.8 | 8 | Cerebrovascular diseases (I60–I69) | 13 | 2.1 | * |
| 9 | Alzheimer's disease (G30) | 8,577 | 2.6 | 20.4 | 9 | Influenza and pneumonia (J09–J18) | 12 | 1.9 | * |
| 10 | Septicemia (A40–A41) | 6,684 | 2.0 | 15.9 | 10 | Diabetes mellitus (E10–E14) | 8 | 1.3 | * |
| ... | All other causes (residual) | 84,987 | 26.0 | 201.7 | ... | All other causes (residual) | 153 | 24.6 | 5.0 |
| Non-Hispanic black, both sexes, 1–4 years | | | | | Non-Hispanic black, both sexes, 15–19 years | | | | |
| ... | All causes | 1,016 | 100.0 | 41.5 | ... | All causes | 2,570 | 100.0 | 80.1 |
| 1 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 277 | 27.3 | 11.3 | 1 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 1,122 | 43.7 | 35.0 |
| 2 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 141 | 13.9 | 5.8 | 2 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 619 | 24.1 | 19.3 |
| 3 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 111 | 10.9 | 4.5 | 3 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 197 | 7.7 | 6.1 |
| 4 | Malignant neoplasms (C00–C97) | 58 | 5.7 | 2.4 | 4 | Malignant neoplasms (C00–C97) | 90 | 3.5 | 2.8 |
| 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 34 | 3.3 | 1.4 | 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 88 | 3.4 | 2.7 |
| 5 | Influenza and pneumonia (J09–J18) | 34 | 3.3 | 1.4 | 6 | Chronic lower respiratory diseases . . (J40–J47) | 40 | 1.6 | 1.2 |
| 7 | Certain conditions originating in the perinatal period (P00–P96) | 26 | 2.6 | 1.1 | 7 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 39 | 1.5 | 1.2 |
| 8 | Chronic lower respiratory diseases . . (J40–J47) | 19 | 1.9 | * | 8 | Anemias (D50–D64) | 28 | 1.1 | 0.9 |
| 9 | Cerebrovascular diseases (I60–I69) | 15 | 1.5 | * | 9 | Legal intervention (Y35,Y89.0) | 14 | 0.5 | * |
| 10 | Septicemia (A40–A41) | 14 | 1.4 | * | 10 | Septicemia (A40–A41) | 13 | 0.5 | * |
| ... | All other causes (residual) | 287 | 28.2 | 11.7 | 10 | Cerebrovascular diseases (I60–I69) | 13 | 0.5 | * |
| | | | | | 10 | Influenza and pneumonia (J09–J18) | 13 | 0.5 | * |
| | | | | | ... | All other causes (residual) | 294 | 11.4 | 9.2 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|--|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic black, both sexes, 20–24 years | | | | | Non-Hispanic black, both sexes, 45–54 years | | | | |
| ... | All causes | 5,133 | 100.0 | 147.2 | ... | All causes | 31,638 | 100.0 | 588.6 |
| 1 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 2,159 | 42.1 | 61.9 | 1 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 7,697 | 24.3 | 143.2 |
| 2 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 1,250 | 24.4 | 35.8 | 2 | Malignant neoplasms (C00–C97) | 6,823 | 21.6 | 126.9 |
| 3 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 459 | 8.9 | 13.2 | 3 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 3,165 | 10.0 | 58.9 |
| 4 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 212 | 4.1 | 6.1 | 4 | Diabetes mellitus (E10–E14) | 1,501 | 4.7 | 27.9 |
| 5 | Malignant neoplasms (C00–C97) | 140 | 2.7 | 4.0 | 5 | Cerebrovascular diseases (I60–I69) | 1,447 | 4.6 | 26.9 |
| 6 | Pregnancy, childbirth and the puerperium (O00–O99) | 61 | 1.2 | 1.7 | 6 | Human immunodeficiency virus (HIV) disease (B20–B24) | 867 | 2.7 | 16.1 |
| 7 | Diabetes mellitus (E10–E14) | 54 | 1.1 | 1.5 | 7 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 806 | 2.5 | 15.0 |
| 8 | Human immunodeficiency virus (HIV) disease (B20–B24) | 49 | 1.0 | 1.4 | 8 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27) | 721 | 2.3 | 13.4 |
| 9 | Chronic lower respiratory diseases . . (J40–J47) | 38 | 0.7 | 1.1 | 9 | Chronic liver disease and cirrhosis (K70,K73–K74) | 643 | 2.0 | 12.0 |
| 10 | Influenza and pneumonia (J09–J18) | 37 | 0.7 | 1.1 | 10 | Septicemia (A40–A41) | 591 | 1.9 | 11.0 |
| ... | All other causes (residual) | 674 | 13.1 | 19.3 | ... | All other causes (residual) | 7,377 | 23.3 | 137.2 |
| Non-Hispanic black, both sexes, 25–34 years | | | | | Non-Hispanic black, both sexes, 55–64 years | | | | |
| ... | All causes | 11,512 | 100.0 | 183.1 | ... | All causes | 62,821 | 100.0 | 1,311.2 |
| 1 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 3,101 | 26.9 | 49.3 | 1 | Malignant neoplasms (C00–C97) | 18,210 | 29.0 | 380.1 |
| 2 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 2,751 | 23.9 | 43.8 | 2 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 15,534 | 24.7 | 324.2 |
| 3 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 1,017 | 8.8 | 16.2 | 3 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 3,229 | 5.1 | 67.4 |
| 4 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 729 | 6.3 | 11.6 | 4 | Diabetes mellitus (E10–E14) | 3,061 | 4.9 | 63.9 |
| 5 | Malignant neoplasms (C00–C97) | 640 | 5.6 | 10.2 | 5 | Cerebrovascular diseases (I60–I69) | 2,956 | 4.7 | 61.7 |
| 6 | Human immunodeficiency virus (HIV) disease (B20–B24) | 338 | 2.9 | 5.4 | 6 | Chronic lower respiratory diseases . . (J40–J47) | 2,079 | 3.3 | 43.4 |
| 7 | Diabetes mellitus (E10–E14) | 249 | 2.2 | 4.0 | 7 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27) | 1,658 | 2.6 | 34.6 |
| 8 | Pregnancy, childbirth and the puerperium (O00–O99) | 154 | 1.3 | 2.4 | 8 | Septicemia (A40–A41) | 1,378 | 2.2 | 28.8 |
| 9 | Cerebrovascular diseases (I60–I69) | 139 | 1.2 | 2.2 | 9 | Chronic liver disease and cirrhosis (K70,K73–K74) | 1,331 | 2.1 | 27.8 |
| 10 | Chronic lower respiratory diseases . . (J40–J47) | 134 | 1.2 | 2.1 | 10 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 1,029 | 1.6 | 21.5 |
| ... | All other causes (residual) | 2,260 | 19.6 | 35.9 | ... | All other causes (residual) | 12,356 | 19.7 | 257.9 |
| Non-Hispanic black, both sexes, 35–44 years | | | | | Non-Hispanic black, both sexes, 65 years and over | | | | |
| ... | All causes | 15,195 | 100.0 | 286.7 | ... | All causes | 188,818 | 100.0 | 4,235.2 |
| 1 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 2,864 | 18.8 | 54.0 | 1 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 49,021 | 26.0 | 1,099.6 |
| 2 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 2,569 | 16.9 | 48.5 | 2 | Malignant neoplasms (C00–C97) | 41,732 | 22.1 | 936.1 |
| 3 | Malignant neoplasms (C00–C97) | 1,874 | 12.3 | 35.4 | 3 | Cerebrovascular diseases (I60–I69) | 13,039 | 6.9 | 292.5 |
| 4 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 1,643 | 10.8 | 31.0 | 4 | Diabetes mellitus (E10–E14) | 8,586 | 4.5 | 192.6 |
| 5 | Diabetes mellitus (E10–E14) | 581 | 3.8 | 11.0 | 5 | Alzheimer's disease (G30) | 8,462 | 4.5 | 189.8 |
| 6 | Human immunodeficiency virus (HIV) disease (B20–B24) | 541 | 3.6 | 10.2 | 6 | Chronic lower respiratory diseases . . (J40–J47) | 7,670 | 4.1 | 172.0 |
| 7 | Cerebrovascular diseases (I60–I69) | 502 | 3.3 | 9.5 | 7 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27) | 6,367 | 3.4 | 142.8 |
| 8 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 452 | 3.0 | 8.5 | 8 | Septicemia (A40–A41) | 4,236 | 2.2 | 95.0 |
| 9 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27) | 300 | 2.0 | 5.7 | 9 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 4,103 | 2.2 | 92.0 |
| 10 | Septicemia (A40–A41) | 243 | 1.6 | 4.6 | 10 | Influenza and pneumonia (J09–J18) | 3,707 | 2.0 | 83.1 |
| ... | All other causes (residual) | 3,626 | 23.9 | 68.4 | ... | All other causes (residual) | 41,895 | 22.2 | 939.7 |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|--|-----------------------|-------------------------------|------------------------------|---|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic black, both sexes, 65–74 years | | | | | Non-Hispanic black, male, all ages ⁴ | | | | |
| ... | All causes | 67,628 | 100.0 | 2,459.5 | ... | All causes | 168,750 | 100.0 | 836.2 |
| 1 | Malignant neoplasms | 19,726 | 29.2 | 717.4 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 40,044 | 23.7 | 198.4 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 17,010 | 25.2 | 618.6 | 2 | Malignant neoplasms | 35,215 | 20.9 | 174.5 |
| 3 | Cerebrovascular diseases | 3,891 | 5.8 | 141.5 | 3 | Accidents (unintentional injuries) | 12,453 | 7.4 | 61.7 |
| 4 | Diabetes mellitus | 3,609 | 5.3 | 131.3 | 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 8,532 | 5.1 | 42.3 |
| 5 | Chronic lower respiratory diseases .. (J40–J47) | 2,983 | 4.4 | 108.5 | 5 | Cerebrovascular diseases | 8,115 | 4.8 | 40.2 |
| 6 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 2,217 | 3.3 | 80.6 | 6 | Diabetes mellitus | 6,976 | 4.1 | 34.6 |
| 7 | Septicemia | 1,591 | 2.4 | 57.9 | 7 | Chronic lower respiratory diseases .. (J40–J47) | 5,519 | 3.3 | 27.3 |
| 8 | Accidents (unintentional injuries) | 1,565 | 2.3 | 56.9 | 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 4,348 | 2.6 | 21.5 |
| 9 | Essential hypertension and hypertensive renal disease | 1,292 | 1.9 | 47.0 | 9 | Septicemia | 3,074 | 1.8 | 15.2 |
| 10 | Influenza and pneumonia | 1,127 | 1.7 | 41.0 | 10 | Essential hypertension and hypertensive renal disease | 2,805 | 1.7 | 13.9 |
| ... | All other causes | 12,617 | 18.7 | 458.9 | ... | All other causes | 41,669 | 24.7 | 206.5 |
| Non-Hispanic black, both sexes, 75–84 years | | | | | Non-Hispanic black, male, 1–4 years | | | | |
| ... | All causes | 63,074 | 100.0 | 5,123.4 | ... | All causes | 575 | 100.0 | 46.2 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 16,067 | 25.5 | 1,305.1 | 1 | Accidents (unintentional injuries) | 167 | 29.0 | 13.4 |
| 2 | Malignant neoplasms | 14,407 | 22.8 | 1,170.3 | 2 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 73 | 12.7 | 5.9 |
| 3 | Cerebrovascular diseases | 4,500 | 7.1 | 365.5 | 3 | Congenital malformations, deformations and chromosomal abnormalities | 54 | 9.4 | 4.3 |
| 4 | Diabetes mellitus | 2,974 | 4.7 | 241.6 | 4 | Malignant neoplasms | 32 | 5.6 | 2.6 |
| 5 | Chronic lower respiratory diseases .. (J40–J47) | 2,815 | 4.5 | 228.7 | 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 22 | 3.8 | 1.8 |
| 6 | Alzheimer's disease | 2,702 | 4.3 | 219.5 | 6 | Influenza and pneumonia | 18 | 3.1 | * |
| 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 2,313 | 3.7 | 187.9 | 7 | Certain conditions originating in the perinatal period | 17 | 3.0 | * |
| 8 | Septicemia | 1,531 | 2.4 | 124.4 | 8 | Chronic lower respiratory diseases .. (J40–J47) | 14 | 2.4 | * |
| 9 | Essential hypertension and hypertensive renal disease | 1,331 | 2.1 | 108.1 | 9 | Cerebrovascular diseases | 7 | 1.2 | * |
| 10 | Influenza and pneumonia | 1,240 | 2.0 | 100.7 | 9 | Acute bronchitis and bronchiolitis ... (J20–J21) | 7 | 1.2 | * |
| ... | All other causes | 13,194 | 20.9 | 1,071.7 | ... | All other causes | 164 | 28.5 | 13.2 |
| Non-Hispanic black, both sexes, 85 years and over | | | | | Non-Hispanic black, male, 5–9 years | | | | |
| ... | All causes | 58,116 | 100.0 | 12,171.0 | ... | All causes | 333 | 100.0 | 21.0 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 15,944 | 27.4 | 3,339.1 | 1 | Accidents (unintentional injuries) | 129 | 38.7 | 8.1 |
| 2 | Malignant neoplasms | 7,599 | 13.1 | 1,591.4 | 2 | Malignant neoplasms | 37 | 11.1 | 2.3 |
| 3 | Alzheimer's disease | 5,070 | 8.7 | 1,061.8 | 3 | Chronic lower respiratory diseases .. (J40–J47) | 31 | 9.3 | 2.0 |
| 4 | Cerebrovascular diseases | 4,648 | 8.0 | 973.4 | 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 29 | 8.7 | 1.8 |
| 5 | Diabetes mellitus | 2,003 | 3.4 | 419.5 | 5 | Congenital malformations, deformations and chromosomal abnormalities | 17 | 5.1 | * |
| 6 | Chronic lower respiratory diseases .. (J40–J47) | 1,872 | 3.2 | 392.0 | 6 | Influenza and pneumonia | 7 | 2.1 | * |
| 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 1,837 | 3.2 | 384.7 | 7 | Anemias | 5 | 1.5 | * |
| 8 | Essential hypertension and hypertensive renal disease | 1,480 | 2.5 | 309.9 | 7 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 5 | 1.5 | * |
| 9 | Influenza and pneumonia | 1,340 | 2.3 | 280.6 | 7 | Cerebrovascular diseases | 5 | 1.5 | * |
| 10 | Septicemia | 1,114 | 1.9 | 233.3 | 10 | Intentional self-harm (suicide) | 4 | 1.2 | * |
| ... | All other causes | 15,209 | 26.2 | 3,185.2 | ... | All other causes | 64 | 19.2 | 4.0 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---------------------------------------|---|-----------------------|-------------------------------|------------------------------|---------------------------------------|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic black, male, 10–14 years | | | | | Non-Hispanic black, male, 25–34 years | | | | |
| ... | All causes | 368 | 100.0 | 23.8 | ... | All causes | 8,106 | 100.0 | 263.1 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 104 | 28.3 | 6.7 | 1 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 2,762 | 34.1 | 89.7 |
| 2 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 42 | 11.4 | 2.7 | 2 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 2,047 | 25.3 | 66.4 |
| 3 | Malignant neoplasms | 29 | 7.9 | 1.9 | 3 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 633 | 7.8 | 20.5 |
| 4 | Chronic lower respiratory diseases . . (J40–J47) | 27 | 7.3 | 1.7 | 4 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 603 | 7.4 | 19.6 |
| 5 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 25 | 6.8 | 1.6 | 5 | Malignant neoplasms | 274 | 3.4 | 8.9 |
| 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 18 | 4.9 | * | 6 | Human immunodeficiency virus (HIV) disease (B20–B24) | 243 | 3.0 | 7.9 |
| 7 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 16 | 4.3 | * | 7 | Diabetes mellitus (E10–E14) | 138 | 1.7 | 4.5 |
| 8 | Cerebrovascular diseases (I60–I69) | 7 | 1.9 | * | 8 | Cerebrovascular diseases (I60–I69) | 84 | 1.0 | 2.7 |
| 8 | Influenza and pneumonia (J09–J18) | 7 | 1.9 | * | 9 | Chronic lower respiratory diseases . . (J40–J47) | 82 | 1.0 | 2.7 |
| 10 | Diabetes mellitus (E10–E14) | 5 | 1.4 | * | 10 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 62 | 0.8 | 2.0 |
| ... | All other causes (residual) | 88 | 23.9 | 5.7 | ... | All other causes (residual) | 1,178 | 14.5 | 38.2 |
| Non-Hispanic black, male, 15–19 years | | | | | Non-Hispanic black, male, 35–44 years | | | | |
| ... | All causes | 1,952 | 100.0 | 119.7 | ... | All causes | 9,316 | 100.0 | 372.2 |
| 1 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 991 | 50.8 | 60.8 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1,848 | 19.8 | 73.8 |
| 2 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 441 | 22.6 | 27.0 | 2 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 1,839 | 19.7 | 73.5 |
| 3 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 145 | 7.4 | 8.9 | 3 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 1,445 | 15.5 | 57.7 |
| 4 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 58 | 3.0 | 3.6 | 4 | Malignant neoplasms | 709 | 7.6 | 28.3 |
| 5 | Malignant neoplasms | 49 | 2.5 | 3.0 | 5 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 352 | 3.8 | 14.1 |
| 6 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 27 | 1.4 | 1.7 | 6 | Diabetes mellitus (E10–E14) | 322 | 3.5 | 12.9 |
| 7 | Chronic lower respiratory diseases . . (J40–J47) | 22 | 1.1 | 1.3 | 7 | Human immunodeficiency virus (HIV) disease (B20–B24) | 307 | 3.3 | 12.3 |
| 8 | Anemias (D50–D64) | 15 | 0.8 | * | 8 | Cerebrovascular diseases (I60–I69) | 281 | 3.0 | 11.2 |
| 9 | Legal intervention (Y35,Y89.0) | 14 | 0.7 | * | 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 157 | 1.7 | 6.3 |
| 10 | Septicemia (A40–A41) | 7 | 0.4 | * | 10 | Septicemia (A40–A41) | 120 | 1.3 | 4.8 |
| 10 | Cerebrovascular diseases (I60–I69) | 7 | 0.4 | * | ... | All other causes (residual) | 1,936 | 20.8 | 77.4 |
| ... | All other causes (residual) | 176 | 9.0 | 10.8 | ... | All other causes (residual) | 1,936 | 20.8 | 77.4 |
| Non-Hispanic black, male, 20–24 years | | | | | Non-Hispanic black, male, 45–54 years | | | | |
| ... | All causes | 3,957 | 100.0 | 223.1 | ... | All causes | 18,033 | 100.0 | 715.6 |
| 1 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 1,964 | 49.6 | 110.8 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 4,886 | 27.1 | 193.9 |
| 2 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 898 | 22.7 | 50.6 | 2 | Malignant neoplasms | 3,001 | 16.6 | 119.1 |
| 3 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 379 | 9.6 | 21.4 | 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 2,205 | 12.2 | 87.5 |
| 4 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 136 | 3.4 | 7.7 | 4 | Diabetes mellitus (E10–E14) | 874 | 4.8 | 34.7 |
| 5 | Malignant neoplasms | 88 | 2.2 | 5.0 | 5 | Cerebrovascular diseases (I60–I69) | 781 | 4.3 | 31.0 |
| 6 | Diabetes mellitus (E10–E14) | 28 | 0.7 | 1.6 | 6 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 659 | 3.7 | 26.1 |
| 7 | Human immunodeficiency virus (HIV) disease (B20–B24) | 27 | 0.7 | 1.5 | 7 | Human immunodeficiency virus (HIV) disease (B20–B24) | 536 | 3.0 | 21.3 |
| 8 | Chronic lower respiratory diseases . . (J40–J47) | 26 | 0.7 | 1.5 | 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 406 | 2.3 | 16.1 |
| 9 | Anemias (D50–D64) | 20 | 0.5 | 1.1 | 9 | Chronic liver disease and cirrhosis (K70,K73–K74) | 387 | 2.1 | 15.4 |
| 10 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 19 | 0.5 | * | 10 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 322 | 1.8 | 12.8 |
| ... | All other causes (residual) | 372 | 9.4 | 21.0 | ... | All other causes (residual) | 3,976 | 22.0 | 157.8 |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|--|-----------------------|-------------------------------|------------------------------|---|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic black, male, 55–64 years | | | | | Non-Hispanic black, male, 75–84 years | | | | |
| ... | All causes | 36,501 | 100.0 | 1,667.8 | ... | All causes | 29,653 | 100.0 | 6,277.6 |
| 1 | Malignant neoplasms (C00–C97) | 9,759 | 26.7 | 445.9 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 7,673 | 25.9 | 1,624.4 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 9,738 | 26.7 | 444.9 | 2 | Malignant neoplasms (C00–C97) | 7,208 | 24.3 | 1,526.0 |
| 3 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 2,352 | 6.4 | 107.5 | 3 | Cerebrovascular diseases (I60–I69) | 1,950 | 6.6 | 412.8 |
| 4 | Diabetes mellitus (E10–E14) | 1,694 | 4.6 | 77.4 | 4 | Chronic lower respiratory diseases (J40–J47) | 1,443 | 4.9 | 305.5 |
| 5 | Cerebrovascular diseases (I60–I69) | 1,675 | 4.6 | 76.5 | 5 | Diabetes mellitus (E10–E14) | 1,352 | 4.6 | 286.2 |
| 6 | Chronic lower respiratory diseases (J40–J47) | 1,043 | 2.9 | 47.7 | 6 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 1,005 | 3.4 | 212.8 |
| 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 914 | 2.5 | 41.8 | 7 | Alzheimer's disease (G30) | 964 | 3.3 | 204.1 |
| 8 | Chronic liver disease and cirrhosis (K70,K73–K74) | 889 | 2.4 | 40.6 | 8 | Septicemia (A40–A41) | 680 | 2.3 | 144.0 |
| 9 | Septicemia (A40–A41) | 682 | 1.9 | 31.2 | 9 | Influenza and pneumonia (J09–J18) | 611 | 2.1 | 129.4 |
| 10 | Human immunodeficiency virus (HIV) disease (B20–B24) | 651 | 1.8 | 29.7 | 10 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 596 | 2.0 | 126.2 |
| ... | All other causes (residual) | 7,104 | 19.5 | 324.6 | ... | All other causes (residual) | 6,171 | 20.8 | 1,306.4 |
| Non-Hispanic black, male, 65 years and over | | | | | Non-Hispanic black, male, 85 years and over | | | | |
| ... | All causes | 85,855 | 100.0 | 4,780.1 | ... | All causes | 18,901 | 100.0 | 13,320.0 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 22,654 | 26.4 | 1,261.3 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 5,160 | 27.3 | 3,636.4 |
| 2 | Malignant neoplasms (C00–C97) | 21,227 | 24.7 | 1,181.8 | 2 | Malignant neoplasms (C00–C97) | 3,338 | 17.7 | 2,352.4 |
| 3 | Cerebrovascular diseases (I60–I69) | 5,236 | 6.1 | 291.5 | 3 | Cerebrovascular diseases (I60–I69) | 1,229 | 6.5 | 866.1 |
| 4 | Chronic lower respiratory diseases (J40–J47) | 3,916 | 4.6 | 218.0 | 4 | Alzheimer's disease (G30) | 1,129 | 6.0 | 795.6 |
| 5 | Diabetes mellitus (E10–E14) | 3,908 | 4.6 | 217.6 | 5 | Chronic lower respiratory diseases (J40–J47) | 824 | 4.4 | 580.7 |
| 6 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 2,789 | 3.2 | 155.3 | 6 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 647 | 3.4 | 456.0 |
| 7 | Alzheimer's disease (G30) | 2,396 | 2.8 | 133.4 | 7 | Diabetes mellitus (E10–E14) | 640 | 3.4 | 451.0 |
| 8 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 2,040 | 2.4 | 113.6 | 8 | Influenza and pneumonia (J09–J18) | 515 | 2.7 | 362.9 |
| 9 | Septicemia (A40–A41) | 1,859 | 2.2 | 103.5 | 9 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 434 | 2.3 | 305.9 |
| 10 | Influenza and pneumonia (J09–J18) | 1,748 | 2.0 | 97.3 | 10 | Septicemia (A40–A41) | 370 | 2.0 | 260.7 |
| ... | All other causes (residual) | 18,082 | 21.1 | 1,006.7 | ... | All other causes (residual) | 4,615 | 24.4 | 3,252.3 |
| Non-Hispanic black, male, 65–74 years | | | | | Non-Hispanic black, female, all ages ⁴ | | | | |
| ... | All causes | 37,301 | 100.0 | 3,156.2 | ... | All causes | 158,060 | 100.0 | 719.7 |
| 1 | Malignant neoplasms (C00–C97) | 10,681 | 28.6 | 903.8 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 36,564 | 23.1 | 166.5 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 9,821 | 26.3 | 831.0 | 2 | Malignant neoplasms (C00–C97) | 34,510 | 21.8 | 157.1 |
| 3 | Cerebrovascular diseases (I60–I69) | 2,057 | 5.5 | 174.1 | 3 | Cerebrovascular diseases (I60–I69) | 10,074 | 6.4 | 45.9 |
| 4 | Diabetes mellitus (E10–E14) | 1,916 | 5.1 | 162.1 | 4 | Diabetes mellitus (E10–E14) | 7,077 | 4.5 | 32.2 |
| 5 | Chronic lower respiratory diseases (J40–J47) | 1,649 | 4.4 | 139.5 | 5 | Alzheimer's disease (G30) | 6,126 | 3.9 | 27.9 |
| 6 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 1,137 | 3.0 | 96.2 | 6 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 5,636 | 3.6 | 25.7 |
| 7 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 1,102 | 3.0 | 93.2 | 7 | Chronic lower respiratory diseases (J40–J47) | 5,319 | 3.4 | 24.2 |
| 8 | Septicemia (A40–A41) | 809 | 2.2 | 68.5 | 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 4,852 | 3.1 | 22.1 |
| 9 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 694 | 1.9 | 58.7 | 9 | Septicemia (A40–A41) | 3,610 | 2.3 | 16.4 |
| 10 | Influenza and pneumonia (J09–J18) | 622 | 1.7 | 52.6 | 10 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 3,119 | 2.0 | 14.2 |
| ... | All other causes (residual) | 6,813 | 18.3 | 576.5 | ... | All other causes (residual) | 41,173 | 26.0 | 187.5 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---------------------------------------|--|-----------------------|-------------------------------|------------------------------|---|---|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic black, female, 1–4 years | | | | | Non-Hispanic black, female, 10–14 years | | | | |
| ... | All causes | 441 | 100.0 | 36.6 | ... | All causes | 255 | 100.0 | 16.9 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 110 | 24.9 | 9.1 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 64 | 25.1 | 4.3 |
| 2 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 68 | 15.4 | 5.7 | 2 | Malignant neoplasms(C00–C97) | 36 | 14.1 | 2.4 |
| 3 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 57 | 12.9 | 4.7 | 3 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 22 | 8.6 | 1.5 |
| 4 | Malignant neoplasms(C00–C97) | 26 | 5.9 | 2.2 | 4 | Chronic lower respiratory diseases . . (J40–J47) | 18 | 7.1 | * |
| 5 | Influenza and pneumonia (J09–J18) | 16 | 3.6 | * | 5 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 15 | 5.9 | * |
| 6 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 12 | 2.7 | * | 6 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 13 | 5.1 | * |
| 7 | Certain conditions originating in the perinatal period(P00–P96) | 9 | 2.0 | * | 7 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 8 | 3.1 | * |
| 8 | Septicemia(A40–A41) | 8 | 1.8 | * | 8 | Cerebrovascular diseases (I60–I69) | 6 | 2.4 | * |
| 8 | Anemias (D50–D64) | 8 | 1.8 | * | 9 | Influenza and pneumonia (J09–J18) | 5 | 2.0 | * |
| 8 | Cerebrovascular diseases (I60–I69) | 8 | 1.8 | * | 10 | Diabetes mellitus (E10–E14) | 3 | 1.2 | * |
| ... | All other causes (residual) | 119 | 27.0 | 9.9 | 10 | Complications of medical and surgical care.....(Y40–Y84,Y88) | 3 | 1.2 | * |
| Non-Hispanic black, female, 5–9 years | | | | | ... | All other causes (residual) | 62 | 24.3 | 4.1 |
| ... | All causes | 277 | 100.0 | 18.0 | Non-Hispanic black, female, 15–19 years | | | | |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 91 | 32.9 | 5.9 | ... | All causes | 618 | 100.0 | 39.1 |
| 2 | Malignant neoplasms(C00–C97) | 42 | 15.2 | 2.7 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 178 | 28.8 | 11.3 |
| 3 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 25 | 9.0 | 1.6 | 2 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 131 | 21.2 | 8.3 |
| 4 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 21 | 7.6 | 1.4 | 3 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 52 | 8.4 | 3.3 |
| 5 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 15 | 5.4 | * | 4 | Malignant neoplasms(C00–C97) | 41 | 6.6 | 2.6 |
| 6 | Chronic lower respiratory diseases . . (J40–J47) | 12 | 4.3 | * | 5 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 30 | 4.9 | 1.9 |
| 7 | Septicemia(A40–A41) | 8 | 2.9 | * | 6 | Chronic lower respiratory diseases . . (J40–J47) | 18 | 2.9 | * |
| 8 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48) | 2 | 0.7 | * | 7 | Anemias (D50–D64) | 13 | 2.1 | * |
| 8 | Anemias (D50–D64) | 2 | 0.7 | * | 8 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 12 | 1.9 | * |
| 8 | Meningitis.....(G00,G03) | 2 | 0.7 | * | 9 | Influenza and pneumonia (J09–J18) | 7 | 1.1 | * |
| 8 | Cerebrovascular diseases (I60–I69) | 2 | 0.7 | * | 10 | Septicemia(A40–A41) | 6 | 1.0 | * |
| 8 | Influenza and pneumonia (J09–J18) | 2 | 0.7 | * | 10 | Cerebrovascular diseases (I60–I69) | 6 | 1.0 | * |
| 8 | Pneumonitis due to solids and liquids . . . (J69) | 2 | 0.7 | * | 10 | Pregnancy, childbirth and the puerperium (O00–O99) | 6 | 1.0 | * |
| 8 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27) | 2 | 0.7 | * | ... | All other causes (residual) | 118 | 19.1 | 7.5 |
| 8 | Certain conditions originating in the perinatal period(P00–P96) | 2 | 0.7 | * | Non-Hispanic black, female, 20–24 years | | | | |
| 8 | Complications of medical and surgical care.....(Y40–Y84,Y88) | 2 | 0.7 | * | ... | All causes | 1,176 | 100.0 | 68.6 |
| ... | All other causes (residual) | 45 | 16.2 | 2.9 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 352 | 29.9 | 20.5 |
| | | | | | 2 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 195 | 16.6 | 11.4 |
| | | | | | 3 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 80 | 6.8 | 4.7 |
| | | | | | 4 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 76 | 6.5 | 4.4 |
| | | | | | 5 | Pregnancy, childbirth and the puerperium (O00–O99) | 61 | 5.2 | 3.6 |
| | | | | | 6 | Malignant neoplasms(C00–C97) | 52 | 4.4 | 3.0 |
| | | | | | 7 | Diabetes mellitus (E10–E14) | 26 | 2.2 | 1.5 |
| | | | | | 8 | Human immunodeficiency virus (HIV) disease(B20–B24) | 22 | 1.9 | 1.3 |
| | | | | | 9 | Influenza and pneumonia (J09–J18) | 19 | 1.6 | * |
| | | | | | 10 | Septicemia(A40–A41) | 16 | 1.4 | * |
| | | | | | ... | All other causes (residual) | 277 | 23.6 | 16.2 |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|--|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic black, female, 25–34 years | | | | | Non-Hispanic black, female, 55–64 years | | | | |
| ... | All causes | 3,406 | 100.0 | 106.2 | ... | All causes | 26,320 | 100.0 | 1,011.3 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 704 | 20.7 | 22.0 | 1 | Malignant neoplasms (C00–C97) | 8,451 | 32.1 | 324.7 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 384 | 11.3 | 12.0 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 5,796 | 22.0 | 222.7 |
| 3 | Malignant neoplasms (C00–C97) | 366 | 10.7 | 11.4 | 3 | Diabetes mellitus (E10–E14) | 1,367 | 5.2 | 52.5 |
| 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 339 | 10.0 | 10.6 | 4 | Cerebrovascular diseases (I60–I69) | 1,281 | 4.9 | 49.2 |
| 5 | Pregnancy, childbirth and the puerperium (O00–O99) | 154 | 4.5 | 4.8 | 5 | Chronic lower respiratory diseases .. (J40–J47) | 1,036 | 3.9 | 39.8 |
| 6 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 126 | 3.7 | 3.9 | 6 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 877 | 3.3 | 33.7 |
| 7 | Diabetes mellitus (E10–E14) | 111 | 3.3 | 3.5 | 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 744 | 2.8 | 28.6 |
| 8 | Human immunodeficiency virus (HIV) disease (B20–B24) | 95 | 2.8 | 3.0 | 8 | Septicemia (A40–A41) | 696 | 2.6 | 26.7 |
| 9 | Anemias (D50–D64) | 77 | 2.3 | 2.4 | 9 | Chronic liver disease and cirrhosis (K70,K73–K74) | 442 | 1.7 | 17.0 |
| 10 | Influenza and pneumonia (J09–J18) | 58 | 1.7 | 1.8 | 10 | Influenza and pneumonia (J09–J18) | 391 | 1.5 | 15.0 |
| ... | All other causes (residual) | 992 | 29.1 | 30.9 | ... | All other causes (residual) | 5,239 | 19.9 | 201.3 |
| Non-Hispanic black, female, 35–44 years | | | | | Non-Hispanic black, female, 65 years and over | | | | |
| ... | All causes | 5,879 | 100.0 | 210.1 | ... | All causes | 102,963 | 100.0 | 3,867.6 |
| 1 | Malignant neoplasms (C00–C97) | 1,165 | 19.8 | 41.6 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 26,367 | 25.6 | 990.4 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1,016 | 17.3 | 36.3 | 2 | Malignant neoplasms (C00–C97) | 20,505 | 19.9 | 770.2 |
| 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 730 | 12.4 | 26.1 | 3 | Cerebrovascular diseases (I60–I69) | 7,803 | 7.6 | 293.1 |
| 4 | Diabetes mellitus (E10–E14) | 259 | 4.4 | 9.3 | 4 | Alzheimer's disease (G30) | 6,066 | 5.9 | 227.9 |
| 5 | Human immunodeficiency virus (HIV) disease (B20–B24) | 234 | 4.0 | 8.4 | 5 | Diabetes mellitus (E10–E14) | 4,678 | 4.5 | 175.7 |
| 6 | Cerebrovascular diseases (I60–I69) | 221 | 3.8 | 7.9 | 6 | Chronic lower respiratory diseases .. (J40–J47) | 3,754 | 3.6 | 141.0 |
| 7 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 198 | 3.4 | 7.1 | 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 3,578 | 3.5 | 134.4 |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 143 | 2.4 | 5.1 | 8 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 2,398 | 2.3 | 90.1 |
| 9 | Septicemia (A40–A41) | 123 | 2.1 | 4.4 | 9 | Septicemia (A40–A41) | 2,377 | 2.3 | 89.3 |
| 10 | Pregnancy, childbirth and the puerperium (O00–O99) | 108 | 1.8 | 3.9 | 10 | Influenza and pneumonia (J09–J18) | 1,959 | 1.9 | 73.6 |
| ... | All other causes (residual) | 1,682 | 28.6 | 60.1 | ... | All other causes (residual) | 23,478 | 22.8 | 881.9 |
| Non-Hispanic black, female, 45–54 years | | | | | Non-Hispanic black, female, 65–74 years | | | | |
| ... | All causes | 13,605 | 100.0 | 476.5 | ... | All causes | 30,327 | 100.0 | 1,934.3 |
| 1 | Malignant neoplasms (C00–C97) | 3,822 | 28.1 | 133.9 | 1 | Malignant neoplasms (C00–C97) | 9,045 | 29.8 | 576.9 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 2,811 | 20.7 | 98.5 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 7,189 | 23.7 | 458.5 |
| 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 960 | 7.1 | 33.6 | 3 | Cerebrovascular diseases (I60–I69) | 1,834 | 6.0 | 117.0 |
| 4 | Cerebrovascular diseases (I60–I69) | 666 | 4.9 | 23.3 | 4 | Diabetes mellitus (E10–E14) | 1,693 | 5.6 | 108.0 |
| 5 | Diabetes mellitus (E10–E14) | 627 | 4.6 | 22.0 | 5 | Chronic lower respiratory diseases .. (J40–J47) | 1,334 | 4.4 | 85.1 |
| 6 | Human immunodeficiency virus (HIV) disease (B20–B24) | 331 | 2.4 | 11.6 | 6 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 1,080 | 3.6 | 68.9 |
| 7 | Chronic lower respiratory diseases .. (J40–J47) | 328 | 2.4 | 11.5 | 7 | Septicemia (A40–A41) | 782 | 2.6 | 49.9 |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 315 | 2.3 | 11.0 | 8 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 598 | 2.0 | 38.1 |
| 9 | Septicemia (A40–A41) | 300 | 2.2 | 10.5 | 9 | Influenza and pneumonia (J09–J18) | 505 | 1.7 | 32.2 |
| 10 | Chronic liver disease and cirrhosis (K70,K73–K74) | 256 | 1.9 | 9.0 | 10 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 463 | 1.5 | 29.5 |
| ... | All other causes (residual) | 3,189 | 23.4 | 111.7 | ... | All other causes (residual) | 5,804 | 19.1 | 370.2 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|--|-----------------------|-------------------------------|------------------------------|---|---|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic black, female, 75–84 years | | | | | Non-Hispanic American Indian or Alaska Native, both sexes, 1–4 years | | | | |
| ... | All causes | 33,421 | 100.0 | 4,404.8 | ... | All causes | 82 | 100.0 | 51.3 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 8,394 | 25.1 | 1,106.3 | ... | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 27 | 32.9 | 16.9 |
| 2 | Malignant neoplasms (C00–C97) | 7,199 | 21.5 | 948.8 | 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 10 | 12.2 | * |
| 3 | Cerebrovascular diseases (I60–I69) | 2,550 | 7.6 | 336.1 | 2 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 8 | 9.8 | * |
| 4 | Alzheimer's disease (G30) | 1,738 | 5.2 | 229.1 | 4 | Malignant neoplasms (C00–C97) | 3 | 3.7 | * |
| 5 | Diabetes mellitus (E10–E14) | 1,622 | 4.9 | 213.8 | 4 | Influenza and pneumonia (J09–J18) | 3 | 3.7 | * |
| 6 | Chronic lower respiratory diseases . . (J40–J47) | 1,372 | 4.1 | 180.8 | 6 | Meningococcal infection (A39) | 2 | 2.4 | * |
| 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 1,308 | 3.9 | 172.4 | 6 | Septicemia (A40–A41) | 2 | 2.4 | * |
| 8 | Septicemia (A40–A41) | 851 | 2.5 | 112.2 | 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 2 | 2.4 | * |
| 9 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 754 | 2.3 | 99.4 | 9 | Diabetes mellitus (E10–E14) | 1 | 1.2 | * |
| 10 | Influenza and pneumonia (J09–J18) | 629 | 1.9 | 82.9 | 9 | Cerebrovascular diseases (I60–I69) | 1 | 1.2 | * |
| ... | All other causes (residual) | 7,004 | 21.0 | 923.1 | 9 | Certain conditions originating in the perinatal period (P00–P96) | 1 | 1.2 | * |
| Non-Hispanic black, female, 85 years and over | | | | | All other causes (residual) | | | | |
| ... | All causes | 39,215 | 100.0 | 11,685.1 | 22 | 26.8 | 13.8 | | |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 10,784 | 27.5 | 3,213.4 | Non-Hispanic American Indian or Alaska Native, both sexes, 5–9 years | | | | |
| 2 | Malignant neoplasms (C00–C97) | 4,261 | 10.9 | 1,269.7 | ... | All causes | 42 | 100.0 | 20.4 |
| 3 | Alzheimer's disease (G30) | 3,941 | 10.0 | 1,174.3 | 1 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 17 | 40.5 | * |
| 4 | Cerebrovascular diseases (I60–I69) | 3,419 | 8.7 | 1,018.8 | 2 | Malignant neoplasms (C00–C97) | 2 | 4.8 | * |
| 5 | Diabetes mellitus (E10–E14) | 1,363 | 3.5 | 406.1 | 2 | Meningitis (G00,G03) | 2 | 4.8 | * |
| 6 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 1,190 | 3.0 | 354.6 | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 2 | 4.8 | * |
| 7 | Chronic lower respiratory diseases . . (J40–J47) | 1,048 | 2.7 | 312.3 | 2 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 2 | 4.8 | * |
| 8 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 1,046 | 2.7 | 311.7 | 6 | Meningococcal infection (A39) | 1 | 2.4 | * |
| 9 | Influenza and pneumonia (J09–J18) | 825 | 2.1 | 245.8 | 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1 | 2.4 | * |
| 10 | Septicemia (A40–A41) | 744 | 1.9 | 221.7 | 6 | Chronic lower respiratory diseases . . (J40–J47) | 1 | 2.4 | * |
| ... | All other causes (residual) | 10,594 | 27.0 | 3,156.8 | 6 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 1 | 2.4 | * |
| Non-Hispanic American Indian or Alaska Native, both sexes, all ages ⁴ | | | | | Complications of medical and surgical care (Y40–Y84,Y88) | | | | |
| ... | All causes | 18,595 | 100.0 | 685.9 | ... | All other causes (residual) | 12 | 28.6 | * |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 3,332 | 17.9 | 122.9 | Non-Hispanic American Indian or Alaska Native, both sexes, 10–14 years | | | | |
| 2 | Malignant neoplasms (C00–C97) | 3,225 | 17.3 | 119.0 | ... | All causes | 50 | 100.0 | 24.4 |
| 3 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 2,100 | 11.3 | 77.5 | 1 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 14 | 28.0 | * |
| 4 | Diabetes mellitus (E10–E14) | 1,078 | 5.8 | 39.8 | 2 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 13 | 26.0 | * |
| 5 | Chronic liver disease and cirrhosis (K70,K73–K74) | 1,010 | 5.4 | 37.3 | 3 | Malignant neoplasms (C00–C97) | 6 | 12.0 | * |
| 6 | Chronic lower respiratory diseases . . (J40–J47) | 853 | 4.6 | 31.5 | 4 | Septicemia (A40–A41) | 2 | 4.0 | * |
| 7 | Cerebrovascular diseases (I60–I69) | 632 | 3.4 | 23.3 | 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 2 | 4.0 | * |
| 8 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 580 | 3.1 | 21.4 | 6 | Diabetes mellitus (E10–E14) | 1 | 2.0 | * |
| 9 | Alzheimer's disease (G30) | 377 | 2.0 | 13.9 | 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1 | 2.0 | * |
| 10 | Influenza and pneumonia (J09–J18) | 360 | 1.9 | 13.3 | 6 | Cerebrovascular diseases (I60–I69) | 1 | 2.0 | * |
| ... | All other causes (residual) | 5,048 | 27.1 | 186.2 | 6 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 1 | 2.0 | * |
| | | | | | ... | All other causes (residual) | 9 | 18.0 | * |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|---|-----------------------|-------------------------------|------------------------------|---|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic American Indian or Alaska Native, both sexes, 15-19 years | | | | | Non-Hispanic American Indian or Alaska Native, both sexes, 25-34 years | | | | |
| ... | All causes | 187 | 100.0 | 88.8 | ... | All causes | 1,103 | 100.0 | 275.2 |
| 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 81 | 43.3 | 38.5 | 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 400 | 36.3 | 99.8 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 55 | 29.4 | 26.1 | 2 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 170 | 15.4 | 42.4 |
| 3 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 16 | 8.6 | * | 3 | Chronic liver disease and cirrhosis..... (K70,K73-K74) | 99 | 9.0 | 24.7 |
| 4 | Malignant neoplasms..... (C00-C97) | 4 | 2.1 | * | 4 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 79 | 7.2 | 19.7 |
| 5 | Diseases of heart.... (I00-I09,I11,I13,I20-I51) | 3 | 1.6 | * | 5 | Diseases of heart.... (I00-I09,I11,I13,I20-I51) | 61 | 5.5 | 15.2 |
| 6 | Influenza and pneumonia..... (J09-J18) | 2 | 1.1 | * | 6 | Malignant neoplasms..... (C00-C97) | 31 | 2.8 | 7.7 |
| 6 | Pregnancy, childbirth and the puerperium..... (O00-O99) | 2 | 1.1 | * | 7 | Diabetes mellitus..... (E10-E14) | 25 | 2.3 | 6.2 |
| 8 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00-D48) | 1 | 0.5 | * | 8 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99) | 12 | 1.1 | * |
| 8 | Diabetes mellitus..... (E10-E14) | 1 | 0.5 | * | 9 | Cerebrovascular diseases..... (I60-I69) | 10 | 0.9 | * |
| 8 | Chronic lower respiratory diseases.. (J40-J47) | 1 | 0.5 | * | 9 | Legal intervention..... (Y35,Y89.0) | 10 | 0.9 | * |
| 8 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99) | 1 | 0.5 | * | ... | All other causes..... (residual) | 206 | 18.7 | 51.4 |
| 8 | Legal intervention..... (Y35,Y89.0) | 1 | 0.5 | * | Non-Hispanic American Indian or Alaska Native, both sexes, 35-44 years | | | | |
| ... | All other causes..... (residual) | 19 | 10.2 | * | ... | All causes | 1,332 | 100.0 | 407.4 |
| Non-Hispanic American Indian or Alaska Native, both sexes, 20-24 years | | | | | 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 363 | 27.3 | 111.0 |
| ... | All causes | 404 | 100.0 | 181.0 | 2 | Chronic liver disease and cirrhosis..... (K70,K73-K74) | 171 | 12.8 | 52.3 |
| 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 189 | 46.8 | 84.7 | 3 | Diseases of heart.... (I00-I09,I11,I13,I20-I51) | 160 | 12.0 | 48.9 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 101 | 25.0 | 45.3 | 4 | Malignant neoplasms..... (C00-C97) | 102 | 7.7 | 31.2 |
| 3 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 40 | 9.9 | 17.9 | 4 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 102 | 7.7 | 31.2 |
| 4 | Malignant neoplasms..... (C00-C97) | 6 | 1.5 | * | 6 | Diabetes mellitus..... (E10-E14) | 68 | 5.1 | 20.8 |
| 4 | Chronic liver disease and cirrhosis..... (K70,K73-K74) | 6 | 1.5 | * | 7 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 56 | 4.2 | 17.1 |
| 6 | Diseases of heart.... (I00-I09,I11,I13,I20-I51) | 4 | 1.0 | * | 8 | Cerebrovascular diseases..... (I60-I69) | 24 | 1.8 | 7.3 |
| 7 | Diabetes mellitus..... (E10-E14) | 3 | 0.7 | * | 9 | Influenza and pneumonia..... (J09-J18) | 20 | 1.5 | 6.1 |
| 7 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99) | 3 | 0.7 | * | 10 | Septicemia..... (A40-A41) | 16 | 1.2 | * |
| 9 | Cerebrovascular diseases..... (I60-I69) | 2 | 0.5 | * | ... | All other causes..... (residual) | 250 | 18.8 | 76.5 |
| 9 | Chronic lower respiratory diseases.. (J40-J47) | 2 | 0.5 | * | Non-Hispanic American Indian or Alaska Native, both sexes, 45-54 years | | | | |
| 9 | Legal intervention..... (Y35,Y89.0) | 2 | 0.5 | * | ... | All causes | 2,292 | 100.0 | 676.3 |
| ... | All other causes..... (residual) | 46 | 11.4 | 20.6 | 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 391 | 17.1 | 115.4 |
| | | | | | 2 | Diseases of heart.... (I00-I09,I11,I13,I20-I51) | 344 | 15.0 | 101.5 |
| | | | | | 3 | Malignant neoplasms..... (C00-C97) | 323 | 14.1 | 95.3 |
| | | | | | 4 | Chronic liver disease and cirrhosis..... (K70,K73-K74) | 287 | 12.5 | 84.7 |
| | | | | | 5 | Diabetes mellitus..... (E10-E14) | 132 | 5.8 | 39.0 |
| | | | | | 6 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 63 | 2.7 | 18.6 |
| | | | | | 7 | Cerebrovascular diseases..... (I60-I69) | 49 | 2.1 | 14.5 |
| | | | | | 8 | Chronic lower respiratory diseases.. (J40-J47) | 45 | 2.0 | 13.3 |
| | | | | | 9 | Influenza and pneumonia..... (J09-J18) | 42 | 1.8 | 12.4 |
| | | | | | 10 | Nephritis, nephrotic syndrome and nephrosis.... (N00-N07,N17-N19,N25-N27) | 38 | 1.7 | 11.2 |
| | | | | | 10 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 38 | 1.7 | 11.2 |
| | | | | | ... | All other causes..... (residual) | 540 | 23.6 | 159.3 |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|--|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic American Indian or Alaska Native, both sexes, 55–64 years | | | | | Non-Hispanic American Indian or Alaska Native, both sexes, 75–84 years | | | | |
| ... | All causes | 3,433 | 100.0 | 1,087.9 | ... | All causes | 3,332 | 100.0 | 4,416.7 |
| 1 | Malignant neoplasms (C00–C97) | 826 | 24.1 | 261.8 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 759 | 22.8 | 1,006.1 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 622 | 18.1 | 197.1 | 2 | Malignant neoplasms (C00–C97) | 704 | 21.1 | 933.2 |
| 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 301 | 8.8 | 95.4 | 3 | Chronic lower respiratory diseases .. (J40–J47) | 242 | 7.3 | 320.8 |
| 4 | Chronic liver disease and cirrhosis (K70,K73–K74) | 265 | 7.7 | 84.0 | 4 | Diabetes mellitus (E10–E14) | 222 | 6.7 | 294.3 |
| 5 | Diabetes mellitus (E10–E14) | 238 | 6.9 | 75.4 | 5 | Cerebrovascular diseases (I60–I69) | 178 | 5.3 | 235.9 |
| 6 | Chronic lower respiratory diseases .. (J40–J47) | 150 | 4.4 | 47.5 | 6 | Alzheimer's disease (G30) | 121 | 3.6 | 160.4 |
| 7 | Cerebrovascular diseases (I60–I69) | 88 | 2.6 | 27.9 | 7 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 96 | 2.9 | 127.3 |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 59 | 1.7 | 18.7 | 8 | Influenza and pneumonia (J09–J18) | 81 | 2.4 | 107.4 |
| 9 | Septicemia (A40–A41) | 55 | 1.6 | 17.4 | 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 70 | 2.1 | 92.8 |
| 9 | Influenza and pneumonia (J09–J18) | 55 | 1.6 | 17.4 | 10 | Chronic liver disease and cirrhosis (K70,K73–K74) | 60 | 1.8 | 79.5 |
| ... | All other causes (residual) | 774 | 22.5 | 245.3 | ... | All other causes (residual) | 799 | 24.0 | 1,059.1 |
| Non-Hispanic American Indian or Alaska Native, both sexes, 65 years and over | | | | | Non-Hispanic American Indian or Alaska Native, both sexes, 85 years and over | | | | |
| ... | All causes | 9,358 | 100.0 | 3,284.9 | ... | All causes | 2,389 | 100.0 | 9,445.3 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 2,131 | 22.8 | 748.0 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 601 | 25.2 | 2,376.2 |
| 2 | Malignant neoplasms (C00–C97) | 1,921 | 20.5 | 674.3 | 2 | Malignant neoplasms (C00–C97) | 280 | 11.7 | 1,107.0 |
| 3 | Chronic lower respiratory diseases .. (J40–J47) | 642 | 6.9 | 225.4 | 3 | Alzheimer's disease (G30) | 205 | 8.6 | 810.5 |
| 4 | Diabetes mellitus (E10–E14) | 609 | 6.5 | 213.8 | 4 | Cerebrovascular diseases (I60–I69) | 160 | 6.7 | 632.6 |
| 5 | Cerebrovascular diseases (I60–I69) | 457 | 4.9 | 160.4 | 5 | Chronic lower respiratory diseases .. (J40–J47) | 125 | 5.2 | 494.2 |
| 6 | Alzheimer's disease (G30) | 366 | 3.9 | 128.5 | 6 | Diabetes mellitus (E10–E14) | 107 | 4.5 | 423.0 |
| 7 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 295 | 3.2 | 103.6 | 7 | Influenza and pneumonia (J09–J18) | 83 | 3.5 | 328.2 |
| 8 | Influenza and pneumonia (J09–J18) | 228 | 2.4 | 80.0 | 8 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 70 | 2.9 | 276.8 |
| 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 226 | 2.4 | 79.3 | 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 64 | 2.7 | 253.0 |
| 10 | Chronic liver disease and cirrhosis (K70,K73–K74) | 182 | 1.9 | 63.9 | 10 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 39 | 1.6 | 154.2 |
| ... | All other causes (residual) | 2,301 | 24.6 | 807.7 | ... | All other causes (residual) | 655 | 27.4 | 2,589.6 |
| Non-Hispanic American Indian or Alaska Native, both sexes, 65–74 years | | | | | Non-Hispanic American Indian or Alaska Native, male, all ages ⁴ | | | | |
| ... | All causes | 3,637 | 100.0 | 1,975.1 | ... | All causes | 10,280 | 100.0 | 772.8 |
| 1 | Malignant neoplasms (C00–C97) | 937 | 25.8 | 508.8 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1,951 | 19.0 | 146.7 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 771 | 21.2 | 418.7 | 2 | Malignant neoplasms (C00–C97) | 1,723 | 16.8 | 129.5 |
| 3 | Diabetes mellitus (E10–E14) | 280 | 7.7 | 152.1 | 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 1,404 | 13.7 | 105.5 |
| 4 | Chronic lower respiratory diseases .. (J40–J47) | 275 | 7.6 | 149.3 | 4 | Diabetes mellitus (E10–E14) | 574 | 5.6 | 43.1 |
| 5 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 129 | 3.5 | 70.1 | 5 | Chronic liver disease and cirrhosis (K70,K73–K74) | 554 | 5.4 | 41.6 |
| 6 | Cerebrovascular diseases (I60–I69) | 119 | 3.3 | 64.6 | 6 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 441 | 4.3 | 33.2 |
| 7 | Chronic liver disease and cirrhosis (K70,K73–K74) | 112 | 3.1 | 60.8 | 7 | Chronic lower respiratory diseases .. (J40–J47) | 430 | 4.2 | 32.3 |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 92 | 2.5 | 50.0 | 8 | Cerebrovascular diseases (I60–I69) | 288 | 2.8 | 21.6 |
| 9 | Septicemia (A40–A41) | 80 | 2.2 | 43.4 | 9 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 209 | 2.0 | 15.7 |
| 10 | Influenza and pneumonia (J09–J18) | 64 | 1.8 | 34.8 | 10 | Influenza and pneumonia (J09–J18) | 176 | 1.7 | 13.2 |
| ... | All other causes (residual) | 778 | 21.4 | 422.5 | ... | All other causes (residual) | 2,530 | 24.6 | 190.2 |

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 Hispanic origin and sex: United States, 2016—Con.

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| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|--|-----------------------|-------------------------------|------------------------------|---|---|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic American Indian or Alaska Native, male, 1-4 years | | | | | Non-Hispanic American Indian or Alaska Native, male, 15-19 years | | | | |
| ... | All causes | 38 | 100.0 | 46.8 | ... | All causes | 131 | 100.0 | 122.7 |
| 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 14 | 36.8 | * | 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 54 | 41.2 | 50.6 |
| 2 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 4 | 10.5 | * | 2 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 40 | 30.5 | 37.5 |
| 3 | Malignant neoplasms..... (C00-C97) | 2 | 5.3 | * | 3 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 12 | 9.2 | * |
| 3 | Influenza and pneumonia..... (J09-J18) | 2 | 5.3 | * | 4 | Malignant neoplasms..... (C00-C97) | 4 | 3.1 | * |
| 3 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99) | 2 | 5.3 | * | 5 | Diseases of heart.... (I00-I09,I11,I13,I20-I51) | 2 | 1.5 | * |
| 6 | Meningococcal infection..... (A39) | 1 | 2.6 | * | 6 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00-D48) | 1 | 0.8 | * |
| 6 | Septicemia..... (A40-A41) | 1 | 2.6 | * | 6 | Influenza and pneumonia..... (J09-J18) | 1 | 0.8 | * |
| 6 | Diseases of heart.... (I00-I09,I11,I13,I20-I51) | 1 | 2.6 | * | 6 | Chronic lower respiratory diseases.. (J40-J47) | 1 | 0.8 | * |
| 6 | Cerebrovascular diseases..... (I60-I69) | 1 | 2.6 | * | 6 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99) | 1 | 0.8 | * |
| ... | All other causes..... (residual) | 10 | 26.3 | * | 6 | Legal intervention..... (Y35,Y89.0) | 1 | 0.8 | * |
| Non-Hispanic American Indian or Alaska Native, male, 5-9 years | | | | | Non-Hispanic American Indian or Alaska Native, male, 20-24 years | | | | |
| ... | All causes | 25 | 100.0 | 24.1 | ... | All causes | 273 | 100.0 | 239.9 |
| 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 13 | 52.0 | * | 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 132 | 48.4 | 116.0 |
| 2 | Malignant neoplasms..... (C00-C97) | 1 | 4.0 | * | 2 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 74 | 27.1 | 65.0 |
| 2 | Meningitis..... (G00,G03) | 1 | 4.0 | * | 3 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 30 | 11.0 | 26.4 |
| 2 | Diseases of heart.... (I00-I09,I11,I13,I20-I51) | 1 | 4.0 | * | 4 | Diseases of heart.... (I00-I09,I11,I13,I20-I51) | 4 | 1.5 | * |
| 2 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99) | 1 | 4.0 | * | 5 | Diabetes mellitus..... (E10-E14) | 3 | 1.1 | * |
| 2 | Complications of medical and surgical care..... (Y40-Y84,Y88) | 1 | 4.0 | * | 5 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99) | 3 | 1.1 | * |
| ... | All other causes..... (residual) | 7 | 28.0 | * | 7 | Malignant neoplasms..... (C00-C97) | 2 | 0.7 | * |
| Non-Hispanic American Indian or Alaska Native, male, 10-14 years | | | | | Non-Hispanic American Indian or Alaska Native, male, 25-29 years | | | | |
| ... | All causes | 24 | 100.0 | 23.2 | ... | All causes | 199 | 100.0 | 100.0 |
| 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 8 | 33.3 | * | 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 77 | 38.7 | 37.9 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 7 | 29.2 | * | 2 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 47 | 23.6 | 23.1 |
| 3 | Malignant neoplasms..... (C00-C97) | 2 | 8.3 | * | 3 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 20 | 10.1 | 10.0 |
| 4 | Diabetes mellitus..... (E10-E14) | 1 | 4.2 | * | 4 | Diseases of heart.... (I00-I09,I11,I13,I20-I51) | 10 | 5.0 | 5.0 |
| 4 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99) | 1 | 4.2 | * | 5 | Diabetes mellitus..... (E10-E14) | 3 | 1.5 | 1.5 |
| ... | All other causes..... (residual) | 5 | 20.8 | * | 5 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99) | 3 | 1.5 | 1.5 |
| Non-Hispanic American Indian or Alaska Native, male, 15-19 years | | | | | Non-Hispanic American Indian or Alaska Native, male, 30-34 years | | | | |
| ... | All causes | 24 | 100.0 | 23.2 | ... | All causes | 199 | 100.0 | 100.0 |
| 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 8 | 33.3 | * | 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 77 | 38.7 | 37.9 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 7 | 29.2 | * | 2 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 47 | 23.6 | 23.1 |
| 3 | Malignant neoplasms..... (C00-C97) | 2 | 8.3 | * | 3 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 20 | 10.1 | 10.0 |
| 4 | Diabetes mellitus..... (E10-E14) | 1 | 4.2 | * | 4 | Diseases of heart.... (I00-I09,I11,I13,I20-I51) | 10 | 5.0 | 5.0 |
| 4 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99) | 1 | 4.2 | * | 5 | Diabetes mellitus..... (E10-E14) | 3 | 1.5 | 1.5 |
| ... | All other causes..... (residual) | 5 | 20.8 | * | 5 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99) | 3 | 1.5 | 1.5 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|---|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic American Indian or Alaska Native, male, 25–34 years | | | | | Non-Hispanic American Indian or Alaska Native, male, 45–54 years | | | | |
| ... | All causes | 729 | 100.0 | 362.2 | ... | All causes | 1,363 | 100.0 | 831.3 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 264 | 36.2 | 131.2 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 268 | 19.7 | 163.5 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 133 | 18.2 | 66.1 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 242 | 17.8 | 147.6 |
| 3 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 64 | 8.8 | 31.8 | 3 | Chronic liver disease and cirrhosis..... (K70,K73–K74) | 156 | 11.4 | 95.1 |
| 4 | Chronic liver disease and cirrhosis..... (K70,K73–K74) | 59 | 8.1 | 29.3 | 4 | Malignant neoplasms..... (C00–C97) | 145 | 10.6 | 88.4 |
| 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 38 | 5.2 | 18.9 | 5 | Diabetes mellitus..... (E10–E14) | 79 | 5.8 | 48.2 |
| 6 | Diabetes mellitus..... (E10–E14) | 17 | 2.3 | * | 6 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 51 | 3.7 | 31.1 |
| 7 | Malignant neoplasms..... (C00–C97) | 13 | 1.8 | * | 7 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 32 | 2.3 | 19.5 |
| 8 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99) | 9 | 1.2 | * | 8 | Influenza and pneumonia..... (J09–J18) | 25 | 1.8 | 15.2 |
| 8 | Legal intervention..... (Y35,Y89.0) | 9 | 1.2 | * | 9 | Cerebrovascular diseases..... (I60–I69) | 23 | 1.7 | 14.0 |
| 10 | Cerebrovascular diseases..... (I60–I69) | 8 | 1.1 | * | 10 | Nephritis, nephrotic syndrome and nephrosis.... (N00–N07,N17–N19,N25–N27) | 21 | 1.5 | 12.8 |
| ... | All other causes..... (residual) | 115 | 15.8 | 57.1 | ... | All other causes..... (residual) | 321 | 23.6 | 195.8 |
| Non-Hispanic American Indian or Alaska Native, male, 35–44 years | | | | | Non-Hispanic American Indian or Alaska Native, male, 55–64 years | | | | |
| ... | All causes | 825 | 100.0 | 514.4 | ... | All causes | 2,065 | 100.0 | 1,398.5 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 241 | 29.2 | 150.3 | 1 | Malignant neoplasms..... (C00–C97) | 475 | 23.0 | 321.7 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 107 | 13.0 | 66.7 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 393 | 19.0 | 266.1 |
| 3 | Chronic liver disease and cirrhosis..... (K70,K73–K74) | 96 | 11.6 | 59.9 | 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 222 | 10.8 | 150.3 |
| 4 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 75 | 9.1 | 46.8 | 4 | Chronic liver disease and cirrhosis..... (K70,K73–K74) | 152 | 7.4 | 102.9 |
| 5 | Malignant neoplasms..... (C00–C97) | 44 | 5.3 | 27.4 | 5 | Diabetes mellitus..... (E10–E14) | 141 | 6.8 | 95.5 |
| 6 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 41 | 5.0 | 25.6 | 6 | Chronic lower respiratory diseases .. (J40–J47) | 76 | 3.7 | 51.5 |
| 7 | Diabetes mellitus..... (E10–E14) | 39 | 4.7 | 24.3 | 7 | Cerebrovascular diseases..... (I60–I69) | 50 | 2.4 | 33.9 |
| 8 | Nephritis, nephrotic syndrome and nephrosis.... (N00–N07,N17–N19,N25–N27) | 10 | 1.2 | * | 8 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 44 | 2.1 | 29.8 |
| 9 | Cerebrovascular diseases..... (I60–I69) | 9 | 1.1 | * | 9 | Influenza and pneumonia..... (J09–J18) | 42 | 2.0 | 28.4 |
| 10 | Essential hypertension and hypertensive renal disease..... (I10,I12,I15) | 8 | 1.0 | * | 10 | Nephritis, nephrotic syndrome and nephrosis.... (N00–N07,N17–N19,N25–N27) | 27 | 1.3 | 18.3 |
| 10 | Influenza and pneumonia..... (J09–J18) | 8 | 1.0 | * | ... | All other causes..... (residual) | 443 | 21.5 | 300.0 |
| ... | All other causes..... (residual) | 147 | 17.8 | 91.7 | Non-Hispanic American Indian or Alaska Native, male, 65 years and over | | | | |
| ... | | | | | ... | All causes | 4,624 | 100.0 | 3,625.4 |
| | | | | | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1,161 | 25.1 | 910.3 |
| | | | | | 2 | Malignant neoplasms..... (C00–C97) | 1,035 | 22.4 | 811.5 |
| | | | | | 3 | Chronic lower respiratory diseases .. (J40–J47) | 327 | 7.1 | 256.4 |
| | | | | | 4 | Diabetes mellitus..... (E10–E14) | 294 | 6.4 | 230.5 |
| | | | | | 5 | Cerebrovascular diseases..... (I60–I69) | 196 | 4.2 | 153.7 |
| | | | | | 6 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 174 | 3.8 | 136.4 |
| | | | | | 7 | Alzheimer's disease..... (G30) | 114 | 2.5 | 89.4 |
| | | | | | 8 | Nephritis, nephrotic syndrome and nephrosis.... (N00–N07,N17–N19,N25–N27) | 105 | 2.3 | 82.3 |
| | | | | | 9 | Influenza and pneumonia..... (J09–J18) | 93 | 2.0 | 72.9 |
| | | | | | 10 | Chronic liver disease and cirrhosis..... (K70,K73–K74) | 89 | 1.9 | 69.8 |
| | | | | | ... | All other causes..... (residual) | 1,036 | 22.4 | 812.3 |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|--|-----------------------|-------------------------------|------------------------------|---|---|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic American Indian or Alaska Native, male, 65–74 years | | | | | Non-Hispanic American Indian or Alaska Native, female, all ages ⁴ | | | | |
| ... | All causes | 2,047 | 100.0 | 2,384.9 | ... | All causes | 8,315 | 100.0 | 602.2 |
| 1 | Malignant neoplasms (C00–C97) | 540 | 26.4 | 629.1 | 1 | Malignant neoplasms (C00–C97) | 1,502 | 18.1 | 108.8 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 484 | 23.6 | 563.9 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1,381 | 16.6 | 100.0 |
| 3 | Diabetes mellitus (E10–E14) | 161 | 7.9 | 187.6 | 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 696 | 8.4 | 50.4 |
| 4 | Chronic lower respiratory diseases .. (J40–J47) | 135 | 6.6 | 157.3 | 4 | Diabetes mellitus (E10–E14) | 504 | 6.1 | 36.5 |
| 5 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 87 | 4.3 | 101.4 | 5 | Chronic liver disease and cirrhosis..... (K70,K73–K74) | 456 | 5.5 | 33.0 |
| 6 | Cerebrovascular diseases (I60–I69) | 65 | 3.2 | 75.7 | 6 | Chronic lower respiratory diseases .. (J40–J47) | 423 | 5.1 | 30.6 |
| 7 | Chronic liver disease and cirrhosis..... (K70,K73–K74) | 60 | 2.9 | 69.9 | 7 | Cerebrovascular diseases (I60–I69) | 344 | 4.1 | 24.9 |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 48 | 2.3 | 55.9 | 8 | Alzheimer's disease (G30) | 256 | 3.1 | 18.5 |
| 9 | Influenza and pneumonia (J09–J18) | 37 | 1.8 | 43.1 | 9 | Influenza and pneumonia (J09–J18) | 184 | 2.2 | 13.3 |
| 10 | Septicemia (A40–A41) | 31 | 1.5 | 36.1 | 10 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 177 | 2.1 | 12.8 |
| ... | All other causes (residual) | 399 | 19.5 | 464.9 | ... | All other causes (residual) | 2,392 | 28.8 | 173.2 |
| Non-Hispanic American Indian or Alaska Native, male, 75–84 years | | | | | Non-Hispanic American Indian or Alaska Native, female, 1–4 years | | | | |
| ... | All causes | 1,627 | 100.0 | 4,984.4 | ... | All causes | 44 | 100.0 | 55.9 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 409 | 25.1 | 1,253.0 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 13 | 29.5 | * |
| 2 | Malignant neoplasms (C00–C97) | 363 | 22.3 | 1,112.1 | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 8 | 18.2 | * |
| 3 | Chronic lower respiratory diseases .. (J40–J47) | 131 | 8.1 | 401.3 | 3 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 4 | 9.1 | * |
| 4 | Diabetes mellitus (E10–E14) | 92 | 5.7 | 281.8 | 4 | Meningococcal infection (A39) | 1 | 2.3 | * |
| 5 | Cerebrovascular diseases (I60–I69) | 77 | 4.7 | 235.9 | 4 | Septicemia (A40–A41) | 1 | 2.3 | * |
| 6 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 59 | 3.6 | 180.7 | 4 | Malignant neoplasms (C00–C97) | 1 | 2.3 | * |
| 7 | Alzheimer's disease (G30) | 42 | 2.6 | 128.7 | 4 | Diabetes mellitus (E10–E14) | 1 | 2.3 | * |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 31 | 1.9 | 95.0 | 4 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1 | 2.3 | * |
| 9 | Influenza and pneumonia (J09–J18) | 29 | 1.8 | 88.8 | 4 | Influenza and pneumonia (J09–J18) | 1 | 2.3 | * |
| 10 | Septicemia (A40–A41) | 28 | 1.7 | 85.8 | 4 | Certain conditions originating in the perinatal period (P00–P96) | 1 | 2.3 | * |
| ... | All other causes (residual) | 338 | 20.8 | 1,035.5 | ... | All other causes (residual) | 12 | 27.3 | * |
| Non-Hispanic American Indian or Alaska Native, male, 85 years and over | | | | | Non-Hispanic American Indian or Alaska Native, female, 5–9 years | | | | |
| ... | All causes | 950 | 100.0 | 10,474.1 | ... | All causes | 17 | 100.0 | * |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 268 | 28.2 | 2,954.8 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 4 | 23.5 | * |
| 2 | Malignant neoplasms (C00–C97) | 132 | 13.9 | 1,455.3 | 2 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 2 | 11.8 | * |
| 3 | Chronic lower respiratory diseases .. (J40–J47) | 61 | 6.4 | 672.5 | 3 | Meningococcal infection (A39) | 1 | 5.9 | * |
| 4 | Alzheimer's disease (G30) | 57 | 6.0 | 628.4 | 3 | Malignant neoplasms (C00–C97) | 1 | 5.9 | * |
| 5 | Cerebrovascular diseases (I60–I69) | 54 | 5.7 | 595.4 | 3 | Meningitis (G00,G03) | 1 | 5.9 | * |
| 6 | Diabetes mellitus (E10–E14) | 41 | 4.3 | 452.0 | 3 | Chronic lower respiratory diseases .. (J40–J47) | 1 | 5.9 | * |
| 7 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 28 | 2.9 | 308.7 | 3 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 1 | 5.9 | * |
| 8 | Influenza and pneumonia (J09–J18) | 27 | 2.8 | 297.7 | 3 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 1 | 5.9 | * |
| 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 26 | 2.7 | 286.7 | ... | All other causes (residual) | 5 | 29.4 | * |
| 10 | Septicemia (A40–A41) | 17 | 1.8 | * | ... | | | | |
| ... | All other causes (residual) | 239 | 25.2 | 2,635.1 | | | | | |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|--|-----------------------|-------------------------------|------------------------------|--|---|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic American Indian or Alaska Native, female, 10-14 years | | | | | Non-Hispanic American Indian or Alaska Native, female, 25-34 years | | | | |
| ... | All causes | 26 | 100.0 | 25.7 | ... | All causes | 374 | 100.0 | 187.4 |
| 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 6 | 23.1 | * | 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 136 | 36.4 | 68.1 |
| 1 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 6 | 23.1 | * | 2 | Chronic liver disease and cirrhosis..... (K70,K73-K74) | 40 | 10.7 | 20.0 |
| 3 | Malignant neoplasms..... (C00-C97) | 4 | 15.4 | * | 3 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 37 | 9.9 | 18.5 |
| 4 | Septicemia..... (A40-A41) | 2 | 7.7 | * | 4 | Diseases of heart..... (I00-I09,I11,I13,I20-I51) | 23 | 6.1 | 11.5 |
| 4 | Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1) | 2 | 7.7 | * | 5 | Malignant neoplasms..... (C00-C97) | 18 | 4.8 | * |
| 6 | Diseases of heart..... (I00-I09,I11,I13,I20-I51) | 1 | 3.8 | * | 6 | Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1) | 15 | 4.0 | * |
| 6 | Cerebrovascular diseases..... (I60-I69) | 1 | 3.8 | * | 7 | Diabetes mellitus..... (E10-E14) | 8 | 2.1 | * |
| ... | All other causes..... (residual) | 4 | 15.4 | * | 8 | Septicemia..... (A40-A41) | 4 | 1.1 | * |
| Non-Hispanic American Indian or Alaska Native, female, 15-19 years | | | | | 8 | Influenza and pneumonia..... (J09-J18) | 4 | 1.1 | * |
| ... | All causes | 56 | 100.0 | 53.9 | 10 | Chronic lower respiratory diseases .. (J40-J47) | 3 | 0.8 | * |
| 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 27 | 48.2 | 26.0 | 10 | Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27) | 3 | 0.8 | * |
| 2 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 15 | 26.8 | * | 10 | Pregnancy, childbirth and the puerperium..... (O00-O99) | 3 | 0.8 | * |
| 3 | Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1) | 4 | 7.1 | * | 10 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99) | 3 | 0.8 | * |
| 4 | Pregnancy, childbirth and the puerperium..... (O00-O99) | 2 | 3.6 | * | ... | All other causes..... (residual) | 77 | 20.6 | 38.6 |
| 5 | Diabetes mellitus..... (E10-E14) | 1 | 1.8 | * | Non-Hispanic American Indian or Alaska Native, female, 35-44 years | | | | |
| 5 | Diseases of heart..... (I00-I09,I11,I13,I20-I51) | 1 | 1.8 | * | ... | All causes | 507 | 100.0 | 304.4 |
| 5 | Influenza and pneumonia..... (J09-J18) | 1 | 1.8 | * | 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 122 | 24.1 | 73.3 |
| ... | All other causes..... (residual) | 5 | 8.9 | * | 2 | Chronic liver disease and cirrhosis..... (K70,K73-K74) | 75 | 14.8 | 45.0 |
| Non-Hispanic American Indian or Alaska Native, female, 20-24 years | | | | | 3 | Malignant neoplasms..... (C00-C97) | 58 | 11.4 | 34.8 |
| ... | All causes | 131 | 100.0 | 119.8 | 4 | Diseases of heart..... (I00-I09,I11,I13,I20-I51) | 53 | 10.5 | 31.8 |
| 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 57 | 43.5 | 52.1 | 5 | Diabetes mellitus..... (E10-E14) | 29 | 5.7 | 17.4 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 27 | 20.6 | 24.7 | 6 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 27 | 5.3 | 16.2 |
| 3 | Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1) | 10 | 7.6 | * | 7 | Cerebrovascular diseases..... (I60-I69) | 15 | 3.0 | * |
| 4 | Malignant neoplasms..... (C00-C97) | 4 | 3.1 | * | 7 | Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1) | 15 | 3.0 | * |
| 4 | Chronic liver disease and cirrhosis..... (K70,K73-K74) | 4 | 3.1 | * | 9 | Influenza and pneumonia..... (J09-J18) | 12 | 2.4 | * |
| 6 | Septicemia..... (A40-A41) | 1 | 0.8 | * | 10 | Septicemia..... (A40-A41) | 10 | 2.0 | * |
| 6 | Cerebrovascular diseases..... (I60-I69) | 1 | 0.8 | * | ... | All other causes..... (residual) | 91 | 17.9 | 54.6 |
| 6 | Chronic lower respiratory diseases .. (J40-J47) | 1 | 0.8 | * | | | | | |
| 6 | Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27) | 1 | 0.8 | * | | | | | |
| 6 | Pregnancy, childbirth and the puerperium..... (O00-O99) | 1 | 0.8 | * | | | | | |
| 6 | Legal intervention..... (Y35,Y89.0) | 1 | 0.8 | * | | | | | |
| ... | All other causes..... (residual) | 23 | 17.6 | 21.0 | | | | | |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|--|-----------------------|-------------------------------|------------------------------|---|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic American Indian or Alaska Native, female, 45–54 years | | | | | Non-Hispanic American Indian or Alaska Native, female, 65–74 years | | | | |
| ... | All causes | 929 | 100.0 | 531.1 | ... | All causes | 1,590 | 100.0 | 1,617.3 |
| 1 | Malignant neoplasms (C00–C97) | 178 | 19.2 | 101.8 | 1 | Malignant neoplasms (C00–C97) | 397 | 25.0 | 403.8 |
| 2 | Chronic liver disease and cirrhosis (K70,K73–K74) | 131 | 14.1 | 74.9 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 287 | 18.1 | 291.9 |
| 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 123 | 13.2 | 70.3 | 3 | Chronic lower respiratory diseases .. (J40–J47) | 140 | 8.8 | 142.4 |
| 4 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 102 | 11.0 | 58.3 | 4 | Diabetes mellitus (E10–E14) | 119 | 7.5 | 121.0 |
| 5 | Diabetes mellitus (E10–E14) | 53 | 5.7 | 30.3 | 5 | Cerebrovascular diseases (I60–I69) | 54 | 3.4 | 54.9 |
| 6 | Chronic lower respiratory diseases .. (J40–J47) | 27 | 2.9 | 15.4 | 6 | Chronic liver disease and cirrhosis (K70,K73–K74) | 52 | 3.3 | 52.9 |
| 7 | Cerebrovascular diseases (I60–I69) | 26 | 2.8 | 14.9 | 7 | Septicemia (A40–A41) | 49 | 3.1 | 49.8 |
| 8 | Influenza and pneumonia (J09–J18) | 17 | 1.8 | * | 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 44 | 2.8 | 44.8 |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 17 | 1.8 | * | 9 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 42 | 2.6 | 42.7 |
| 10 | Septicemia (A40–A41) | 15 | 1.6 | * | 10 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 27 | 1.7 | 27.5 |
| ... | All other causes (residual) | 240 | 25.8 | 137.2 | 10 | Influenza and pneumonia (J09–J18) | 27 | 1.7 | 27.5 |
| Non-Hispanic American Indian or Alaska Native, female, 55–64 years | | | | | Non-Hispanic American Indian or Alaska Native, female, 75–84 years | | | | |
| ... | All causes | 1,368 | 100.0 | 814.8 | ... | All causes | 1,705 | 100.0 | 3,983.7 |
| 1 | Malignant neoplasms (C00–C97) | 351 | 25.7 | 209.1 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 350 | 20.5 | 817.8 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 229 | 16.7 | 136.4 | 2 | Malignant neoplasms (C00–C97) | 341 | 20.0 | 796.7 |
| 3 | Chronic liver disease and cirrhosis (K70,K73–K74) | 113 | 8.3 | 67.3 | 3 | Diabetes mellitus (E10–E14) | 130 | 7.6 | 303.7 |
| 4 | Diabetes mellitus (E10–E14) | 97 | 7.1 | 57.8 | 4 | Chronic lower respiratory diseases .. (J40–J47) | 111 | 6.5 | 259.4 |
| 5 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 79 | 5.8 | 47.1 | 5 | Cerebrovascular diseases (I60–I69) | 101 | 5.9 | 236.0 |
| 6 | Chronic lower respiratory diseases .. (J40–J47) | 74 | 5.4 | 44.1 | 6 | Alzheimer's disease (G30) | 79 | 4.6 | 184.6 |
| 7 | Cerebrovascular diseases (I60–I69) | 38 | 2.8 | 22.6 | 7 | Influenza and pneumonia (J09–J18) | 52 | 3.0 | 121.5 |
| 8 | Septicemia (A40–A41) | 32 | 2.3 | 19.1 | 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 39 | 2.3 | 91.1 |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 32 | 2.3 | 19.1 | 9 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 37 | 2.2 | 86.5 |
| 10 | Viral hepatitis (B15–B19) | 19 | 1.4 | * | 10 | Chronic liver disease and cirrhosis (K70,K73–K74) | 35 | 2.1 | 81.8 |
| ... | All other causes (residual) | 304 | 22.2 | 181.1 | ... | All other causes (residual) | 430 | 25.2 | 1,004.7 |
| Non-Hispanic American Indian or Alaska Native, female, 65 years and over | | | | | Non-Hispanic American Indian or Alaska Native, female, 85 years and over | | | | |
| ... | All causes | 4,734 | 100.0 | 3,008.9 | ... | All causes | 1,439 | 100.0 | 8,870.1 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 970 | 20.5 | 616.5 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 333 | 23.1 | 2,052.6 |
| 2 | Malignant neoplasms (C00–C97) | 886 | 18.7 | 563.1 | 2 | Malignant neoplasms (C00–C97) | 148 | 10.3 | 912.3 |
| 3 | Diabetes mellitus (E10–E14) | 315 | 6.7 | 200.2 | 2 | Alzheimer's disease (G30) | 148 | 10.3 | 912.3 |
| 3 | Chronic lower respiratory diseases .. (J40–J47) | 315 | 6.7 | 200.2 | 4 | Cerebrovascular diseases (I60–I69) | 106 | 7.4 | 653.4 |
| 5 | Cerebrovascular diseases (I60–I69) | 261 | 5.5 | 165.9 | 5 | Diabetes mellitus (E10–E14) | 66 | 4.6 | 406.8 |
| 6 | Alzheimer's disease (G30) | 252 | 5.3 | 160.2 | 6 | Chronic lower respiratory diseases .. (J40–J47) | 64 | 4.4 | 394.5 |
| 7 | Influenza and pneumonia (J09–J18) | 135 | 2.9 | 85.8 | 7 | Influenza and pneumonia (J09–J18) | 56 | 3.9 | 345.2 |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 121 | 2.6 | 76.9 | 8 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 42 | 2.9 | 258.9 |
| 8 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 121 | 2.6 | 76.9 | 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 38 | 2.6 | 234.2 |
| 10 | Septicemia (A40–A41) | 100 | 2.1 | 63.6 | 10 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 30 | 2.1 | 184.9 |
| ... | All other causes (residual) | 1,258 | 26.6 | 799.6 | ... | All other causes (residual) | 408 | 28.4 | 2,514.9 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

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| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|--|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic Asian or Pacific Islander, both sexes, all ages ⁴ | | | | | Non-Hispanic Asian or Pacific Islander, both sexes, 5-9 years | | | | |
| ... | All causes | 68,235 | 100.0 | 350.3 | ... | All causes | 97 | 100.0 | 8.3 |
| 1 | Malignant neoplasms (C00-C97) | 17,718 | 26.0 | 91.0 | 1 | Malignant neoplasms (C00-C97) | 24 | 24.7 | 2.0 |
| 2 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 14,519 | 21.3 | 74.5 | 2 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 19 | 19.6 | * |
| 3 | Cerebrovascular diseases (I60-I69) | 5,217 | 7.6 | 26.8 | 3 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 7 | 7.2 | * |
| 4 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 3,101 | 4.5 | 15.9 | 4 | Influenza and pneumonia (J09-J18) | 5 | 5.2 | * |
| 5 | Diabetes mellitus (E10-E14) | 2,697 | 4.0 | 13.8 | 5 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 4 | 4.1 | * |
| 6 | Alzheimer's disease (G30) | 2,363 | 3.5 | 12.1 | 6 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 3 | 3.1 | * |
| 7 | Influenza and pneumonia (J09-J18) | 2,132 | 3.1 | 10.9 | 6 | Cerebrovascular diseases (I60-I69) | 3 | 3.1 | * |
| 8 | Chronic lower respiratory diseases .. (J40-J47) | 1,914 | 2.8 | 9.8 | 8 | Septicemia (A40-A41) | 2 | 2.1 | * |
| 9 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 1,363 | 2.0 | 7.0 | 9 | Scarlet fever and erysipelas (A38,A46) | 1 | 1.0 | * |
| 10 | Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27) | 1,348 | 2.0 | 6.9 | 9 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48) | 1 | 1.0 | * |
| ... | All other causes (residual) | 15,863 | 23.2 | 81.4 | 9 | Diabetes mellitus (E10-E14) | 1 | 1.0 | * |
| Non-Hispanic Asian or Pacific Islander, both sexes, 1-4 years | | | | | Non-Hispanic Asian or Pacific Islander, both sexes, 10-14 years | | | | |
| ... | All causes | 160 | 100.0 | 17.0 | ... | All causes | 121 | 100.0 | 10.2 |
| 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 43 | 26.9 | 4.6 | 1 | Malignant neoplasms (C00-C97) | 36 | 29.8 | 3.0 |
| 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 21 | 13.1 | 2.2 | 2 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 18 | 14.9 | * |
| 3 | Malignant neoplasms (C00-C97) | 20 | 12.5 | 2.1 | 3 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 14 | 11.6 | * |
| 4 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 10 | 6.3 | * | 4 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 10 | 8.3 | * |
| 5 | Septicemia (A40-A41) | 5 | 3.1 | * | 5 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 5 | 4.1 | * |
| 6 | Cerebrovascular diseases (I60-I69) | 4 | 2.5 | * | 5 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 5 | 4.1 | * |
| 7 | Influenza and pneumonia (J09-J18) | 3 | 1.9 | * | 7 | Septicemia (A40-A41) | 3 | 2.5 | * |
| 7 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 3 | 1.9 | * | 7 | Cerebrovascular diseases (I60-I69) | 3 | 2.5 | * |
| 9 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48) | 2 | 1.3 | * | 7 | Certain conditions originating in the perinatal period (P00-P96) | 3 | 2.5 | * |
| 9 | Diabetes mellitus (E10-E14) | 2 | 1.3 | * | 10 | Influenza and pneumonia (J09-J18) | 2 | 1.7 | * |
| 9 | Chronic lower respiratory diseases .. (J40-J47) | 2 | 1.3 | * | ... | All other causes (residual) | 22 | 18.2 | 1.9 |
| ... | All other causes (residual) | 45 | 28.1 | 4.8 | | | | | |

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 Hispanic origin and sex: United States, 2016—Con.

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| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|--|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic Asian or Pacific Islander, both sexes, 15-19 years | | | | | Non-Hispanic Asian or Pacific Islander, both sexes, 25-34 years | | | | |
| ... | All causes | 349 | 100.0 | 29.2 | ... | All causes | 1,401 | 100.0 | 42.0 |
| 1 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 111 | 31.8 | 9.3 | 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 372 | 26.6 | 11.2 |
| 2 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 95 | 27.2 | 7.9 | 2 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 264 | 18.8 | 7.9 |
| 3 | Malignant neoplasms | 28 | 8.0 | 2.3 | 3 | Malignant neoplasms | 199 | 14.2 | 6.0 |
| 3 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 28 | 8.0 | 2.3 | 4 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 106 | 7.6 | 3.2 |
| 5 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 16 | 4.6 | * | 5 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 77 | 5.5 | 2.3 |
| 6 | Congenital malformations, deformations and chromosomal abnormalities | 8 | 2.3 | * | 6 | Cerebrovascular diseases | 35 | 2.5 | 1.1 |
| 7 | Cerebrovascular diseases | 4 | 1.1 | * | 7 | Chronic liver disease and cirrhosis | 23 | 1.6 | 0.7 |
| 7 | Chronic lower respiratory diseases .. (J40-J47) | 4 | 1.1 | * | 7 | Pregnancy, childbirth and the puerperium | 23 | 1.6 | 0.7 |
| 9 | Septicemia | 2 | 0.6 | * | 9 | Septicemia | 13 | 0.9 | * |
| 10 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior | 1 | 0.3 | * | 9 | Influenza and pneumonia | 13 | 0.9 | * |
| 10 | Anemias | 1 | 0.3 | * | 9 | Congenital malformations, deformations and chromosomal abnormalities | 13 | 0.9 | * |
| 10 | Diabetes mellitus | 1 | 0.3 | * | ... | All other causes | 263 | 18.8 | 7.9 |
| 10 | Aortic aneurysm and dissection..... (I71) | 1 | 0.3 | * | Non-Hispanic Asian or Pacific Islander, both sexes, 35-44 years | | | | |
| 10 | Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27) | 1 | 0.3 | * | ... | All causes | 2,303 | 100.0 | 75.2 |
| 10 | Legal intervention | 1 | 0.3 | * | 1 | Malignant neoplasms | 693 | 30.1 | 22.6 |
| ... | All other causes | 47 | 13.5 | 3.9 | 2 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 355 | 15.4 | 11.6 |
| Non-Hispanic Asian or Pacific Islander, both sexes, 20-24 years | | | | | 3 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 305 | 13.2 | 10.0 |
| ... | All causes | 622 | 100.0 | 44.1 | 4 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 228 | 9.9 | 7.4 |
| 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 212 | 34.1 | 15.0 | 5 | Cerebrovascular diseases | 123 | 5.3 | 4.0 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 194 | 31.2 | 13.8 | 6 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 59 | 2.6 | 1.9 |
| 3 | Malignant neoplasms | 45 | 7.2 | 3.2 | 7 | Chronic liver disease and cirrhosis | 57 | 2.5 | 1.9 |
| 4 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 40 | 6.4 | 2.8 | 8 | Diabetes mellitus | 44 | 1.9 | 1.4 |
| 5 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 25 | 4.0 | 1.8 | 9 | Influenza and pneumonia (J09-J18) | 23 | 1.0 | 0.8 |
| 6 | Pregnancy, childbirth and the puerperium | 6 | 1.0 | * | 10 | Essential hypertension and hypertensive renal disease | 19 | 0.8 | * |
| 6 | Congenital malformations, deformations and chromosomal abnormalities | 6 | 1.0 | * | 10 | Pregnancy, childbirth and the puerperium | 19 | 0.8 | * |
| 8 | Cerebrovascular diseases | 4 | 0.6 | * | ... | All other causes | 378 | 16.4 | 12.3 |
| 9 | Influenza and pneumonia | 3 | 0.5 | * | | | | | |
| 9 | Chronic lower respiratory diseases .. (J40-J47) | 3 | 0.5 | * | | | | | |
| ... | All other causes | 84 | 13.5 | 6.0 | | | | | |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

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| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|--|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic Asian or Pacific Islander, both sexes, 45–54 years | | | | | Non-Hispanic Asian or Pacific Islander, both sexes, 65–74 years | | | | |
| ... | All causes | 4,366 | 100.0 | 166.7 | ... | All causes | 12,025 | 100.0 | 893.1 |
| 1 | Malignant neoplasms (C00–C97) | 1,697 | 38.9 | 64.8 | 1 | Malignant neoplasms (C00–C97) | 4,355 | 36.2 | 323.5 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 722 | 16.5 | 27.6 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 2,501 | 20.8 | 185.8 |
| 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 316 | 7.2 | 12.1 | 3 | Cerebrovascular diseases (I60–I69) | 851 | 7.1 | 63.2 |
| 4 | Cerebrovascular diseases (I60–I69) | 286 | 6.6 | 10.9 | 4 | Diabetes mellitus (E10–E14) | 603 | 5.0 | 44.8 |
| 5 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 204 | 4.7 | 7.8 | 5 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 385 | 3.2 | 28.6 |
| 6 | Diabetes mellitus (E10–E14) | 161 | 3.7 | 6.1 | 6 | Chronic lower respiratory diseases .. (J40–J47) | 320 | 2.7 | 23.8 |
| 7 | Chronic liver disease and cirrhosis (K70,K73–K74) | 110 | 2.5 | 4.2 | 7 | Influenza and pneumonia (J09–J18) | 280 | 2.3 | 20.8 |
| 8 | Influenza and pneumonia (J09–J18) | 65 | 1.5 | 2.5 | 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 254 | 2.1 | 18.9 |
| 9 | Septicemia (A40–A41) | 49 | 1.1 | 1.9 | 9 | Septicemia (A40–A41) | 175 | 1.5 | 13.0 |
| 10 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 47 | 1.1 | 1.8 | 10 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 156 | 1.3 | 11.6 |
| ... | All other causes (residual) | 709 | 16.2 | 27.1 | ... | All other causes (residual) | 2,145 | 17.8 | 159.3 |
| Non-Hispanic Asian or Pacific Islander, both sexes, 55–64 years | | | | | Non-Hispanic Asian or Pacific Islander, both sexes, 75–84 years | | | | |
| ... | All causes | 8,508 | 100.0 | 405.1 | ... | All causes | 16,274 | 100.0 | 2,566.8 |
| 1 | Malignant neoplasms (C00–C97) | 3,576 | 42.0 | 170.3 | 1 | Malignant neoplasms (C00–C97) | 4,318 | 26.5 | 681.0 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1,626 | 19.1 | 77.4 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 3,601 | 22.1 | 568.0 |
| 3 | Cerebrovascular diseases (I60–I69) | 514 | 6.0 | 24.5 | 3 | Cerebrovascular diseases (I60–I69) | 1,394 | 8.6 | 219.9 |
| 4 | Diabetes mellitus (E10–E14) | 397 | 4.7 | 18.9 | 4 | Diabetes mellitus (E10–E14) | 755 | 4.6 | 119.1 |
| 5 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 341 | 4.0 | 16.2 | 5 | Chronic lower respiratory diseases .. (J40–J47) | 610 | 3.7 | 96.2 |
| 6 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 170 | 2.0 | 8.1 | 6 | Alzheimer's disease (G30) | 524 | 3.2 | 82.6 |
| 7 | Chronic liver disease and cirrhosis (K70,K73–K74) | 139 | 1.6 | 6.6 | 7 | Influenza and pneumonia (J09–J18) | 522 | 3.2 | 82.3 |
| 8 | Influenza and pneumonia (J09–J18) | 138 | 1.6 | 6.6 | 8 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 461 | 2.8 | 72.7 |
| 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 132 | 1.6 | 6.3 | 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 426 | 2.6 | 67.2 |
| 10 | Chronic lower respiratory diseases .. (J40–J47) | 128 | 1.5 | 6.1 | 10 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 339 | 2.1 | 53.5 |
| ... | All other causes (residual) | 1,347 | 15.8 | 64.1 | ... | All other causes (residual) | 3,324 | 20.4 | 524.3 |
| Non-Hispanic Asian or Pacific Islander, both sexes, 65 years and over | | | | | Non-Hispanic Asian or Pacific Islander, both sexes, 85 years and over | | | | |
| ... | All causes | 49,376 | 100.0 | 2,215.2 | ... | All causes | 21,077 | 100.0 | 8,481.1 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 11,633 | 23.6 | 521.9 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 5,531 | 26.2 | 2,225.6 |
| 2 | Malignant neoplasms (C00–C97) | 11,398 | 23.1 | 511.4 | 2 | Malignant neoplasms (C00–C97) | 2,725 | 12.9 | 1,096.5 |
| 3 | Cerebrovascular diseases (I60–I69) | 4,234 | 8.6 | 190.0 | 3 | Cerebrovascular diseases (I60–I69) | 1,989 | 9.4 | 800.4 |
| 4 | Alzheimer's disease (G30) | 2,346 | 4.8 | 105.3 | 4 | Alzheimer's disease (G30) | 1,752 | 8.3 | 705.0 |
| 5 | Diabetes mellitus (E10–E14) | 2,078 | 4.2 | 93.2 | 5 | Influenza and pneumonia (J09–J18) | 1,075 | 5.1 | 432.6 |
| 6 | Influenza and pneumonia (J09–J18) | 1,877 | 3.8 | 84.2 | 6 | Chronic lower respiratory diseases .. (J40–J47) | 799 | 3.8 | 321.5 |
| 7 | Chronic lower respiratory diseases .. (J40–J47) | 1,729 | 3.5 | 77.6 | 7 | Diabetes mellitus (E10–E14) | 720 | 3.4 | 289.7 |
| 8 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 1,357 | 2.7 | 60.9 | 8 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 626 | 3.0 | 251.9 |
| 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 1,140 | 2.3 | 51.1 | 9 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 511 | 2.4 | 205.6 |
| 10 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 1,121 | 2.3 | 50.3 | 10 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 460 | 2.2 | 185.1 |
| ... | All other causes (residual) | 10,463 | 21.2 | 469.4 | ... | All other causes (residual) | 4,889 | 23.2 | 1,967.3 |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|--|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic Asian or Pacific Islander, male, all ages ⁴ | | | | | Non-Hispanic Asian or Pacific Islander, male, 5–9 years | | | | |
| ... | All causes | 34,892 | 100.0 | 374.9 | ... | All causes | 55 | 100.0 | 9.2 |
| 1 | Malignant neoplasms | 8,978 | 25.7 | 96.5 | 1 | Malignant neoplasms | 15 | 27.3 | * |
| 2 | Diseases of heart | 7,840 | 22.5 | 84.2 | 2 | Accidents (unintentional injuries)..... | 14 | 25.5 | * |
| 3 | Cerebrovascular diseases | 2,268 | 6.5 | 24.4 | 3 | Influenza and pneumonia | 3 | 5.5 | * |
| 4 | Accidents (unintentional injuries)..... | 1,929 | 5.5 | 20.7 | 3 | Assault (homicide) | 3 | 5.5 | * |
| 5 | Diabetes mellitus | 1,414 | 4.1 | 15.2 | 5 | Septicemia | 2 | 3.6 | * |
| 6 | Chronic lower respiratory diseases .. | 1,134 | 3.3 | 12.2 | 5 | Diseases of heart | 2 | 3.6 | * |
| 7 | Influenza and pneumonia | 1,120 | 3.2 | 12.0 | 7 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior | 1 | 1.8 | * |
| 8 | Intentional self-harm (suicide) | 977 | 2.8 | 10.5 | 7 | Diabetes mellitus | 1 | 1.8 | * |
| 9 | Alzheimer's disease | 709 | 2.0 | 7.6 | 7 | Cerebrovascular diseases | 1 | 1.8 | * |
| 10 | Nephritis, nephrotic syndrome and nephrosis | 665 | 1.9 | 7.1 | 7 | Certain conditions originating in the perinatal period | 1 | 1.8 | * |
| ... | All other causes | 7,858 | 22.5 | 84.4 | 7 | Congenital malformations, deformations and chromosomal abnormalities | 1 | 1.8 | * |
| Non-Hispanic Asian or Pacific Islander, male, 1–4 years | | | | | Non-Hispanic Asian or Pacific Islander, male, 10–14 years | | | | |
| ... | All causes | 80 | 100.0 | 16.6 | ... | All causes | 63 | 100.0 | 10.6 |
| 1 | Accidents (unintentional injuries)..... | 29 | 36.3 | 6.0 | 1 | Malignant neoplasms | 17 | 27.0 | * |
| 2 | Malignant neoplasms | 9 | 11.3 | * | 2 | Intentional self-harm (suicide) | 11 | 17.5 | * |
| 2 | Congenital malformations, deformations and chromosomal abnormalities | 9 | 11.3 | * | 3 | Diseases of heart | 8 | 12.7 | * |
| 4 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior | 2 | 2.5 | * | 3 | Accidents (unintentional injuries)..... | 8 | 12.7 | * |
| 4 | Diseases of heart | 2 | 2.5 | * | 5 | Congenital malformations, deformations and chromosomal abnormalities | 3 | 4.8 | * |
| 4 | Cerebrovascular diseases | 2 | 2.5 | * | 6 | Cerebrovascular diseases | 2 | 3.2 | * |
| 4 | Influenza and pneumonia | 2 | 2.5 | * | 6 | Assault (homicide) | 2 | 3.2 | * |
| 4 | Assault (homicide) | 2 | 2.5 | * | 8 | Septicemia | 1 | 1.6 | * |
| 9 | Septicemia | 1 | 1.3 | * | 8 | Certain conditions originating in the perinatal period | 1 | 1.6 | * |
| 9 | Diabetes mellitus | 1 | 1.3 | * | ... | All other causes | 10 | 15.9 | * |
| 9 | Chronic lower respiratory diseases .. | 1 | 1.3 | * | | | | | |
| 9 | Pneumonitis due to solids and liquids | 1 | 1.3 | * | | | | | |
| 9 | Certain conditions originating in the perinatal period | 1 | 1.3 | * | | | | | |
| 9 | Complications of medical and surgical care | 1 | 1.3 | * | | | | | |
| ... | All other causes | 17 | 21.3 | * | | | | | |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|---|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic Asian or Pacific Islander, male, 15-19 years | | | | | Non-Hispanic Asian or Pacific Islander, male, 25-34 years | | | | |
| ... | All causes | 242 | 100.0 | 40.0 | ... | All causes | 944 | 100.0 | 58.5 |
| 1 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 80 | 33.1 | 13.2 | 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 274 | 29.0 | 17.0 |
| 2 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 69 | 28.5 | 11.4 | 2 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 196 | 20.8 | 12.1 |
| 3 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 21 | 8.7 | 3.5 | 3 | Malignant neoplasms..... (C00-C97) | 98 | 10.4 | 6.1 |
| 4 | Malignant neoplasms..... (C00-C97) | 16 | 6.6 | * | 4 | Diseases of heart.... (I00-I09,I11,I13,I20-I51) | 84 | 8.9 | 5.2 |
| 5 | Diseases of heart.... (I00-I09,I11,I13,I20-I51) | 9 | 3.7 | * | 5 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 61 | 6.5 | 3.8 |
| 6 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99) | 5 | 2.1 | * | 6 | Cerebrovascular diseases..... (I60-I69) | 18 | 1.9 | * |
| 7 | Chronic lower respiratory diseases.. (J40-J47) | 3 | 1.2 | * | 6 | Chronic liver disease and cirrhosis..... (K70,K73-K74) | 18 | 1.9 | * |
| 8 | Cerebrovascular diseases..... (I60-I69) | 2 | 0.8 | * | 8 | Influenza and pneumonia..... (J09-J18) | 10 | 1.1 | * |
| 9 | Septicemia..... (A40-A41) | 1 | 0.4 | * | 9 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99) | 8 | 0.8 | * |
| 9 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00-D48) | 1 | 0.4 | * | 10 | Septicemia..... (A40-A41) | 7 | 0.7 | * |
| 9 | Anemias..... (D50-D64) | 1 | 0.4 | * | 10 | Diabetes mellitus..... (E10-E14) | 7 | 0.7 | * |
| 9 | Aortic aneurysm and dissection..... (I71) | 1 | 0.4 | * | 10 | Chronic lower respiratory diseases.. (J40-J47) | 7 | 0.7 | * |
| 9 | Nephritis, nephrotic syndrome and nephrosis.... (N00-N07,N17-N19,N25-N27) | 1 | 0.4 | * | ... | All other causes..... (residual) | 156 | 16.5 | 9.7 |
| 9 | Legal intervention..... (Y35,Y89.0) | 1 | 0.4 | * | Non-Hispanic Asian or Pacific Islander, male, 35-44 years | | | | |
| ... | All other causes..... (residual) | 31 | 12.8 | 5.1 | ... | All causes | 1,426 | 100.0 | 99.4 |
| Non-Hispanic Asian or Pacific Islander, male, 20-24 years | | | | | 1 | Malignant neoplasms..... (C00-C97) | 278 | 19.5 | 19.4 |
| ... | All causes | 454 | 100.0 | 63.4 | 2 | Diseases of heart.... (I00-I09,I11,I13,I20-I51) | 276 | 19.4 | 19.2 |
| 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 172 | 37.9 | 24.0 | 3 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 237 | 16.6 | 16.5 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 143 | 31.5 | 20.0 | 4 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 172 | 12.1 | 12.0 |
| 3 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 30 | 6.6 | 4.2 | 5 | Cerebrovascular diseases..... (I60-I69) | 72 | 5.0 | 5.0 |
| 4 | Malignant neoplasms..... (C00-C97) | 28 | 6.2 | 3.9 | 6 | Chronic liver disease and cirrhosis..... (K70,K73-K74) | 48 | 3.4 | 3.3 |
| 5 | Diseases of heart.... (I00-I09,I11,I13,I20-I51) | 17 | 3.7 | * | 7 | Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1) | 36 | 2.5 | 2.5 |
| 6 | Chronic lower respiratory diseases.. (J40-J47) | 3 | 0.7 | * | 8 | Diabetes mellitus..... (E10-E14) | 29 | 2.0 | 2.0 |
| 6 | Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99) | 3 | 0.7 | * | 9 | Human immunodeficiency virus (HIV) disease..... (B20-B24) | 16 | 1.1 | * |
| 8 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00-D48) | 2 | 0.4 | * | 9 | Influenza and pneumonia..... (J09-J18) | 16 | 1.1 | * |
| 8 | Diabetes mellitus..... (E10-E14) | 2 | 0.4 | * | ... | All other causes..... (residual) | 246 | 17.3 | 17.1 |
| 8 | Cerebrovascular diseases..... (I60-I69) | 2 | 0.4 | * | | | | | |
| 8 | Aortic aneurysm and dissection..... (I71) | 2 | 0.4 | * | | | | | |
| ... | All other causes..... (residual) | 50 | 11.0 | 7.0 | | | | | |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|--|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic Asian or Pacific Islander, male, 45–54 years | | | | | Non-Hispanic Asian or Pacific Islander, male, 65–74 years | | | | |
| ... | All causes | 2,593 | 100.0 | 212.0 | ... | All causes | 6,793 | 100.0 | 1,134.8 |
| 1 | Malignant neoplasms (C00–C97) | 758 | 29.2 | 62.0 | 1 | Malignant neoplasms (C00–C97) | 2,342 | 34.5 | 391.3 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 583 | 22.5 | 47.7 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1,592 | 23.4 | 266.0 |
| 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 232 | 8.9 | 19.0 | 3 | Cerebrovascular diseases (I60–I69) | 440 | 6.5 | 73.5 |
| 4 | Cerebrovascular diseases (I60–I69) | 151 | 5.8 | 12.3 | 4 | Diabetes mellitus (E10–E14) | 342 | 5.0 | 57.1 |
| 5 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 136 | 5.2 | 11.1 | 5 | Chronic lower respiratory diseases .. (J40–J47) | 202 | 3.0 | 33.7 |
| 6 | Diabetes mellitus (E10–E14) | 109 | 4.2 | 8.9 | 6 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 195 | 2.9 | 32.6 |
| 7 | Chronic liver disease and cirrhosis (K70,K73–K74) | 79 | 3.0 | 6.5 | 7 | Influenza and pneumonia (J09–J18) | 171 | 2.5 | 28.6 |
| 8 | Influenza and pneumonia (J09–J18) | 44 | 1.7 | 3.6 | 8 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27) | 132 | 1.9 | 22.1 |
| 9 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 35 | 1.3 | 2.9 | 9 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 97 | 1.4 | 16.2 |
| 10 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 34 | 1.3 | 2.8 | 10 | Septicemia (A40–A41) | 81 | 1.2 | 13.5 |
| ... | All other causes (residual) | 432 | 16.7 | 35.3 | ... | All other causes (residual) | 1,199 | 17.7 | 200.3 |
| Non-Hispanic Asian or Pacific Islander, male, 55–64 years | | | | | Non-Hispanic Asian or Pacific Islander, male, 75–84 years | | | | |
| ... | All causes | 4,999 | 100.0 | 523.2 | ... | All causes | 8,370 | 100.0 | 3,034.5 |
| 1 | Malignant neoplasms (C00–C97) | 1,804 | 36.1 | 188.8 | 1 | Malignant neoplasms (C00–C97) | 2,306 | 27.6 | 836.0 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1,183 | 23.7 | 123.8 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1,890 | 22.6 | 685.2 |
| 3 | Cerebrovascular diseases (I60–I69) | 289 | 5.8 | 30.2 | 3 | Cerebrovascular diseases (I60–I69) | 616 | 7.4 | 223.3 |
| 4 | Diabetes mellitus (E10–E14) | 258 | 5.2 | 27.0 | 4 | Diabetes mellitus (E10–E14) | 394 | 4.7 | 142.8 |
| 5 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 214 | 4.3 | 22.4 | 5 | Chronic lower respiratory diseases .. (J40–J47) | 381 | 4.6 | 138.1 |
| 6 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 122 | 2.4 | 12.8 | 6 | Influenza and pneumonia (J09–J18) | 292 | 3.5 | 105.9 |
| 7 | Chronic liver disease and cirrhosis (K70,K73–K74) | 101 | 2.0 | 10.6 | 7 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 261 | 3.1 | 94.6 |
| 8 | Influenza and pneumonia (J09–J18) | 82 | 1.6 | 8.6 | 8 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27) | 219 | 2.6 | 79.4 |
| 9 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27) | 78 | 1.6 | 8.2 | 9 | Parkinson's disease (G20–G21) | 205 | 2.4 | 74.3 |
| 10 | Chronic lower respiratory diseases .. (J40–J47) | 76 | 1.5 | 8.0 | 10 | Alzheimer's disease (G30) | 183 | 2.2 | 66.3 |
| ... | All other causes (residual) | 792 | 15.8 | 82.9 | ... | All other causes (residual) | 1,623 | 19.4 | 588.4 |
| Non-Hispanic Asian or Pacific Islander, male, 65 years and over | | | | | Non-Hispanic Asian or Pacific Islander, male, 85 years and over | | | | |
| ... | All causes | 23,502 | 100.0 | 2,433.1 | ... | All causes | 8,339 | 100.0 | 9,112.6 |
| 1 | Malignant neoplasms (C00–C97) | 5,954 | 25.3 | 616.4 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 2,186 | 26.2 | 2,388.8 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 5,668 | 24.1 | 586.8 | 2 | Malignant neoplasms (C00–C97) | 1,306 | 15.7 | 1,427.2 |
| 3 | Cerebrovascular diseases (I60–I69) | 1,723 | 7.3 | 178.4 | 3 | Cerebrovascular diseases (I60–I69) | 667 | 8.0 | 728.9 |
| 4 | Chronic lower respiratory diseases .. (J40–J47) | 1,021 | 4.3 | 105.7 | 4 | Influenza and pneumonia (J09–J18) | 497 | 6.0 | 543.1 |
| 5 | Diabetes mellitus (E10–E14) | 1,007 | 4.3 | 104.3 | 5 | Alzheimer's disease (G30) | 492 | 5.9 | 537.6 |
| 6 | Influenza and pneumonia (J09–J18) | 960 | 4.1 | 99.4 | 6 | Chronic lower respiratory diseases .. (J40–J47) | 438 | 5.3 | 478.6 |
| 7 | Alzheimer's disease (G30) | 702 | 3.0 | 72.7 | 7 | Diabetes mellitus (E10–E14) | 271 | 3.2 | 296.1 |
| 8 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 666 | 2.8 | 68.9 | 8 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 210 | 2.5 | 229.5 |
| 9 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27) | 541 | 2.3 | 56.0 | 8 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 210 | 2.5 | 229.5 |
| 10 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 439 | 1.9 | 45.4 | 10 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27) | 190 | 2.3 | 207.6 |
| ... | All other causes (residual) | 4,821 | 20.5 | 499.1 | ... | All other causes (residual) | 1,872 | 22.4 | 2,045.7 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|--|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic Asian or Pacific Islander, female, all ages ⁴ | | | | | Non-Hispanic Asian or Pacific Islander, female, 10–14 years | | | | |
| ... | All causes | 33,343 | 100.0 | 327.8 | ... | All causes | 58 | 100.0 | 9.8 |
| 1 | Malignant neoplasms | 8,740 | 26.2 | 85.9 | 1 | Malignant neoplasms | 19 | 32.8 | * |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 6,679 | 20.0 | 65.7 | 2 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 10 | 17.2 | * |
| 3 | Cerebrovascular diseases | 2,949 | 8.8 | 29.0 | 3 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 3 | 5.2 | * |
| 4 | Alzheimer's disease..... (G30) | 1,654 | 5.0 | 16.3 | 3 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 3 | 5.2 | * |
| 5 | Diabetes mellitus | 1,283 | 3.8 | 12.6 | 5 | Septicemia | 2 | 3.4 | * |
| 6 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 1,172 | 3.5 | 11.5 | 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 2 | 3.4 | * |
| 7 | Influenza and pneumonia | 1,012 | 3.0 | 9.9 | 5 | Influenza and pneumonia | 2 | 3.4 | * |
| 8 | Chronic lower respiratory diseases .. (J40–J47) | 780 | 2.3 | 7.7 | 5 | Certain conditions originating in the perinatal period | 2 | 3.4 | * |
| 9 | Essential hypertension and hypertensive renal disease | 735 | 2.2 | 7.2 | 5 | Congenital malformations, deformations and chromosomal abnormalities | 2 | 3.4 | * |
| 10 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 683 | 2.0 | 6.7 | 10 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior | 1 | 1.7 | * |
| ... | All other causes | 7,656 | 23.0 | 75.3 | 10 | Meningitis | 1 | 1.7 | * |
| Non-Hispanic Asian or Pacific Islander, female, 1–4 years | | | | | 10 | Cerebrovascular diseases | 1 | 1.7 | * |
| ... | All causes | 80 | 100.0 | 17.5 | 10 | Diseases of appendix | 1 | 1.7 | * |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 14 | 17.5 | * | ... | All other causes | 9 | 15.5 | * |
| 2 | Congenital malformations, deformations and chromosomal abnormalities | 12 | 15.0 | * | Non-Hispanic Asian or Pacific Islander, female, 15–19 years | | | | |
| 3 | Malignant neoplasms | 11 | 13.8 | * | ... | All causes | 107 | 100.0 | 18.1 |
| 4 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 8 | 10.0 | * | 1 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 31 | 29.0 | 5.2 |
| 5 | Septicemia | 4 | 5.0 | * | 2 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 26 | 24.3 | 4.4 |
| 6 | Cerebrovascular diseases | 2 | 2.5 | * | 3 | Malignant neoplasms | 12 | 11.2 | * |
| 7 | Diabetes mellitus | 1 | 1.3 | * | 4 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 7 | 6.5 | * |
| 7 | Meningitis | 1 | 1.3 | * | 4 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 7 | 6.5 | * |
| 7 | Influenza and pneumonia | 1 | 1.3 | * | 6 | Congenital malformations, deformations and chromosomal abnormalities | 3 | 2.8 | * |
| 7 | Chronic lower respiratory diseases .. (J40–J47) | 1 | 1.3 | * | 7 | Cerebrovascular diseases | 2 | 1.9 | * |
| 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 1 | 1.3 | * | 8 | Septicemia | 1 | 0.9 | * |
| 7 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 1 | 1.3 | * | 8 | Diabetes mellitus | 1 | 0.9 | * |
| ... | All other causes | 23 | 28.8 | 5.0 | 8 | Chronic lower respiratory diseases .. (J40–J47) | 1 | 0.9 | * |
| Non-Hispanic Asian or Pacific Islander, female, 5–9 years | | | | | ... | All other causes | 16 | 15.0 | * |
| ... | All causes | 42 | 100.0 | 7.3 | | | | | |
| 1 | Malignant neoplasms | 9 | 21.4 | * | | | | | |
| 2 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 5 | 11.9 | * | | | | | |
| 3 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 4 | 9.5 | * | | | | | |
| 4 | Congenital malformations, deformations and chromosomal abnormalities | 3 | 7.1 | * | | | | | |
| 5 | Cerebrovascular diseases | 2 | 4.8 | * | | | | | |
| 5 | Influenza and pneumonia | 2 | 4.8 | * | | | | | |
| 7 | Scarlet fever and erysipelas | 1 | 2.4 | * | | | | | |
| 7 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1 | 2.4 | * | | | | | |
| ... | All other causes | 15 | 35.7 | * | | | | | |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|---|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic Asian or Pacific Islander, female, 20–24 years | | | | | Non-Hispanic Asian or Pacific Islander, female, 35–44 years | | | | |
| ... | All causes | 168 | 100.0 | 24.2 | ... | All causes | 877 | 100.0 | 53.8 |
| 1 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 51 | 30.4 | 7.4 | 1 | Malignant neoplasms(C00–C97) | 415 | 47.3 | 25.5 |
| 2 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 40 | 23.8 | 5.8 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 79 | 9.0 | 4.8 |
| 3 | Malignant neoplasms(C00–C97) | 17 | 10.1 | * | 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 68 | 7.8 | 4.2 |
| 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 10 | 6.0 | * | 4 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 56 | 6.4 | 3.4 |
| 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 8 | 4.8 | * | 5 | Cerebrovascular diseases..... (I60–I69) | 51 | 5.8 | 3.1 |
| 6 | Pregnancy, childbirth and the puerperium (O00–O99) | 6 | 3.6 | * | 6 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 23 | 2.6 | 1.4 |
| 7 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 3 | 1.8 | * | 7 | Pregnancy, childbirth and the puerperium (O00–O99) | 19 | 2.2 | * |
| 8 | Cerebrovascular diseases (I60–I69) | 2 | 1.2 | * | 8 | Diabetes mellitus(E10–E14) | 15 | 1.7 | * |
| 8 | Influenza and pneumonia(J09–J18) | 2 | 1.2 | * | 9 | Chronic liver disease and cirrhosis(K70,K73–K74) | 9 | 1.0 | * |
| 10 | Tuberculosis(A16–A19) | 1 | 0.6 | * | 10 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 8 | 0.9 | * |
| 10 | Human immunodeficiency virus (HIV) disease(B20–B24) | 1 | 0.6 | * | ... | All other causes (residual) | 134 | 15.3 | 8.2 |
| 10 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 1 | 0.6 | * | Non-Hispanic Asian or Pacific Islander, female, 45–54 years | | | | |
| 10 | Chronic liver disease and cirrhosis(K70,K73–K74) | 1 | 0.6 | * | ... | All causes | 1,773 | 100.0 | 127.1 |
| 10 | Inflammatory diseases of female pelvic organs (N70–N76) | 1 | 0.6 | * | 1 | Malignant neoplasms(C00–C97) | 939 | 53.0 | 67.3 |
| ... | All other causes (residual) | 24 | 14.3 | 3.5 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 139 | 7.8 | 10.0 |
| Non-Hispanic Asian or Pacific Islander, female, 25–34 years | | | | | 3 | Cerebrovascular diseases (I60–I69) | 135 | 7.6 | 9.7 |
| ... | All causes | 457 | 100.0 | 26.6 | 4 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 84 | 4.7 | 6.0 |
| 1 | Malignant neoplasms(C00–C97) | 101 | 22.1 | 5.9 | 5 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 68 | 3.8 | 4.9 |
| 2 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 98 | 21.4 | 5.7 | 6 | Diabetes mellitus(E10–E14) | 52 | 2.9 | 3.7 |
| 3 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 68 | 14.9 | 4.0 | 7 | Chronic liver disease and cirrhosis(K70,K73–K74) | 31 | 1.7 | 2.2 |
| 4 | Pregnancy, childbirth and the puerperium (O00–O99) | 23 | 5.0 | 1.3 | 8 | Septicemia(A40–A41) | 23 | 1.3 | 1.6 |
| 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 22 | 4.8 | 1.3 | 9 | Influenza and pneumonia(J09–J18) | 21 | 1.2 | 1.5 |
| 6 | Cerebrovascular diseases..... (I60–I69) | 17 | 3.7 | * | 10 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 17 | 1.0 | * |
| 7 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 16 | 3.5 | * | ... | All other causes (residual) | 264 | 14.9 | 18.9 |
| 8 | Septicemia(A40–A41) | 6 | 1.3 | * | Non-Hispanic Asian or Pacific Islander, female, 55–64 years | | | | |
| 9 | Chronic liver disease and cirrhosis(K70,K73–K74) | 5 | 1.1 | * | ... | All causes | 3,509 | 100.0 | 306.5 |
| 9 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 5 | 1.1 | * | 1 | Malignant neoplasms(C00–C97) | 1,772 | 50.5 | 154.8 |
| ... | All other causes (residual) | 96 | 21.0 | 5.6 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 443 | 12.6 | 38.7 |
| | | | | | 3 | Cerebrovascular diseases (I60–I69) | 225 | 6.4 | 19.7 |
| | | | | | 4 | Diabetes mellitus(E10–E14) | 139 | 4.0 | 12.1 |
| | | | | | 5 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 127 | 3.6 | 11.1 |
| | | | | | 6 | Influenza and pneumonia(J09–J18) | 56 | 1.6 | 4.9 |
| | | | | | 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 54 | 1.5 | 4.7 |
| | | | | | 8 | Chronic lower respiratory diseases .. (J40–J47) | 52 | 1.5 | 4.5 |
| | | | | | 9 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 48 | 1.4 | 4.2 |
| | | | | | 10 | Septicemia(A40–A41) | 41 | 1.2 | 3.6 |
| | | | | | ... | All other causes (residual) | 552 | 15.7 | 48.2 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|--|--|-----------------------|-------------------------------|------------------------------|--|--|-----------------------|-------------------------------|------------------------------|
| Non-Hispanic Asian or Pacific Islander, female, 65 years and over | | | | | Non-Hispanic Asian or Pacific Islander, female, 85 years and over | | | | |
| ... | All causes | 25,874 | 100.0 | 2,048.6 | ... | All causes | 12,738 | 100.0 | 8,113.1 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 5,965 | 23.1 | 472.3 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 3,345 | 26.3 | 2,130.5 |
| 2 | Malignant neoplasms (C00–C97) | 5,444 | 21.0 | 431.0 | 2 | Malignant neoplasms (C00–C97) | 1,419 | 11.1 | 903.8 |
| 3 | Cerebrovascular diseases (I60–I69) | 2,511 | 9.7 | 198.8 | 3 | Cerebrovascular diseases (I60–I69) | 1,322 | 10.4 | 842.0 |
| 4 | Alzheimer's disease (G30) | 1,644 | 6.4 | 130.2 | 4 | Alzheimer's disease (G30) | 1,260 | 9.9 | 802.5 |
| 5 | Diabetes mellitus (E10–E14) | 1,071 | 4.1 | 84.8 | 5 | Influenza and pneumonia (J09–J18) | 578 | 4.5 | 368.1 |
| 6 | Influenza and pneumonia (J09–J18) | 917 | 3.5 | 72.6 | 6 | Diabetes mellitus (E10–E14) | 449 | 3.5 | 286.0 |
| 7 | Chronic lower respiratory diseases . . (J40–J47) | 708 | 2.7 | 56.1 | 7 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 416 | 3.3 | 265.0 |
| 8 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 691 | 2.7 | 54.7 | 8 | Chronic lower respiratory diseases . . (J40–J47) | 361 | 2.8 | 229.9 |
| 9 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 682 | 2.6 | 54.0 | 9 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 301 | 2.4 | 191.7 |
| 10 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 599 | 2.3 | 47.4 | 10 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 270 | 2.1 | 172.0 |
| ... | All other causes (residual) | 5,642 | 21.8 | 446.7 | ... | All other causes (residual) | 3,017 | 23.7 | 1,921.6 |
| Non-Hispanic Asian or Pacific Islander, female, 65–74 years | | | | | Hispanic, both sexes, all ages ⁴ | | | | |
| ... | All causes | 5,232 | 100.0 | 699.6 | ... | All causes | 188,254 | 100.0 | 327.6 |
| 1 | Malignant neoplasms (C00–C97) | 2,013 | 38.5 | 269.2 | 1 | Malignant neoplasms (C00–C97) | 39,263 | 20.9 | 68.3 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 909 | 17.4 | 121.6 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 37,799 | 20.1 | 65.8 |
| 3 | Cerebrovascular diseases (I60–I69) | 411 | 7.9 | 55.0 | 3 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 15,711 | 8.3 | 27.3 |
| 4 | Diabetes mellitus (E10–E14) | 261 | 5.0 | 34.9 | 4 | Cerebrovascular diseases (I60–I69) | 10,283 | 5.5 | 17.9 |
| 5 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 190 | 3.6 | 25.4 | 5 | Diabetes mellitus (E10–E14) | 8,546 | 4.5 | 14.9 |
| 6 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 122 | 2.3 | 16.3 | 6 | Alzheimer's disease (G30) | 6,833 | 3.6 | 11.9 |
| 7 | Chronic lower respiratory diseases . . (J40–J47) | 118 | 2.3 | 15.8 | 7 | Chronic liver disease and cirrhosis (K70,K73–K74) | 6,141 | 3.3 | 10.7 |
| 8 | Influenza and pneumonia (J09–J18) | 109 | 2.1 | 14.6 | 8 | Chronic lower respiratory diseases . . (J40–J47) | 5,287 | 2.8 | 9.2 |
| 9 | Septicemia (A40–A41) | 94 | 1.8 | 12.6 | 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 3,775 | 2.0 | 6.6 |
| 10 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 59 | 1.1 | 7.9 | 10 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 3,668 | 1.9 | 6.4 |
| ... | All other causes (residual) | 946 | 18.1 | 126.5 | ... | All other causes (residual) | 50,948 | 27.1 | 88.7 |
| Non-Hispanic Asian or Pacific Islander, female, 75–84 years | | | | | Hispanic, both sexes, 1–4 years | | | | |
| ... | All causes | 7,904 | 100.0 | 2,206.6 | ... | All causes | 799 | 100.0 | 19.4 |
| 1 | Malignant neoplasms (C00–C97) | 2,012 | 25.5 | 561.7 | 1 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 233 | 29.2 | 5.7 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1,711 | 21.6 | 477.7 | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 99 | 12.4 | 2.4 |
| 3 | Cerebrovascular diseases (I60–I69) | 778 | 9.8 | 217.2 | 3 | Malignant neoplasms (C00–C97) | 89 | 11.1 | 2.2 |
| 4 | Diabetes mellitus (E10–E14) | 361 | 4.6 | 100.8 | 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 62 | 7.8 | 1.5 |
| 5 | Alzheimer's disease (G30) | 341 | 4.3 | 95.2 | 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 27 | 3.4 | 0.7 |
| 6 | Influenza and pneumonia (J09–J18) | 230 | 2.9 | 64.2 | 6 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48) | 16 | 2.0 | * |
| 7 | Chronic lower respiratory diseases . . (J40–J47) | 229 | 2.9 | 63.9 | 6 | Influenza and pneumonia (J09–J18) | 16 | 2.0 | * |
| 8 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 207 | 2.6 | 57.8 | 8 | Septicemia (A40–A41) | 14 | 1.8 | * |
| 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 207 | 2.6 | 57.8 | 9 | Certain conditions originating in the perinatal period (P00–P96) | 12 | 1.5 | * |
| 10 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 200 | 2.5 | 55.8 | 10 | Cerebrovascular diseases (I60–I69) | 8 | 1.0 | * |
| ... | All other causes (residual) | 1,628 | 20.6 | 454.5 | 10 | Chronic lower respiratory diseases . . (J40–J47) | 8 | 1.0 | * |
| ... | | | | | ... | All other causes (residual) | 215 | 26.9 | 5.2 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|-----------------------------------|--|-----------------------|-------------------------------|------------------------------|-----------------------------------|--|-----------------------|-------------------------------|------------------------------|
| Hispanic, both sexes, 5–9 years | | | | | Hispanic, both sexes, 20–24 years | | | | |
| ... | All causes | 578 | 100.0 | 11.0 | ... | All causes | 3,705 | 100.0 | 77.1 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 169 | 29.2 | 3.2 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 1,720 | 46.4 | 35.8 |
| 2 | Malignant neoplasms | 123 | 21.3 | 2.3 | 2 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 624 | 16.8 | 13.0 |
| 3 | Congenital malformations, deformations and chromosomal abnormalities | 51 | 8.8 | 1.0 | 3 | Intentional self-harm (suicide) | 514 | 13.9 | 10.7 |
| 4 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 23 | 4.0 | 0.4 | 4 | Malignant neoplasms | 216 | 5.8 | 4.5 |
| 5 | Cerebrovascular diseases | 17 | 2.9 | * | 5 | Diseases of heart | 83 | 2.2 | 1.7 |
| 6 | Diseases of heart | 14 | 2.4 | * | 6 | Congenital malformations, deformations and chromosomal abnormalities | 40 | 1.1 | 0.8 |
| 7 | Chronic lower respiratory diseases .. | 12 | 2.1 | * | 7 | Influenza and pneumonia | 28 | 0.8 | 0.6 |
| 8 | Septicemia | 9 | 1.6 | * | 8 | Pregnancy, childbirth and the puerperium | 21 | 0.6 | 0.4 |
| 9 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior | 8 | 1.4 | * | 9 | Chronic lower respiratory diseases .. | 18 | 0.5 | * |
| 10 | Influenza and pneumonia | 7 | 1.2 | * | 10 | Diabetes mellitus | 17 | 0.5 | * |
| ... | All other causes | 145 | 25.1 | 2.8 | ... | All other causes | 424 | 11.4 | 8.8 |
| Hispanic, both sexes, 10–14 years | | | | | Hispanic, both sexes, 25–34 years | | | | |
| ... | All causes | 586 | 100.0 | 11.7 | ... | All causes | 8,195 | 100.0 | 90.4 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 161 | 27.5 | 3.2 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 3,212 | 39.2 | 35.4 |
| 2 | Malignant neoplasms | 103 | 17.6 | 2.1 | 2 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 964 | 11.8 | 10.6 |
| 3 | Intentional self-harm (suicide) | 59 | 10.1 | 1.2 | 3 | Intentional self-harm (suicide) | 901 | 11.0 | 9.9 |
| 4 | Congenital malformations, deformations and chromosomal abnormalities | 36 | 6.1 | 0.7 | 4 | Malignant neoplasms | 706 | 8.6 | 7.8 |
| 5 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 32 | 5.5 | 0.6 | 5 | Diseases of heart | 437 | 5.3 | 4.8 |
| 6 | Diseases of heart | 24 | 4.1 | 0.5 | 6 | Chronic liver disease and cirrhosis | 194 | 2.4 | 2.1 |
| 7 | Cerebrovascular diseases | 12 | 2.0 | * | 7 | Cerebrovascular diseases | 108 | 1.3 | 1.2 |
| 8 | Chronic lower respiratory diseases .. | 10 | 1.7 | * | 8 | Diabetes mellitus | 99 | 1.2 | 1.1 |
| 9 | Septicemia | 9 | 1.5 | * | 9 | Pregnancy, childbirth and the puerperium | 90 | 1.1 | 1.0 |
| 10 | Influenza and pneumonia | 7 | 1.2 | * | 10 | Human immunodeficiency virus (HIV) disease | 82 | 1.0 | 0.9 |
| ... | All other causes | 133 | 22.7 | 2.6 | ... | All other causes | 1,402 | 17.1 | 15.5 |
| Hispanic, both sexes, 15–19 years | | | | | Hispanic, both sexes, 35–44 years | | | | |
| ... | All causes | 2,017 | 100.0 | 42.1 | ... | All causes | 10,272 | 100.0 | 124.5 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 807 | 40.0 | 16.8 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 2,592 | 25.2 | 31.4 |
| 2 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 363 | 18.0 | 7.6 | 2 | Malignant neoplasms | 1,793 | 17.5 | 21.7 |
| 3 | Intentional self-harm (suicide) | 327 | 16.2 | 6.8 | 3 | Diseases of heart | 1,067 | 10.4 | 12.9 |
| 4 | Malignant neoplasms | 154 | 7.6 | 3.2 | 4 | Intentional self-harm (suicide) | 703 | 6.8 | 8.5 |
| 5 | Congenital malformations, deformations and chromosomal abnormalities | 45 | 2.2 | 0.9 | 5 | Chronic liver disease and cirrhosis | 622 | 6.1 | 7.5 |
| 6 | Diseases of heart | 37 | 1.8 | 0.8 | 6 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 576 | 5.6 | 7.0 |
| 7 | Cerebrovascular diseases | 19 | 0.9 | * | 7 | Cerebrovascular diseases | 326 | 3.2 | 4.0 |
| 8 | Chronic lower respiratory diseases .. | 12 | 0.6 | * | 8 | Diabetes mellitus | 268 | 2.6 | 3.2 |
| 9 | Septicemia | 8 | 0.4 | * | 9 | Human immunodeficiency virus (HIV) disease | 141 | 1.4 | 1.7 |
| 9 | Diabetes mellitus | 8 | 0.4 | * | 10 | Influenza and pneumonia | 135 | 1.3 | 1.6 |
| 9 | Pregnancy, childbirth and the puerperium | 8 | 0.4 | * | ... | All other causes | 2,049 | 19.9 | 24.8 |
| ... | All other causes | 229 | 11.4 | 4.8 | ... | | | | |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|--|-----------------------|-------------------------------|------------------------------|---|--|-----------------------|-------------------------------|------------------------------|
| Hispanic, both sexes, 45–54 years | | | | | Hispanic, both sexes, 65–74 years | | | | |
| ... | All causes | 17,753 | 100.0 | 265.6 | ... | All causes | 31,550 | 100.0 | 1,313.9 |
| 1 | Malignant neoplasms (C00–C97) | 4,281 | 24.1 | 64.0 | 1 | Malignant neoplasms (C00–C97) | 9,410 | 29.8 | 391.9 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 2,880 | 16.2 | 43.1 | 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 6,831 | 21.7 | 284.5 |
| 3 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 2,371 | 13.4 | 35.5 | 3 | Diabetes mellitus (E10–E14) | 2,069 | 6.6 | 86.2 |
| 4 | Chronic liver disease and cirrhosis (K70,K73–K74) | 1,428 | 8.0 | 21.4 | 4 | Cerebrovascular diseases (I60–I69) | 1,705 | 5.4 | 71.0 |
| 5 | Diabetes mellitus (E10–E14) | 815 | 4.6 | 12.2 | 5 | Chronic liver disease and cirrhosis (K70,K73–K74) | 1,115 | 3.5 | 46.4 |
| 6 | Cerebrovascular diseases (I60–I69) | 726 | 4.1 | 10.9 | 6 | Chronic lower respiratory diseases (J40–J47) | 989 | 3.1 | 41.2 |
| 7 | Intentional self-harm (suicide) (*U03,X60–X84,Y87.0) | 550 | 3.1 | 8.2 | 7 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 890 | 2.8 | 37.1 |
| 8 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 287 | 1.6 | 4.3 | 8 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 872 | 2.8 | 36.3 |
| 9 | Septicemia (A40–A41) | 284 | 1.6 | 4.2 | 9 | Influenza and pneumonia (J09–J18) | 643 | 2.0 | 26.8 |
| 10 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 273 | 1.5 | 4.1 | 10 | Septicemia (A40–A41) | 569 | 1.8 | 23.7 |
| ... | All other causes (residual) | 3,858 | 21.7 | 57.7 | ... | All other causes (residual) | 6,457 | 20.5 | 268.9 |
| Hispanic, both sexes, 55–64 years | | | | | Hispanic, both sexes, 75–84 years | | | | |
| ... | All causes | 27,587 | 100.0 | 617.2 | ... | All causes | 38,106 | 100.0 | 3,397.2 |
| 1 | Malignant neoplasms (C00–C97) | 8,218 | 29.8 | 183.9 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 9,046 | 23.7 | 806.5 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 5,342 | 19.4 | 119.5 | 2 | Malignant neoplasms (C00–C97) | 8,932 | 23.4 | 796.3 |
| 3 | Chronic liver disease and cirrhosis (K70,K73–K74) | 1,848 | 6.7 | 41.3 | 3 | Cerebrovascular diseases (I60–I69) | 2,651 | 7.0 | 236.3 |
| 4 | Diabetes mellitus (E10–E14) | 1,783 | 6.5 | 39.9 | 4 | Diabetes mellitus (E10–E14) | 2,031 | 5.3 | 181.1 |
| 5 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 1,706 | 6.2 | 38.2 | 5 | Alzheimer's disease (G30) | 1,831 | 4.8 | 163.2 |
| 6 | Cerebrovascular diseases (I60–I69) | 1,200 | 4.3 | 26.8 | 6 | Chronic lower respiratory diseases (J40–J47) | 1,610 | 4.2 | 143.5 |
| 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 604 | 2.2 | 13.5 | 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 984 | 2.6 | 87.7 |
| 8 | Chronic lower respiratory diseases (J40–J47) | 532 | 1.9 | 11.9 | 8 | Influenza and pneumonia (J09–J18) | 899 | 2.4 | 80.1 |
| 9 | Influenza and pneumonia (J09–J18) | 439 | 1.6 | 9.8 | 9 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 810 | 2.1 | 72.2 |
| 10 | Septicemia (A40–A41) | 420 | 1.5 | 9.4 | 10 | Chronic liver disease and cirrhosis (K70,K73–K74) | 709 | 1.9 | 63.2 |
| ... | All other causes (residual) | 5,495 | 19.9 | 122.9 | ... | All other causes (residual) | 8,603 | 22.6 | 767.0 |
| Hispanic, both sexes, 65 years and over | | | | | Hispanic, both sexes, 85 years and over | | | | |
| ... | All causes | 111,932 | 100.0 | 2,820.3 | ... | All causes | 42,276 | 100.0 | 9,481.9 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 27,822 | 24.9 | 701.0 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 11,945 | 28.3 | 2,679.1 |
| 2 | Malignant neoplasms (C00–C97) | 23,560 | 21.0 | 593.6 | 2 | Malignant neoplasms (C00–C97) | 5,218 | 12.3 | 1,170.3 |
| 3 | Cerebrovascular diseases (I60–I69) | 7,827 | 7.0 | 197.2 | 3 | Alzheimer's disease (G30) | 4,493 | 10.6 | 1,007.7 |
| 4 | Alzheimer's disease (G30) | 6,740 | 6.0 | 169.8 | 4 | Cerebrovascular diseases (I60–I69) | 3,471 | 8.2 | 778.5 |
| 5 | Diabetes mellitus (E10–E14) | 5,554 | 5.0 | 139.9 | 5 | Chronic lower respiratory diseases (J40–J47) | 1,803 | 4.3 | 404.4 |
| 6 | Chronic lower respiratory diseases (J40–J47) | 4,402 | 3.9 | 110.9 | 6 | Diabetes mellitus (E10–E14) | 1,454 | 3.4 | 326.1 |
| 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 2,731 | 2.4 | 68.8 | 7 | Influenza and pneumonia (J09–J18) | 1,111 | 2.6 | 249.2 |
| 8 | Influenza and pneumonia (J09–J18) | 2,653 | 2.4 | 66.8 | 8 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 928 | 2.2 | 208.1 |
| 9 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 2,566 | 2.3 | 64.7 | 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 875 | 2.1 | 196.3 |
| 10 | Chronic liver disease and cirrhosis (K70,K73–K74) | 2,038 | 1.8 | 51.4 | 10 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 866 | 2.0 | 194.2 |
| ... | All other causes (residual) | 26,039 | 23.3 | 656.1 | ... | All other causes (residual) | 10,112 | 23.9 | 2,268.0 |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---------------------------------------|--|-----------------------|-------------------------------|------------------------------|-----------------------------|---|-----------------------|-------------------------------|------------------------------|
| Hispanic, male, all ages ⁴ | | | | | Hispanic, male, 10–14 years | | | | |
| ... | All causes | 103,532 | 100.0 | 356.8 | ... | All causes | 328 | 100.0 | 12.8 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 20,945 | 20.2 | 72.2 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 94 | 28.7 | 3.7 |
| 2 | Malignant neoplasms(C00–C97) | 20,504 | 19.8 | 70.7 | 2 | Malignant neoplasms(C00–C97) | 60 | 18.3 | 2.3 |
| 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 11,510 | 11.1 | 39.7 | 3 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 30 | 9.1 | 1.2 |
| 4 | Cerebrovascular diseases (I60–I69) | 4,798 | 4.6 | 16.5 | 4 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 20 | 6.1 | 0.8 |
| 5 | Diabetes mellitus (E10–E14) | 4,603 | 4.4 | 15.9 | 4 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 20 | 6.1 | 0.8 |
| 6 | Chronic liver disease and cirrhosis(K70,K73–K74) | 4,225 | 4.1 | 14.6 | 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 13 | 4.0 | * |
| 7 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 2,944 | 2.8 | 10.1 | 7 | Cerebrovascular diseases (I60–I69) | 8 | 2.4 | * |
| 8 | Chronic lower respiratory diseases .. (J40–J47) | 2,759 | 2.7 | 9.5 | 8 | Septicemia(A40–A41) | 5 | 1.5 | * |
| 9 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 2,657 | 2.6 | 9.2 | 8 | Influenza and pneumonia (J09–J18) | 5 | 1.5 | * |
| 10 | Alzheimer's disease (G30) | 2,151 | 2.1 | 7.4 | 8 | Chronic lower respiratory diseases .. (J40–J47) | 5 | 1.5 | * |
| ... | All other causes (residual) | 26,436 | 25.5 | 91.1 | ... | All other causes (residual) | 68 | 20.7 | 2.7 |
| Hispanic, male, 1–4 years | | | | | Hispanic, male, 15–19 years | | | | |
| ... | All causes | 443 | 100.0 | 21.1 | ... | All causes | 1,447 | 100.0 | 59.1 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 146 | 33.0 | 7.0 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 568 | 39.3 | 23.2 |
| 2 | Malignant neoplasms(C00–C97) | 48 | 10.8 | 2.3 | 2 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 310 | 21.4 | 12.7 |
| 3 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 45 | 10.2 | 2.1 | 3 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 236 | 16.3 | 9.6 |
| 4 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 33 | 7.4 | 1.6 | 4 | Malignant neoplasms(C00–C97) | 103 | 7.1 | 4.2 |
| 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 14 | 3.2 | * | 5 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 28 | 1.9 | 1.1 |
| 6 | Influenza and pneumonia (J09–J18) | 10 | 2.3 | * | 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 26 | 1.8 | 1.1 |
| 7 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48) | 8 | 1.8 | * | 7 | Cerebrovascular diseases (I60–I69) | 12 | 0.8 | * |
| 8 | Cerebrovascular diseases (I60–I69) | 6 | 1.4 | * | 8 | Chronic lower respiratory diseases .. (J40–J47) | 7 | 0.5 | * |
| 9 | Septicemia(A40–A41) | 5 | 1.1 | * | 9 | Diabetes mellitus (E10–E14) | 6 | 0.4 | * |
| 9 | Chronic lower respiratory diseases .. (J40–J47) | 5 | 1.1 | * | 9 | Legal intervention(Y35,Y89.0) | 6 | 0.4 | * |
| 9 | Certain conditions originating in the perinatal period(P00–P96) | 5 | 1.1 | * | ... | All other causes (residual) | 145 | 10.0 | 5.9 |
| ... | All other causes (residual) | 118 | 26.6 | 5.6 | Hispanic, male, 20–24 years | | | | |
| Hispanic, male, 5–9 years | | | | | ... | All causes | 2,857 | 100.0 | 115.0 |
| ... | All causes | 313 | 100.0 | 11.7 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 1,329 | 46.5 | 53.5 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 95 | 30.4 | 3.5 | 2 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 559 | 19.6 | 22.5 |
| 2 | Malignant neoplasms(C00–C97) | 65 | 20.8 | 2.4 | 3 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 429 | 15.0 | 17.3 |
| 3 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 21 | 6.7 | 0.8 | 4 | Malignant neoplasms(C00–C97) | 146 | 5.1 | 5.9 |
| 4 | Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1) | 11 | 3.5 | * | 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 61 | 2.1 | 2.5 |
| 5 | Cerebrovascular diseases (I60–I69) | 10 | 3.2 | * | 6 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 25 | 0.9 | 1.0 |
| 6 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 9 | 2.9 | * | 7 | Influenza and pneumonia (J09–J18) | 18 | 0.6 | * |
| 7 | Septicemia(A40–A41) | 7 | 2.2 | * | 8 | Legal intervention(Y35,Y89.0) | 15 | 0.5 | * |
| 7 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48) | 7 | 2.2 | * | 9 | Diabetes mellitus (E10–E14) | 11 | 0.4 | * |
| 9 | Chronic lower respiratory diseases .. (J40–J47) | 6 | 1.9 | * | 10 | Cerebrovascular diseases (I60–I69) | 10 | 0.4 | * |
| 10 | Anemias (D50–D64) | 3 | 1.0 | * | 10 | Chronic lower respiratory diseases .. (J40–J47) | 10 | 0.4 | * |
| 10 | Influenza and pneumonia (J09–J18) | 3 | 1.0 | * | ... | All other causes (residual) | 244 | 8.5 | 9.8 |
| ... | All other causes (residual) | 76 | 24.3 | 2.8 | | | | | |

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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|-----------------------------|--|-----------------------|-------------------------------|------------------------------|-----------------------------------|--|-----------------------|-------------------------------|------------------------------|
| Hispanic, male, 25-34 years | | | | | Hispanic, male, 55-64 years | | | | |
| ... | All causes | 6,059 | 100.0 | 127.7 | ... | All causes | 17,416 | 100.0 | 804.1 |
| 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 2,558 | 42.2 | 53.9 | 1 | Malignant neoplasms (C00-C97) | 4,475 | 25.7 | 206.6 |
| 2 | Assault (homicide) . . . (*U01-U02,X85-Y09,Y87.1) | 829 | 13.7 | 17.5 | 2 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 3,820 | 21.9 | 176.4 |
| 3 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 740 | 12.2 | 15.6 | 3 | Chronic liver disease and cirrhosis (K70,K73-K74) | 1,363 | 7.8 | 62.9 |
| 4 | Malignant neoplasms (C00-C97) | 344 | 5.7 | 7.2 | 4 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 1,279 | 7.3 | 59.1 |
| 5 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 313 | 5.2 | 6.6 | 5 | Diabetes mellitus (E10-E14) | 1,085 | 6.2 | 50.1 |
| 6 | Chronic liver disease and cirrhosis (K70,K73-K74) | 141 | 2.3 | 3.0 | 6 | Cerebrovascular diseases (I60-I69) | 741 | 4.3 | 34.2 |
| 7 | Human immunodeficiency virus (HIV) disease (B20-B24) | 71 | 1.2 | 1.5 | 7 | Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27) | 357 | 2.0 | 16.5 |
| 8 | Cerebrovascular diseases (I60-I69) | 65 | 1.1 | 1.4 | 8 | Chronic lower respiratory diseases . . (J40-J47) | 296 | 1.7 | 13.7 |
| 9 | Diabetes mellitus (E10-E14) | 58 | 1.0 | 1.2 | 9 | Viral hepatitis (B15-B19) | 282 | 1.6 | 13.0 |
| 10 | Influenza and pneumonia (J09-J18) | 50 | 0.8 | 1.1 | 10 | Influenza and pneumonia (J09-J18) | 281 | 1.6 | 13.0 |
| ... | All other causes (residual) | 890 | 14.7 | 18.8 | ... | All other causes (residual) | 3,437 | 19.7 | 158.7 |
| Hispanic, male, 35-44 years | | | | | Hispanic, male, 65 years and over | | | | |
| ... | All causes | 6,947 | 100.0 | 164.6 | ... | All causes | 53,484 | 100.0 | 3,112.9 |
| 1 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 2,071 | 29.8 | 49.1 | 1 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 13,697 | 25.6 | 797.2 |
| 2 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 795 | 11.4 | 18.8 | 2 | Malignant neoplasms (C00-C97) | 12,489 | 23.4 | 726.9 |
| 3 | Malignant neoplasms (C00-C97) | 716 | 10.3 | 17.0 | 3 | Cerebrovascular diseases (I60-I69) | 3,276 | 6.1 | 190.7 |
| 4 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 570 | 8.2 | 13.5 | 4 | Diabetes mellitus (E10-E14) | 2,763 | 5.2 | 160.8 |
| 5 | Assault (homicide) . . . (*U01-U02,X85-Y09,Y87.1) | 483 | 7.0 | 11.4 | 5 | Chronic lower respiratory diseases . . (J40-J47) | 2,282 | 4.3 | 132.8 |
| 6 | Chronic liver disease and cirrhosis (K70,K73-K74) | 455 | 6.5 | 10.8 | 6 | Alzheimer's disease (G30) | 2,110 | 3.9 | 122.8 |
| 7 | Cerebrovascular diseases (I60-I69) | 209 | 3.0 | 5.0 | 7 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 1,437 | 2.7 | 83.6 |
| 8 | Diabetes mellitus (E10-E14) | 175 | 2.5 | 4.1 | 8 | Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27) | 1,316 | 2.5 | 76.6 |
| 9 | Human immunodeficiency virus (HIV) disease (B20-B24) | 110 | 1.6 | 2.6 | 9 | Influenza and pneumonia (J09-J18) | 1,242 | 2.3 | 72.3 |
| 10 | Influenza and pneumonia (J09-J18) | 92 | 1.3 | 2.2 | 10 | Chronic liver disease and cirrhosis (K70,K73-K74) | 1,174 | 2.2 | 68.3 |
| ... | All other causes (residual) | 1,271 | 18.3 | 30.1 | ... | All other causes (residual) | 11,698 | 21.9 | 680.9 |
| Hispanic, male, 45-54 years | | | | | Hispanic, male, 65-74 years | | | | |
| ... | All causes | 11,551 | 100.0 | 342.5 | ... | All causes | 18,211 | 100.0 | 1,668.9 |
| 1 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 2,162 | 18.7 | 64.1 | 1 | Malignant neoplasms (C00-C97) | 5,224 | 28.7 | 478.7 |
| 2 | Malignant neoplasms (C00-C97) | 2,049 | 17.7 | 60.8 | 2 | Diseases of heart (I00-I09,I11,I13,I20-I51) | 4,336 | 23.8 | 397.4 |
| 3 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 1,833 | 15.9 | 54.4 | 3 | Diabetes mellitus (E10-E14) | 1,175 | 6.5 | 107.7 |
| 4 | Chronic liver disease and cirrhosis (K70,K73-K74) | 1,085 | 9.4 | 32.2 | 4 | Cerebrovascular diseases (I60-I69) | 946 | 5.2 | 86.7 |
| 5 | Diabetes mellitus (E10-E14) | 503 | 4.4 | 14.9 | 5 | Chronic liver disease and cirrhosis (K70,K73-K74) | 723 | 4.0 | 66.3 |
| 6 | Cerebrovascular diseases (I60-I69) | 447 | 3.9 | 13.3 | 6 | Accidents (unintentional injuries)..... (V01-X59,Y85-Y86) | 624 | 3.4 | 57.2 |
| 7 | Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0) | 446 | 3.9 | 13.2 | 7 | Chronic lower respiratory diseases . . (J40-J47) | 575 | 3.2 | 52.7 |
| 8 | Assault (homicide) . . . (*U01-U02,X85-Y09,Y87.1) | 226 | 2.0 | 6.7 | 8 | Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27) | 450 | 2.5 | 41.2 |
| 9 | Human immunodeficiency virus (HIV) disease (B20-B24) | 213 | 1.8 | 6.3 | 9 | Influenza and pneumonia (J09-J18) | 360 | 2.0 | 33.0 |
| 10 | Septicemia (A40-A41) | 182 | 1.6 | 5.4 | 10 | Septicemia (A40-A41) | 294 | 1.6 | 26.9 |
| ... | All other causes (residual) | 2,405 | 20.8 | 71.3 | ... | All other causes (residual) | 3,504 | 19.2 | 321.1 |

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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 Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|---|--|-----------------------|-------------------------------|------------------------------|-----------------------------|--|-----------------------|-------------------------------|------------------------------|
| Hispanic, male, 75–84 years | | | | | Hispanic, female, 1–4 years | | | | |
| ... | All causes | 18,848 | 100.0 | 4,054.0 | ... | All causes | 356 | 100.0 | 17.6 |
| 1 | Malignant neoplasms (C00–C97) | 4,725 | 25.1 | 1,016.3 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 87 | 24.4 | 4.3 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 4,634 | 24.6 | 996.7 | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 54 | 15.2 | 2.7 |
| 3 | Cerebrovascular diseases (I60–I69) | 1,195 | 6.3 | 257.0 | 3 | Malignant neoplasms (C00–C97) | 41 | 11.5 | 2.0 |
| 4 | Diabetes mellitus (E10–E14) | 988 | 5.2 | 212.5 | 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 29 | 8.1 | 1.4 |
| 5 | Chronic lower respiratory diseases .. (J40–J47) | 881 | 4.7 | 189.5 | 5 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 13 | 3.7 | * |
| 6 | Alzheimer's disease (G30) | 686 | 3.6 | 147.5 | 6 | Septicemia (A40–A41) | 9 | 2.5 | * |
| 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 484 | 2.6 | 104.1 | 7 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48) | 8 | 2.2 | * |
| 8 | Influenza and pneumonia (J09–J18) | 440 | 2.3 | 94.6 | 8 | Certain conditions originating in the perinatal period (P00–P96) | 7 | 2.0 | * |
| 9 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 416 | 2.2 | 89.5 | 9 | Influenza and pneumonia (J09–J18) | 6 | 1.7 | * |
| 10 | Parkinson's disease (G20–G21) | 401 | 2.1 | 86.2 | 10 | Anemias (D50–D64) | 3 | 0.8 | * |
| ... | All other causes (residual) | 3,998 | 21.2 | 859.9 | 10 | Chronic lower respiratory diseases .. (J40–J47) | 3 | 0.8 | * |
| Hispanic, male, 85 years and over | | | | | ... | All other causes (residual) | 96 | 27.0 | 4.7 |
| ... | All causes | 16,425 | 100.0 | 10,139.3 | Hispanic, female, 5–9 years | | | | |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 4,727 | 28.8 | 2,918.0 | ... | All causes | 265 | 100.0 | 10.2 |
| 2 | Malignant neoplasms (C00–C97) | 2,540 | 15.5 | 1,568.0 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 74 | 27.9 | 2.9 |
| 3 | Alzheimer's disease (G30) | 1,232 | 7.5 | 760.5 | 2 | Malignant neoplasms (C00–C97) | 58 | 21.9 | 2.2 |
| 4 | Cerebrovascular diseases (I60–I69) | 1,135 | 6.9 | 700.6 | 3 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 30 | 11.3 | 1.2 |
| 5 | Chronic lower respiratory diseases .. (J40–J47) | 826 | 5.0 | 509.9 | 4 | Assault (homicide) (*U01–*U02,X85–Y09,Y87.1) | 12 | 4.5 | * |
| 6 | Diabetes mellitus (E10–E14) | 600 | 3.7 | 370.4 | 5 | Cerebrovascular diseases (I60–I69) | 7 | 2.6 | * |
| 7 | Influenza and pneumonia (J09–J18) | 442 | 2.7 | 272.8 | 6 | Chronic lower respiratory diseases .. (J40–J47) | 6 | 2.3 | * |
| 8 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 397 | 2.4 | 245.1 | 7 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 5 | 1.9 | * |
| 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 382 | 2.3 | 235.8 | 8 | Influenza and pneumonia (J09–J18) | 4 | 1.5 | * |
| 10 | Parkinson's disease (G20–G21) | 348 | 2.1 | 214.8 | 9 | Septicemia (A40–A41) | 2 | 0.8 | * |
| ... | All other causes (residual) | 3,796 | 23.1 | 2,343.3 | 10 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48) | 1 | 0.4 | * |
| Hispanic, female, all ages ⁴ | | | | | 10 | Nutritional deficiencies (E40–E64) | 1 | 0.4 | * |
| ... | All causes | 84,722 | 100.0 | 297.7 | 10 | Meningitis (G00,G03) | 1 | 0.4 | * |
| 1 | Malignant neoplasms (C00–C97) | 18,759 | 22.1 | 65.9 | 10 | Pneumonitis due to solids and liquids (J69) | 1 | 0.4 | * |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 16,854 | 19.9 | 59.2 | 10 | Diseases of appendix (K35–K38) | 1 | 0.4 | * |
| 3 | Cerebrovascular diseases (I60–I69) | 5,485 | 6.5 | 19.3 | 10 | Certain conditions originating in the perinatal period (P00–P96) | 1 | 0.4 | * |
| 4 | Alzheimer's disease (G30) | 4,682 | 5.5 | 16.5 | ... | All other causes (residual) | 61 | 23.0 | 2.4 |
| 5 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 4,201 | 5.0 | 14.8 | | | | | |
| 6 | Diabetes mellitus (E10–E14) | 3,943 | 4.7 | 13.9 | | | | | |
| 7 | Chronic lower respiratory diseases .. (J40–J47) | 2,528 | 3.0 | 8.9 | | | | | |
| 8 | Chronic liver disease and cirrhosis (K70,K73–K74) | 1,916 | 2.3 | 6.7 | | | | | |
| 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 1,844 | 2.2 | 6.5 | | | | | |
| 10 | Influenza and pneumonia (J09–J18) | 1,764 | 2.1 | 6.2 | | | | | |
| ... | All other causes (residual) | 22,746 | 26.8 | 79.9 | | | | | |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|-------------------------------|---|-----------------------|-------------------------------|------------------------------|-------------------------------|--|-----------------------|-------------------------------|------------------------------|
| Hispanic, female, 10–14 years | | | | | Hispanic, female, 25–34 years | | | | |
| ... | All causes | 258 | 100.0 | 10.5 | ... | All causes | 2,136 | 100.0 | 49.4 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 67 | 26.0 | 2.7 | 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 654 | 30.6 | 15.1 |
| 2 | Malignant neoplasms(C00–C97) | 43 | 16.7 | 1.7 | 2 | Malignant neoplasms(C00–C97) | 362 | 16.9 | 8.4 |
| 3 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 29 | 11.2 | 1.2 | 3 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 161 | 7.5 | 3.7 |
| 4 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 16 | 6.2 | * | 4 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 135 | 6.3 | 3.1 |
| 5 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 12 | 4.7 | * | 5 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 124 | 5.8 | 2.9 |
| 6 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 11 | 4.3 | * | 6 | Pregnancy, childbirth and the puerperium (O00–O99) | 90 | 4.2 | 2.1 |
| 7 | Chronic lower respiratory diseases . . (J40–J47) | 5 | 1.9 | * | 7 | Chronic liver disease and cirrhosis(K70,K73–K74) | 53 | 2.5 | 1.2 |
| 8 | Septicemia(A40–A41) | 4 | 1.6 | * | 8 | Cerebrovascular diseases (I60–I69) | 43 | 2.0 | 1.0 |
| 8 | Anemias (D50–D64) | 4 | 1.6 | * | 9 | Diabetes mellitus(E10–E14) | 41 | 1.9 | 0.9 |
| 8 | Cerebrovascular diseases (I60–I69) | 4 | 1.6 | * | 10 | Septicemia(A40–A41) | 31 | 1.5 | 0.7 |
| ... | All other causes (residual) | 63 | 24.4 | 2.6 | ... | All other causes (residual) | 442 | 20.7 | 10.2 |
| Hispanic, female, 15–19 years | | | | | Hispanic, female, 35–44 years | | | | |
| ... | All causes | 570 | 100.0 | 24.3 | ... | All causes | 3,325 | 100.0 | 82.6 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 239 | 41.9 | 10.2 | 1 | Malignant neoplasms(C00–C97) | 1,077 | 32.4 | 26.7 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 91 | 16.0 | 3.9 | 2 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 521 | 15.7 | 12.9 |
| 3 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 53 | 9.3 | 2.3 | 3 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 272 | 8.2 | 6.8 |
| 4 | Malignant neoplasms(C00–C97) | 51 | 8.9 | 2.2 | 4 | Chronic liver disease and cirrhosis(K70,K73–K74) | 167 | 5.0 | 4.1 |
| 5 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 17 | 3.0 | * | 5 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 133 | 4.0 | 3.3 |
| 6 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 11 | 1.9 | * | 6 | Cerebrovascular diseases (I60–I69) | 117 | 3.5 | 2.9 |
| 7 | Pregnancy, childbirth and the puerperium (O00–O99) | 8 | 1.4 | * | 7 | Diabetes mellitus(E10–E14) | 93 | 2.8 | 2.3 |
| 8 | Cerebrovascular diseases (I60–I69) | 7 | 1.2 | * | 7 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 93 | 2.8 | 2.3 |
| 9 | Septicemia(A40–A41) | 5 | 0.9 | * | 9 | Pregnancy, childbirth and the puerperium (O00–O99) | 53 | 1.6 | 1.3 |
| 9 | Chronic lower respiratory diseases . . (J40–J47) | 5 | 0.9 | * | 10 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27) | 49 | 1.5 | 1.2 |
| ... | All other causes (residual) | 83 | 14.6 | 3.5 | ... | All other causes (residual) | 750 | 22.6 | 18.6 |
| Hispanic, female, 20–24 years | | | | | Hispanic, female, 45–54 years | | | | |
| ... | All causes | 848 | 100.0 | 36.6 | ... | All causes | 6,202 | 100.0 | 187.2 |
| 1 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 391 | 46.1 | 16.9 | 1 | Malignant neoplasms(C00–C97) | 2,232 | 36.0 | 67.4 |
| 2 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 85 | 10.0 | 3.7 | 2 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 718 | 11.6 | 21.7 |
| 3 | Malignant neoplasms(C00–C97) | 70 | 8.3 | 3.0 | 3 | Accidents (unintentional injuries)..... (V01–X59,Y85–Y86) | 538 | 8.7 | 16.2 |
| 4 | Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1) | 65 | 7.7 | 2.8 | 4 | Chronic liver disease and cirrhosis(K70,K73–K74) | 343 | 5.5 | 10.4 |
| 5 | Diseases of heart . . . (I00–I09,I11,I13,I20–I51) | 22 | 2.6 | 0.9 | 5 | Diabetes mellitus(E10–E14) | 312 | 5.0 | 9.4 |
| 6 | Pregnancy, childbirth and the puerperium (O00–O99) | 21 | 2.5 | 0.9 | 6 | Cerebrovascular diseases (I60–I69) | 279 | 4.5 | 8.4 |
| 7 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 15 | 1.8 | * | 7 | Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0) | 104 | 1.7 | 3.1 |
| 8 | Influenza and pneumonia (J09–J18) | 10 | 1.2 | * | 8 | Septicemia(A40–A41) | 102 | 1.6 | 3.1 |
| 9 | Chronic lower respiratory diseases . . (J40–J47) | 8 | 0.9 | * | 8 | Nephritis, nephrotic syndrome and nephrosis . . . (N00–N07,N17–N19,N25–N27) | 102 | 1.6 | 3.1 |
| 10 | Diabetes mellitus(E10–E14) | 6 | 0.7 | * | 10 | Chronic lower respiratory diseases . . (J40–J47) | 96 | 1.5 | 2.9 |
| ... | All other causes (residual) | 155 | 18.3 | 6.7 | ... | All other causes (residual) | 1,376 | 22.2 | 41.5 |

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are per 100,000 population 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 by race; data for non-Hispanic persons are tabulated by race. Data for racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of misreporting of Hispanic origin and race on the death certificate. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} | Rank ¹ | Cause of death (based on ICD-10), race and Hispanic origin, sex, and age | Number ^{2,3} | Percent of total deaths | Death rate ^{2,3} |
|-------------------------------------|--|-----------------------|-------------------------------|------------------------------|-------------------------------------|--|-----------------------|-------------------------------|------------------------------|
| Hispanic, female, 55–64 years | | | | | Hispanic, female, 75–84 years | | | | |
| ... | All causes | 10,171 | 100.0 | 441.5 | ... | All causes | 19,258 | 100.0 | 2,932.3 |
| 1 | Malignant neoplasms (C00–C97) | 3,743 | 36.8 | 162.5 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 4,412 | 22.9 | 671.8 |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 1,522 | 15.0 | 66.1 | 2 | Malignant neoplasms (C00–C97) | 4,207 | 21.8 | 640.6 |
| 3 | Diabetes mellitus (E10–E14) | 698 | 6.9 | 30.3 | 3 | Cerebrovascular diseases (I60–I69) | 1,456 | 7.6 | 221.7 |
| 4 | Chronic liver disease and cirrhosis (K70,K73–K74) | 485 | 4.8 | 21.1 | 4 | Alzheimer's disease (G30) | 1,145 | 5.9 | 174.3 |
| 5 | Cerebrovascular diseases (I60–I69) | 459 | 4.5 | 19.9 | 5 | Diabetes mellitus (E10–E14) | 1,043 | 5.4 | 158.8 |
| 6 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 427 | 4.2 | 18.5 | 6 | Chronic lower respiratory diseases (J40–J47) | 729 | 3.8 | 111.0 |
| 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 247 | 2.4 | 10.7 | 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 500 | 2.6 | 76.1 |
| 8 | Chronic lower respiratory diseases (J40–J47) | 236 | 2.3 | 10.2 | 8 | Influenza and pneumonia (J09–J18) | 459 | 2.4 | 69.9 |
| 9 | Septicemia (A40–A41) | 159 | 1.6 | 6.9 | 9 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 394 | 2.0 | 60.0 |
| 10 | Influenza and pneumonia (J09–J18) | 158 | 1.6 | 6.9 | 10 | Septicemia (A40–A41) | 357 | 1.9 | 54.4 |
| ... | All other causes (residual) | 2,037 | 20.0 | 88.4 | ... | All other causes (residual) | 4,556 | 23.7 | 693.7 |
| Hispanic, female, 65 years and over | | | | | Hispanic, female, 85 years and over | | | | |
| ... | All causes | 58,448 | 100.0 | 2,597.0 | ... | All causes | 25,851 | 100.0 | 9,106.8 |
| 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 14,125 | 24.2 | 627.6 | 1 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 7,218 | 27.9 | 2,542.8 |
| 2 | Malignant neoplasms (C00–C97) | 11,071 | 18.9 | 491.9 | 2 | Alzheimer's disease (G30) | 3,261 | 12.6 | 1,148.8 |
| 3 | Alzheimer's disease (G30) | 4,630 | 7.9 | 205.7 | 3 | Malignant neoplasms (C00–C97) | 2,678 | 10.4 | 943.4 |
| 4 | Cerebrovascular diseases (I60–I69) | 4,551 | 7.8 | 202.2 | 4 | Cerebrovascular diseases (I60–I69) | 2,336 | 9.0 | 822.9 |
| 5 | Diabetes mellitus (E10–E14) | 2,791 | 4.8 | 124.0 | 5 | Chronic lower respiratory diseases (J40–J47) | 977 | 3.8 | 344.2 |
| 6 | Chronic lower respiratory diseases (J40–J47) | 2,120 | 3.6 | 94.2 | 6 | Diabetes mellitus (E10–E14) | 854 | 3.3 | 300.8 |
| 7 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 1,415 | 2.4 | 62.9 | 7 | Influenza and pneumonia (J09–J18) | 669 | 2.6 | 235.7 |
| 8 | Influenza and pneumonia (J09–J18) | 1,411 | 2.4 | 62.7 | 8 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 592 | 2.3 | 208.5 |
| 9 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 1,129 | 1.9 | 50.2 | 9 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 493 | 1.9 | 173.7 |
| 10 | Essential hypertension and hypertensive renal disease (I10,I12,I15) | 1,073 | 1.8 | 47.7 | 10 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 469 | 1.8 | 165.2 |
| ... | All other causes (residual) | 14,132 | 24.2 | 627.9 | ... | All other causes (residual) | 6,304 | 24.4 | 2,220.8 |
| Hispanic, female, 65–74 years | | | | | | | | | |
| ... | All causes | 13,339 | 100.0 | 1,018.2 | | | | | |
| 1 | Malignant neoplasms (C00–C97) | 4,186 | 31.4 | 319.5 | | | | | |
| 2 | Diseases of heart (I00–I09,I11,I13,I20–I51) | 2,495 | 18.7 | 190.5 | | | | | |
| 3 | Diabetes mellitus (E10–E14) | 894 | 6.7 | 68.2 | | | | | |
| 4 | Cerebrovascular diseases (I60–I69) | 759 | 5.7 | 57.9 | | | | | |
| 5 | Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27) | 422 | 3.2 | 32.2 | | | | | |
| 6 | Chronic lower respiratory diseases (J40–J47) | 414 | 3.1 | 31.6 | | | | | |
| 7 | Chronic liver disease and cirrhosis (K70,K73–K74) | 392 | 2.9 | 29.9 | | | | | |
| 8 | Influenza and pneumonia (J09–J18) | 283 | 2.1 | 21.6 | | | | | |
| 9 | Septicemia (A40–A41) | 275 | 2.1 | 21.0 | | | | | |
| 10 | Accidents (unintentional injuries) (V01–X59,Y85–Y86) | 266 | 2.0 | 20.3 | | | | | |
| ... | All other causes (residual) | 2,953 | 22.1 | 225.4 | | | | | |

... Category not applicable.

* Figure does not meet standards of reliability or precision.

¹Based on number of deaths.

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

³Figures for origin not stated are included in "all races and origins" but not distributed among race and Hispanic-origin groups.

⁴Includes deaths for "under 1 year."

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 2. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2016

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days through 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 racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total deaths | Mortality rate ² | Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total deaths | Mortality rate ² |
|--|--|---------------------|-------------------------------|--------------------------------|---|--|---------------------|-------------------------------|--------------------------------|
| Infants, all races and origins, both sexes | | | | | Infants, non-Hispanic white, both sexes | | | | |
| ... | All causes | 23,161 | 100.0 | 587.0 | ... | All causes | 10,046 | 100.0 | 479.7 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 4,816 | 20.8 | 122.1 | 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 2,375 | 23.6 | 113.4 |
| 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 3,927 | 17.0 | 99.5 | 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 1,388 | 13.8 | 66.3 |
| 3 | Sudden infant death syndrome (R95) | 1,500 | 6.5 | 38.0 | 3 | Sudden infant death syndrome (R95) | 757 | 7.5 | 36.1 |
| 4 | Newborn affected by maternal complications of pregnancy (P01) | 1,402 | 6.1 | 35.5 | 4 | Accidents (unintentional injuries) (V01-X59) | 589 | 5.9 | 28.1 |
| 5 | Accidents (unintentional injuries) (V01-X59) | 1,219 | 5.3 | 30.9 | 5 | Newborn affected by maternal complications of pregnancy (P01) | 516 | 5.1 | 24.6 |
| 6 | Newborn affected by complications of placenta, cord and membranes (P02) | 841 | 3.6 | 21.3 | 6 | Newborn affected by complications of placenta, cord and membranes (P02) | 344 | 3.4 | 16.4 |
| 7 | Bacterial sepsis of newborn (P36) | 583 | 2.5 | 14.8 | 7 | Bacterial sepsis of newborn (P36) | 215 | 2.1 | 10.3 |
| 8 | Respiratory distress of newborn (P22) | 488 | 2.1 | 12.4 | 8 | Diseases of the circulatory system ... (I00-I99) | 211 | 2.1 | 10.1 |
| 9 | Diseases of the circulatory system ... (I00-I99) | 460 | 2.0 | 11.7 | 9 | Respiratory distress of newborn (P22) | 206 | 2.1 | 9.8 |
| 10 | Neonatal hemorrhage (P50-P52,P54) | 398 | 1.7 | 10.1 | 10 | Neonatal hemorrhage (P50-P52,P54) | 184 | 1.8 | 8.8 |
| ... | All other causes (residual) | 7,527 | 32.5 | 190.8 | ... | All other causes (residual) | 3,261 | 32.5 | 155.7 |
| Infants, all races and origins, male | | | | | Infants, non-Hispanic white, male | | | | |
| ... | All causes | 12,867 | 100.0 | 637.6 | ... | All causes | 5,622 | 100.0 | 523.5 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 2,542 | 19.8 | 126.0 | 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 1,278 | 22.7 | 119.0 |
| 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 2,271 | 17.6 | 112.5 | 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 811 | 14.4 | 75.5 |
| 3 | Sudden infant death syndrome (R95) | 874 | 6.8 | 43.3 | 3 | Sudden infant death syndrome (R95) | 451 | 8.0 | 42.0 |
| 4 | Newborn affected by maternal complications of pregnancy (P01) | 782 | 6.1 | 38.7 | 4 | Accidents (unintentional injuries) (V01-X59) | 352 | 6.3 | 32.8 |
| 5 | Accidents (unintentional injuries) (V01-X59) | 706 | 5.5 | 35.0 | 5 | Newborn affected by maternal complications of pregnancy (P01) | 287 | 5.1 | 26.7 |
| 6 | Newborn affected by complications of placenta, cord and membranes (P02) | 465 | 3.6 | 23.0 | 6 | Newborn affected by complications of placenta, cord and membranes (P02) | 200 | 3.6 | 18.6 |
| 7 | Bacterial sepsis of newborn (P36) | 310 | 2.4 | 15.4 | 7 | Bacterial sepsis of newborn (P36) | 117 | 2.1 | 10.9 |
| 8 | Respiratory distress of newborn (P22) | 267 | 2.1 | 13.2 | 8 | Neonatal hemorrhage (P50-P52,P54) | 115 | 2.0 | 10.7 |
| 9 | Diseases of the circulatory system ... (I00-I99) | 244 | 1.9 | 12.1 | 9 | Diseases of the circulatory system ... (I00-I99) | 112 | 2.0 | 10.4 |
| 10 | Neonatal hemorrhage (P50-P52,P54) | 240 | 1.9 | 11.9 | 10 | Respiratory distress of newborn (P22) | 106 | 1.9 | 9.9 |
| ... | All other causes (residual) | 4,166 | 32.4 | 206.4 | ... | All other causes (residual) | 1,793 | 31.9 | 167.0 |
| Infants, all races and origins, female | | | | | Infants, non-Hispanic white, female | | | | |
| ... | All causes | 10,294 | 100.0 | 534.0 | ... | All causes | 4,424 | 100.0 | 433.6 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 2,274 | 22.1 | 118.0 | 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 1,097 | 24.8 | 107.5 |
| 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 1,656 | 16.1 | 85.9 | 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 577 | 13.0 | 56.6 |
| 3 | Sudden infant death syndrome (R95) | 626 | 6.1 | 32.5 | 3 | Sudden infant death syndrome (R95) | 306 | 6.9 | 30.0 |
| 4 | Newborn affected by maternal complications of pregnancy (P01) | 620 | 6.0 | 32.2 | 4 | Accidents (unintentional injuries) (V01-X59) | 237 | 5.4 | 23.2 |
| 5 | Accidents (unintentional injuries) (V01-X59) | 513 | 5.0 | 26.6 | 5 | Newborn affected by maternal complications of pregnancy (P01) | 229 | 5.2 | 22.4 |
| 6 | Newborn affected by complications of placenta, cord and membranes (P02) | 376 | 3.7 | 19.5 | 6 | Newborn affected by complications of placenta, cord and membranes (P02) | 144 | 3.3 | 14.1 |
| 7 | Bacterial sepsis of newborn (P36) | 273 | 2.7 | 14.2 | 7 | Respiratory distress of newborn (P22) | 100 | 2.3 | 9.8 |
| 8 | Respiratory distress of newborn (P22) | 221 | 2.1 | 11.5 | 8 | Diseases of the circulatory system ... (I00-I99) | 99 | 2.2 | 9.7 |
| 9 | Diseases of the circulatory system ... (I00-I99) | 216 | 2.1 | 11.2 | 9 | Bacterial sepsis of newborn (P36) | 98 | 2.2 | 9.6 |
| 10 | Necrotizing enterocolitis of newborn (P77) | 170 | 1.7 | 8.8 | 10 | Neonatal hemorrhage (P50-P52,P54) | 69 | 1.6 | 6.8 |
| ... | All other causes (residual) | 3,349 | 32.5 | 173.7 | ... | All other causes (residual) | 1,468 | 33.2 | 143.9 |

Table 2. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days through 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 racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total deaths | Mortality rate ² | Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total deaths | Mortality rate ² |
|--|---|---------------------|-------------------------------|--------------------------------|---|---|---------------------|-------------------------------|--------------------------------|
| Infants, non-Hispanic black, both sexes | | | | | Infants, non-Hispanic American Indian or Alaska Native, both sexes | | | | |
| ... | All causes | 6,863 | 100.0 | 1,175.6 | ... | All causes | 310 | 100.0 | 856.0 |
| 1 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 1,504 | 21.9 | 257.6 | 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 66 | 21.3 | 182.3 |
| 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 944 | 13.8 | 161.7 | 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 41 | 13.2 | 113.2 |
| 3 | Sudden infant death syndrome (R95) | 490 | 7.1 | 83.9 | 3 | Sudden infant death syndrome (R95) | 36 | 11.6 | 99.4 |
| 4 | Newborn affected by maternal complications of pregnancy (P01) | 470 | 6.8 | 80.5 | 4 | Accidents (unintentional injuries) (V01-X59) | 21 | 6.8 | 58.0 |
| 5 | Accidents (unintentional injuries) (V01-X59) | 416 | 6.1 | 71.3 | 5 | Newborn affected by complications of placenta, cord and membranes (P02) | 20 | 6.5 | 55.2 |
| 6 | Newborn affected by complications of placenta, cord and membranes (P02) | 256 | 3.7 | 43.9 | 6 | Newborn affected by maternal complications of pregnancy (P01) | 12 | 3.9 | * |
| 7 | Bacterial sepsis of newborn (P36) | 205 | 3.0 | 35.1 | 7 | Assault (homicide) (*U01.X85-Y09) | 5 | 1.6 | * |
| 8 | Respiratory distress of newborn (P22) | 154 | 2.2 | 26.4 | 8 | Respiratory distress of newborn (P22) | 4 | 1.3 | * |
| 9 | Diseases of the circulatory system ... (I00-I99) | 129 | 1.9 | 22.1 | 9 | Diarrhea and gastroenteritis of infectious origin (A09) | 3 | 1.0 | * |
| 10 | Necrotizing enterocolitis of newborn (P77) | 128 | 1.9 | 21.9 | 9 | Septicemia (A40-A41) | 3 | 1.0 | * |
| ... | All other causes (residual) | 2,167 | 31.6 | 371.2 | 9 | Anoxic brain damage, not elsewhere classified (G93.1) | 3 | 1.0 | * |
| Infants, non-Hispanic black, male | | | | | 9 | Atelectasis (P28.0-P28.1) | 3 | 1.0 | * |
| ... | All causes | 3,746 | 100.0 | 1,266.7 | ... | All other causes (residual) | 93 | 30.0 | 256.8 |
| 1 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 870 | 23.2 | 294.2 | Infants, non-Hispanic American Indian or Alaska Native, male | | | | |
| 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 494 | 13.2 | 167.1 | ... | All causes | 181 | 100.0 | 985.2 |
| 3 | Sudden infant death syndrome (R95) | 260 | 6.9 | 87.9 | 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 29 | 16.0 | 157.8 |
| 4 | Newborn affected by maternal complications of pregnancy (P01) | 259 | 6.9 | 87.6 | 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 26 | 14.4 | 141.5 |
| 5 | Accidents (unintentional injuries) (V01-X59) | 230 | 6.1 | 77.8 | 3 | Sudden infant death syndrome (R95) | 23 | 12.7 | 125.2 |
| 6 | Newborn affected by complications of placenta, cord and membranes (P02) | 129 | 3.4 | 43.6 | 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 13 | 7.2 | * |
| 7 | Bacterial sepsis of newborn (P36) | 98 | 2.6 | 33.1 | 4 | Accidents (unintentional injuries) (V01-X59) | 13 | 7.2 | * |
| 8 | Respiratory distress of newborn (P22) | 84 | 2.2 | 28.4 | 6 | Newborn affected by maternal complications of pregnancy (P01) | 7 | 3.9 | * |
| 9 | Necrotizing enterocolitis of newborn (P77) | 67 | 1.8 | 22.7 | 7 | Diarrhea and gastroenteritis of infectious origin (A09) | 3 | 1.7 | * |
| 10 | Diseases of the circulatory system ... (I00-I99) | 64 | 1.7 | 21.6 | 7 | Respiratory distress of newborn (P22) | 3 | 1.7 | * |
| ... | All other causes (residual) | 1,191 | 31.8 | 402.7 | 9 | Anoxic brain damage, not elsewhere classified (G93.1) | 2 | 1.1 | * |
| Infants, non-Hispanic black, female | | | | | 9 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 2 | 1.1 | * |
| ... | All causes | 3,117 | 100.0 | 1,082.0 | 9 | Pulmonary hemorrhage originating in the perinatal period (P26) | 2 | 1.1 | * |
| 1 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 634 | 20.3 | 220.1 | 9 | Necrotizing enterocolitis of newborn (P77) | 2 | 1.1 | * |
| 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 450 | 14.4 | 156.2 | 9 | Hydrops fetalis not due to hemolytic disease (P83.2) | 2 | 1.1 | * |
| 3 | Sudden infant death syndrome (R95) | 230 | 7.4 | 79.8 | 9 | Assault (homicide) (*U01.X85-Y09) | 2 | 1.1 | * |
| 4 | Newborn affected by maternal complications of pregnancy (P01) | 211 | 6.8 | 73.2 | ... | All other causes (residual) | 52 | 28.7 | 283.0 |
| 5 | Accidents (unintentional injuries) (V01-X59) | 186 | 6.0 | 64.6 | | | | | |
| 6 | Newborn affected by complications of placenta, cord and membranes (P02) | 127 | 4.1 | 44.1 | | | | | |
| 7 | Bacterial sepsis of newborn (P36) | 107 | 3.4 | 37.1 | | | | | |
| 8 | Respiratory distress of newborn (P22) | 70 | 2.2 | 24.3 | | | | | |
| 9 | Diseases of the circulatory system ... (I00-I99) | 65 | 2.1 | 22.6 | | | | | |
| 10 | Necrotizing enterocolitis of newborn (P77) | 61 | 2.0 | 21.2 | | | | | |
| ... | All other causes (residual) | 976 | 31.3 | 338.8 | | | | | |

See footnotes at end of table.

Table 2. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days through 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 racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total Mortality deaths rate ² | | Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total Mortality deaths rate ² | |
|--|---|---------------------|---|-------|---|---|---------------------|---|-------|
| Infants, non-Hispanic American Indian or Alaska Native, female | | | | | Infants, non-Hispanic Asian or Pacific Islander, male | | | | |
| ... | All causes | 129 | 100.0 | 723.1 | ... | All causes | 531 | 100.0 | 370.8 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 37 | 28.7 | 207.4 | 1 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 100 | 18.8 | 69.8 |
| 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 15 | 11.6 | * | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 94 | 17.7 | 65.6 |
| 3 | Sudden infant death syndrome (R95) | 13 | 10.1 | * | 3 | Newborn affected by maternal complications of pregnancy | 34 | 6.4 | 23.7 |
| 4 | Accidents (unintentional injuries).....(V01-X59) | 8 | 6.2 | * | 4 | Newborn affected by complications of placenta, cord and membranes | 26 | 4.9 | 18.2 |
| 5 | Newborn affected by complications of placenta, cord and membranes | 7 | 5.4 | * | 5 | Bacterial sepsis of newborn | 20 | 3.8 | 14.0 |
| 6 | Newborn affected by maternal complications of pregnancy | 5 | 3.9 | * | 6 | Sudden infant death syndrome (R95) | 18 | 3.4 | * |
| 7 | Assault (homicide).....(*U01,X85-Y09) | 3 | 2.3 | * | 7 | Respiratory distress of newborn (P22) | 15 | 2.8 | * |
| 8 | Septicemia(A40-A41) | 2 | 1.6 | * | 8 | Diseases of the circulatory system.... (I00-I99) | 14 | 2.6 | * |
| 8 | Meningitis.....(G00,G03) | 2 | 1.6 | * | 9 | Intrauterine hypoxia and birth asphyxia.....(P20-P21) | 13 | 2.4 | * |
| 8 | Newborn affected by other maternal conditions which may be unrelated to present pregnancy | 2 | 1.6 | * | 9 | Accidents (unintentional injuries).....(V01-X59) | 13 | 2.4 | * |
| 8 | Atelectasis.....(P28.0-P28.1) | 2 | 1.6 | * | ... | All other causes | 184 | 34.7 | 128.5 |
| ... | All other causes | 33 | 25.6 | 185.0 | Infants, non-Hispanic Asian or Pacific Islander, female | | | | |
| Infants, non-Hispanic Asian or Pacific Islander, both sexes | | | | | ... | All causes | 398 | 100.0 | 297.3 |
| ... | All causes | 929 | 100.0 | 335.3 | 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 86 | 21.6 | 64.2 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 180 | 19.4 | 65.0 | 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 62 | 15.6 | 46.3 |
| 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 162 | 17.4 | 58.5 | 3 | Newborn affected by maternal complications of pregnancy | 28 | 7.0 | 20.9 |
| 3 | Newborn affected by maternal complications of pregnancy | 62 | 6.7 | 22.4 | 4 | Sudden infant death syndrome (R95) | 17 | 4.3 | * |
| 4 | Newborn affected by complications of placenta, cord and membranes | 40 | 4.3 | 14.4 | 5 | Newborn affected by complications of placenta, cord and membranes | 14 | 3.5 | * |
| 5 | Sudden infant death syndrome (R95) | 35 | 3.8 | 12.6 | 6 | Respiratory distress of newborn (P22) | 13 | 3.3 | * |
| 6 | Respiratory distress of newborn (P22) | 28 | 3.0 | 10.1 | 7 | Intrauterine hypoxia and birth asphyxia.....(P20-P21) | 12 | 3.0 | * |
| 7 | Intrauterine hypoxia and birth asphyxia.....(P20-P21) | 25 | 2.7 | 9.0 | 8 | Neonatal hemorrhage.....(P50-P52,P54) | 11 | 2.8 | * |
| 7 | Bacterial sepsis of newborn.....(P36) | 25 | 2.7 | 9.0 | 9 | Necrotizing enterocolitis of newborn (P77) | 9 | 2.3 | * |
| 9 | Accidents (unintentional injuries).....(V01-X59) | 22 | 2.4 | 7.9 | 9 | Accidents (unintentional injuries).....(V01-X59) | 9 | 2.3 | * |
| 10 | Diseases of the circulatory system.... (I00-I99) | 20 | 2.2 | 7.2 | ... | All other causes (residual) | 137 | 34.4 | 102.3 |
| 10 | Neonatal hemorrhage(P50-P52,P54) | 20 | 2.2 | 7.2 | | | | | |
| ... | All other causes | 310 | 33.4 | 111.9 | | | | | |

Table 2. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days through 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 racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total deaths | Mortality rate ² | Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total deaths | Mortality rate ² |
|-------------------------------|--|---------------------|-------------------------------|--------------------------------|---|--|---------------------|-------------------------------|--------------------------------|
| Infants, Hispanic, both sexes | | | | | Neonates, all races and origins, both sexes | | | | |
| ... | All causes | 4,817 | 100.0 | 524.5 | ... | All causes | 15,282 | 100.0 | 387.3 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 1,222 | 25.4 | 133.1 | 1 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 3,855 | 25.2 | 97.7 |
| 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 779 | 16.2 | 84.8 | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 3,394 | 22.2 | 86.0 |
| 3 | Newborn affected by maternal complications of pregnancy (P01) | 327 | 6.8 | 35.6 | 3 | Newborn affected by maternal complications of pregnancy (P01) | 1,389 | 9.1 | 35.2 |
| 4 | Sudden infant death syndrome (R95) | 178 | 3.7 | 19.4 | 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 829 | 5.4 | 21.0 |
| 5 | Newborn affected by complications of placenta, cord and membranes (P02) | 170 | 3.5 | 18.5 | 5 | Bacterial sepsis of newborn (P36) | 555 | 3.6 | 14.1 |
| 6 | Accidents (unintentional injuries) (V01-X59) | 168 | 3.5 | 18.3 | 6 | Respiratory distress of newborn (P22) | 479 | 3.1 | 12.1 |
| 7 | Bacterial sepsis of newborn (P36) | 132 | 2.7 | 14.4 | 7 | Neonatal hemorrhage (P50-P52,P54) | 391 | 2.6 | 9.9 |
| 8 | Diseases of the circulatory system (I00-I99) | 97 | 2.0 | 10.6 | 8 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 331 | 2.2 | 8.4 |
| 9 | Respiratory distress of newborn (P22) | 86 | 1.8 | 9.4 | 9 | Necrotizing enterocolitis of newborn (P77) | 303 | 2.0 | 7.7 |
| 10 | Neonatal hemorrhage (P50-P52,P54) | 83 | 1.7 | 9.0 | 10 | Atelectasis (P28.0-P28.1) | 261 | 1.7 | 6.6 |
| ... | All other causes (residual) | 1,575 | 32.7 | 171.5 | ... | All other causes (residual) | 3,495 | 22.9 | 88.6 |
| Infants, Hispanic, male | | | | | Neonates, all races and origins, male | | | | |
| ... | All causes | 2,678 | 100.0 | 571.6 | ... | All causes | 8,455 | 100.0 | 418.9 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 636 | 23.7 | 135.8 | 1 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 2,234 | 26.4 | 110.7 |
| 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 430 | 16.1 | 91.8 | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 1,839 | 21.8 | 91.1 |
| 3 | Newborn affected by maternal complications of pregnancy (P01) | 185 | 6.9 | 39.5 | 3 | Newborn affected by maternal complications of pregnancy (P01) | 773 | 9.1 | 38.3 |
| 4 | Sudden infant death syndrome (R95) | 120 | 4.5 | 25.6 | 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 459 | 5.4 | 22.7 |
| 5 | Accidents (unintentional injuries) (V01-X59) | 95 | 3.5 | 20.3 | 5 | Bacterial sepsis of newborn (P36) | 295 | 3.5 | 14.6 |
| 6 | Newborn affected by complications of placenta, cord and membranes (P02) | 89 | 3.3 | 19.0 | 6 | Respiratory distress of newborn (P22) | 262 | 3.1 | 13.0 |
| 7 | Bacterial sepsis of newborn (P36) | 71 | 2.7 | 15.2 | 7 | Neonatal hemorrhage (P50-P52,P54) | 238 | 2.8 | 11.8 |
| 8 | Respiratory distress of newborn (P22) | 54 | 2.0 | 11.5 | 8 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 185 | 2.2 | 9.2 |
| 9 | Diseases of the circulatory system (I00-I99) | 53 | 2.0 | 11.3 | 9 | Atelectasis (P28.0-P28.1) | 154 | 1.8 | 7.6 |
| 10 | Neonatal hemorrhage (P50-P52,P54) | 50 | 1.9 | 10.7 | 10 | Necrotizing enterocolitis of newborn (P77) | 152 | 1.8 | 7.5 |
| ... | All other causes (residual) | 895 | 33.4 | 191.0 | ... | All other causes (residual) | 1,864 | 22.0 | 92.4 |
| Infants, Hispanic, female | | | | | Neonates, all races and origins, female | | | | |
| ... | All causes | 2,139 | 100.0 | 475.4 | ... | All causes | 6,827 | 100.0 | 354.2 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 586 | 27.4 | 130.2 | 1 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 1,621 | 23.7 | 84.1 |
| 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 349 | 16.3 | 77.6 | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 1,555 | 22.8 | 80.7 |
| 3 | Newborn affected by maternal complications of pregnancy (P01) | 142 | 6.6 | 31.6 | 3 | Newborn affected by maternal complications of pregnancy (P01) | 616 | 9.0 | 32.0 |
| 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 81 | 3.8 | 18.0 | 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 370 | 5.4 | 19.2 |
| 5 | Accidents (unintentional injuries) (V01-X59) | 73 | 3.4 | 16.2 | 5 | Bacterial sepsis of newborn (P36) | 260 | 3.8 | 13.5 |
| 6 | Bacterial sepsis of newborn (P36) | 61 | 2.9 | 13.6 | 6 | Respiratory distress of newborn (P22) | 217 | 3.2 | 11.3 |
| 7 | Sudden infant death syndrome (R95) | 58 | 2.7 | 12.9 | 7 | Neonatal hemorrhage (P50-P52,P54) | 153 | 2.2 | 7.9 |
| 8 | Diseases of the circulatory system (I00-I99) | 44 | 2.1 | 9.8 | 8 | Necrotizing enterocolitis of newborn (P77) | 151 | 2.2 | 7.8 |
| 9 | Necrotizing enterocolitis of newborn (P77) | 34 | 1.6 | 7.6 | 9 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 146 | 2.1 | 7.6 |
| 10 | Neonatal hemorrhage (P50-P52,P54) | 33 | 1.5 | 7.3 | 10 | Atelectasis (P28.0-P28.1) | 107 | 1.6 | 5.6 |
| ... | All other causes (residual) | 678 | 31.7 | 150.7 | ... | All other causes (residual) | 1,631 | 23.9 | 84.6 |

See footnotes at end of table.

Table 2. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days through 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 racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total deaths | Mortality rate ² | Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total deaths | Mortality rate ² |
|--|--|---------------------|-------------------------------|--------------------------------|--|--|---------------------|-------------------------------|--------------------------------|
| Neonates, non-Hispanic white, both sexes | | | | | Neonates, non-Hispanic black, both sexes | | | | |
| ... | All causes | 6,495 | 100.0 | 310.2 | ... | All causes | 4,462 | 100.0 | 764.3 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 1,709 | 26.3 | 81.6 | 1 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 1,472 | 33.0 | 252.1 |
| 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 1,365 | 21.0 | 65.2 | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 628 | 14.1 | 107.6 |
| 3 | Newborn affected by maternal complications of pregnancy (P01) | 510 | 7.9 | 24.4 | 3 | Newborn affected by maternal complications of pregnancy (P01) | 467 | 10.5 | 80.0 |
| 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 340 | 5.2 | 16.2 | 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 252 | 5.6 | 43.2 |
| 5 | Bacterial sepsis of newborn (P36) | 207 | 3.2 | 9.9 | 5 | Bacterial sepsis of newborn (P36) | 192 | 4.3 | 32.9 |
| 6 | Respiratory distress of newborn (P22) | 203 | 3.1 | 9.7 | 6 | Respiratory distress of newborn (P22) | 150 | 3.4 | 25.7 |
| 7 | Neonatal hemorrhage (P50-P52,P54) | 180 | 2.8 | 8.6 | 7 | Necrotizing enterocolitis of newborn (P77) | 117 | 2.6 | 20.0 |
| 8 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 151 | 2.3 | 7.2 | 8 | Neonatal hemorrhage (P50-P52,P54) | 97 | 2.2 | 16.6 |
| 9 | Atelectasis (P28.0-P28.1) | 117 | 1.8 | 5.6 | 9 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 86 | 1.9 | 14.7 |
| 10 | Necrotizing enterocolitis of newborn (P77) | 109 | 1.7 | 5.2 | 10 | Atelectasis (P28.0-P28.1) | 76 | 1.7 | 13.0 |
| ... | All other causes (residual) | 1,604 | 24.7 | 76.6 | ... | All other causes (residual) | 925 | 20.7 | 158.4 |
| Neonates, non-Hispanic white, male | | | | | Neonates, non-Hispanic black, male | | | | |
| ... | All causes | 3,580 | 100.0 | 333.4 | ... | All causes | 2,459 | 100.0 | 831.5 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 941 | 26.3 | 87.6 | 1 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 856 | 34.8 | 289.5 |
| 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 796 | 22.2 | 74.1 | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 335 | 13.6 | 113.3 |
| 3 | Newborn affected by maternal complications of pregnancy (P01) | 282 | 7.9 | 26.3 | 3 | Newborn affected by maternal complications of pregnancy (P01) | 257 | 10.5 | 86.9 |
| 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 198 | 5.5 | 18.4 | 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 127 | 5.2 | 42.9 |
| 5 | Neonatal hemorrhage (P50-P52,P54) | 114 | 3.2 | 10.6 | 5 | Bacterial sepsis of newborn (P36) | 91 | 3.7 | 30.8 |
| 6 | Bacterial sepsis of newborn (P36) | 113 | 3.2 | 10.5 | 6 | Respiratory distress of newborn (P22) | 82 | 3.3 | 27.7 |
| 7 | Respiratory distress of newborn (P22) | 104 | 2.9 | 9.7 | 7 | Necrotizing enterocolitis of newborn (P77) | 59 | 2.4 | 20.0 |
| 8 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 85 | 2.4 | 7.9 | 8 | Neonatal hemorrhage (P50-P52,P54) | 58 | 2.4 | 19.6 |
| 9 | Atelectasis (P28.0-P28.1) | 67 | 1.9 | 6.2 | 9 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 49 | 2.0 | 16.6 |
| 10 | Necrotizing enterocolitis of newborn (P77) | 50 | 1.4 | 4.7 | 10 | Atelectasis (P28.0-P28.1) | 48 | 2.0 | 16.2 |
| ... | All other causes (residual) | 830 | 23.2 | 77.3 | ... | All other causes (residual) | 497 | 20.2 | 168.1 |
| Neonates, non-Hispanic white, female | | | | | Neonates, non-Hispanic black, female | | | | |
| ... | All causes | 2,915 | 100.0 | 285.7 | ... | All causes | 2,003 | 100.0 | 695.3 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 768 | 26.3 | 75.3 | 1 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 616 | 30.8 | 213.8 |
| 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 569 | 19.5 | 55.8 | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 293 | 14.6 | 101.7 |
| 3 | Newborn affected by maternal complications of pregnancy (P01) | 228 | 7.8 | 22.3 | 3 | Newborn affected by maternal complications of pregnancy (P01) | 210 | 10.5 | 72.9 |
| 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 142 | 4.9 | 13.9 | 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 125 | 6.2 | 43.4 |
| 5 | Respiratory distress of newborn (P22) | 99 | 3.4 | 9.7 | 5 | Bacterial sepsis of newborn (P36) | 101 | 5.0 | 35.1 |
| 6 | Bacterial sepsis of newborn (P36) | 94 | 3.2 | 9.2 | 6 | Respiratory distress of newborn (P22) | 68 | 3.4 | 23.6 |
| 7 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 66 | 2.3 | 6.5 | 7 | Necrotizing enterocolitis of newborn (P77) | 58 | 2.9 | 20.1 |
| 7 | Neonatal hemorrhage (P50-P52,P54) | 66 | 2.3 | 6.5 | 8 | Neonatal hemorrhage (P50-P52,P54) | 39 | 1.9 | 13.5 |
| 9 | Necrotizing enterocolitis of newborn (P77) | 59 | 2.0 | 5.8 | 9 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 37 | 1.8 | 12.8 |
| 10 | Atelectasis (P28.0-P28.1) | 50 | 1.7 | 4.9 | 10 | Atelectasis (P28.0-P28.1) | 28 | 1.4 | 9.7 |
| ... | All other causes (residual) | 774 | 26.6 | 75.9 | ... | All other causes (residual) | 428 | 21.4 | 148.6 |

Table 2. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days through 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 racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Percent of total Mortality | | | Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Percent of total Mortality | | |
|-------------------|---|-------------------------------|--------|-------------------|-------------------|--|-------------------------------|--------|-------------------|
| | | Number ² | deaths | rate ² | | | Number ² | deaths | rate ² |
| | Neonates, non-Hispanic American Indian or Alaska Native, both sexes | | | | | Neonates, non-Hispanic American Indian or Alaska Native, male | | | |
| ... | All causes | 162 | 100.0 | 447.4 | ... | All causes | 99 | 100.0 | 538.9 |
| 1 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 41 | 25.3 | 113.2 | 1 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 26 | 26.3 | 141.5 |
| 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 40 | 24.7 | 110.5 | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 22 | 22.2 | 119.7 |
| 3 | Newborn affected by complications of placenta, cord and membranes (P02) | 19 | 11.7 | * | 3 | Newborn affected by complications of placenta, cord and membranes (P02) | 13 | 13.1 | * |
| 4 | Newborn affected by maternal complications of pregnancy (P01) | 11 | 6.8 | * | 4 | Newborn affected by maternal complications of pregnancy (P01) | 6 | 6.1 | * |
| 5 | Respiratory distress of newborn (P22) | 4 | 2.5 | * | 5 | Respiratory distress of newborn (P22) | 3 | 3.0 | * |
| 6 | Atelectasis (P28.0-P28.1) | 3 | 1.9 | * | 6 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 2 | 2.0 | * |
| 6 | Sudden infant death syndrome (R95) | 3 | 1.9 | * | 6 | Pulmonary hemorrhage originating in the perinatal period (P26) | 2 | 2.0 | * |
| 8 | Newborn affected by maternal hypertensive disorders (P00.0) | 2 | 1.2 | * | 6 | Sudden infant death syndrome (R95) | 2 | 2.0 | * |
| 8 | Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9) | 2 | 1.2 | * | 9 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48) | 1 | 1.0 | * |
| 8 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 2 | 1.2 | * | 9 | Acute bronchitis and acute bronchiolitis (J20-J21) | 1 | 1.0 | * |
| 8 | Pulmonary hemorrhage originating in the perinatal period (P26) | 2 | 1.2 | * | 9 | Newborn affected by maternal hypertensive disorders (P00.0) | 1 | 1.0 | * |
| 8 | Neonatal hemorrhage (P50-P52,P54) | 2 | 1.2 | * | 9 | Newborn affected by other complications of labor and delivery (P03) | 1 | 1.0 | * |
| ... | All other causes (residual) | 31 | 19.1 | 85.6 | 9 | Neonatal aspiration syndromes (P24) | 1 | 1.0 | * |
| | | | | | 9 | Interstitial emphysema and related conditions originating in the perinatal period. (P25) | 1 | 1.0 | * |
| | | | | | 9 | Atelectasis (P28.0-P28.1) | 1 | 1.0 | * |
| | | | | | 9 | Bacterial sepsis of newborn (P36) | 1 | 1.0 | * |
| | | | | | 9 | Neonatal hemorrhage (P50-P52,P54) | 1 | 1.0 | * |
| | | | | | 9 | Necrotizing enterocolitis of newborn (P77) | 1 | 1.0 | * |
| | | | | | 9 | Hydrops fetalis not due to hemolytic disease (P83.2) | 1 | 1.0 | * |
| | | | | | 9 | Assault (homicide) (*U01,X85-Y09) | 1 | 1.0 | * |
| | | | | | ... | All other causes (residual) | 11 | 11.1 | * |

Table 2. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days through 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 racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total Mortality deaths rate ² | | Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total Mortality deaths rate ² | |
|---|---|---------------------|---|-------|--|---|---------------------|---|-------|
| Neonates, non-Hispanic American Indian or Alaska Native, female | | | | | Neonates, non-Hispanic Asian or Pacific Islander, male | | | | |
| ... | All causes | 63 | 100.0 | 353.1 | ... | All causes | 382 | 100.0 | 266.8 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 18 | 28.6 | * | 1 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 99 | 25.9 | 69.1 |
| 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 15 | 23.8 | * | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 66 | 17.3 | 46.1 |
| 3 | Newborn affected by complications of placenta, cord and membranes (P02) | 6 | 9.5 | * | 3 | Newborn affected by maternal complications of pregnancy (P01) | 34 | 8.9 | 23.7 |
| 4 | Newborn affected by maternal complications of pregnancy (P01) | 5 | 7.9 | * | 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 26 | 6.8 | 18.2 |
| 5 | Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9) | 2 | 3.2 | * | 5 | Bacterial sepsis of newborn (P36) | 18 | 4.7 | * |
| 5 | Atelectasis (P28.0-P28.1) | 2 | 3.2 | * | 6 | Respiratory distress of newborn (P22) | 14 | 3.7 | * |
| 7 | Anoxic brain damage, not elsewhere classified (G93.1) | 1 | 1.6 | * | 7 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 13 | 3.4 | * |
| 7 | Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55) | 1 | 1.6 | * | 8 | Neonatal hemorrhage (P50-P52,P54) | 9 | 2.4 | * |
| 7 | Newborn affected by maternal hypertensive disorders (P00.0) | 1 | 1.6 | * | 9 | Hydrops fetalis not due to hemolytic disease (P83.2) | 7 | 1.8 | * |
| 7 | Newborn affected by noxious influences transmitted via placenta or breast milk (P04) | 1 | 1.6 | * | 10 | Necrotizing enterocolitis of newborn (P77) | 6 | 1.6 | * |
| 7 | Birth trauma (P10-P15) | 1 | 1.6 | * | ... | All other causes (residual) | 90 | 23.6 | 62.8 |
| 7 | Respiratory distress of newborn (P22) | 1 | 1.6 | * | Neonates, non-Hispanic Asian or Pacific Islander, female | | | | |
| 7 | Congenital pneumonia (P23) | 1 | 1.6 | * | ... | All causes | 291 | 100.0 | 217.4 |
| 7 | Neonatal hemorrhage (P50-P52,P54) | 1 | 1.6 | * | 1 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 61 | 21.0 | 45.6 |
| 7 | Sudden infant death syndrome (R95) | 1 | 1.6 | * | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 59 | 20.3 | 44.1 |
| ... | All other causes (residual) | 6 | 9.5 | * | 3 | Newborn affected by maternal complications of pregnancy (P01) | 27 | 9.3 | 20.2 |
| Neonates, non-Hispanic Asian or Pacific Islander, both sexes | | | | | 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 14 | 4.8 | * |
| ... | All causes | 673 | 100.0 | 242.9 | 5 | Respiratory distress of newborn (P22) | 12 | 4.1 | * |
| 1 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 160 | 23.8 | 57.7 | 6 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 11 | 3.8 | * |
| 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 125 | 18.6 | 45.1 | 6 | Neonatal hemorrhage (P50-P52,P54) | 11 | 3.8 | * |
| 3 | Newborn affected by maternal complications of pregnancy (P01) | 61 | 9.1 | 22.0 | 8 | Necrotizing enterocolitis of newborn (P77) | 7 | 2.4 | * |
| 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 40 | 5.9 | 14.4 | 8 | Hydrops fetalis not due to hemolytic disease (P83.2) | 7 | 2.4 | * |
| 5 | Respiratory distress of newborn (P22) | 26 | 3.9 | 9.4 | 10 | Bacterial sepsis of newborn (P36) | 4 | 1.4 | * |
| 6 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 24 | 3.6 | 8.7 | ... | All other causes (residual) | 78 | 26.8 | 58.3 |
| 7 | Bacterial sepsis of newborn (P36) | 22 | 3.3 | 7.9 | | | | | |
| 8 | Neonatal hemorrhage (P50-P52,P54) | 20 | 3.0 | 7.2 | | | | | |
| 9 | Hydrops fetalis not due to hemolytic disease (P83.2) | 14 | 2.1 | * | | | | | |
| 10 | Necrotizing enterocolitis of newborn (P77) | 13 | 1.9 | * | | | | | |
| ... | All other causes (residual) | 168 | 25.0 | 60.6 | | | | | |

Table 2. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days through 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 racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total deaths | Mortality rate ² | Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total deaths | Mortality rate ² |
|--------------------------------|--|---------------------|-------------------------------|--------------------------------|---|---|---------------------|-------------------------------|--------------------------------|
| Neonates, Hispanic, both sexes | | | | | Postneonates, all races and origins, both sexes | | | | |
| ... | All causes | 3,330 | 100.0 | 362.6 | ... | All causes | 7,879 | 100.0 | 199.7 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 868 | 26.1 | 94.5 | 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 1,422 | 18.0 | 36.0 |
| 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 766 | 23.0 | 83.4 | 2 | Sudden infant death syndrome (R95) | 1,380 | 17.5 | 35.0 |
| 3 | Newborn affected by maternal complications of pregnancy (P01) | 325 | 9.8 | 35.4 | 3 | Accidents (unintentional injuries)..... (V01-X59) | 1,084 | 13.8 | 27.5 |
| 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 167 | 5.0 | 18.2 | 4 | Diseases of the circulatory system.... (I00-I99) | 361 | 4.6 | 9.1 |
| 5 | Bacterial sepsis of newborn (P36) | 128 | 3.8 | 13.9 | 5 | Assault (homicide)..... (*U01.X85-Y09) | 253 | 3.2 | 6.4 |
| 6 | Respiratory distress of newborn (P22) | 86 | 2.6 | 9.4 | 6 | Diarrhea and gastroenteritis of infectious origin (A09) | 205 | 2.6 | 5.2 |
| 7 | Neonatal hemorrhage (P50-P52,P54) | 82 | 2.5 | 8.9 | 7 | Septicemia (A40-A41) | 190 | 2.4 | 4.8 |
| 8 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 68 | 2.0 | 7.4 | 8 | Influenza and pneumonia (J09-J18) | 164 | 2.1 | 4.2 |
| 9 | Necrotizing enterocolitis of newborn (P77) | 61 | 1.8 | 6.6 | 9 | Chronic respiratory disease originating in the perinatal period (P27) | 89 | 1.1 | 2.3 |
| 10 | Atelectasis (P28.0-P28.1) | 57 | 1.7 | 6.2 | 10 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 72 | 0.9 | 1.8 |
| ... | All other causes (residual) | 722 | 21.7 | 78.6 | ... | All other causes (residual) | 2,659 | 33.7 | 67.4 |
| Neonates, Hispanic, male | | | | | Postneonates, all races and origins, male | | | | |
| ... | All causes | 1,844 | 100.0 | 393.6 | ... | All causes | 4,412 | 100.0 | 218.6 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 464 | 25.2 | 99.0 | 1 | Sudden infant death syndrome (R95) | 816 | 18.5 | 40.4 |
| 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 424 | 23.0 | 90.5 | 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 703 | 15.9 | 34.8 |
| 3 | Newborn affected by maternal complications of pregnancy (P01) | 184 | 10.0 | 39.3 | 3 | Accidents (unintentional injuries)..... (V01-X59) | 629 | 14.3 | 31.2 |
| 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 87 | 4.7 | 18.6 | 4 | Diseases of the circulatory system.... (I00-I99) | 185 | 4.2 | 9.2 |
| 5 | Bacterial sepsis of newborn (P36) | 69 | 3.7 | 14.7 | 5 | Assault (homicide)..... (*U01.X85-Y09) | 133 | 3.0 | 6.6 |
| 6 | Respiratory distress of newborn (P22) | 54 | 2.9 | 11.5 | 6 | Diarrhea and gastroenteritis of infectious origin (A09) | 116 | 2.6 | 5.7 |
| 7 | Neonatal hemorrhage (P50-P52,P54) | 50 | 2.7 | 10.7 | 7 | Septicemia (A40-A41) | 108 | 2.4 | 5.4 |
| 8 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 36 | 2.0 | 7.7 | 8 | Influenza and pneumonia (J09-J18) | 105 | 2.4 | 5.2 |
| 8 | Necrotizing enterocolitis of newborn (P77) | 36 | 2.0 | 7.7 | 9 | Chronic respiratory disease originating in the perinatal period (P27) | 45 | 1.0 | 2.2 |
| 10 | Atelectasis (P28.0-P28.1) | 33 | 1.8 | 7.0 | 10 | Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89) | 40 | 0.9 | 2.0 |
| ... | All other causes (residual) | 407 | 22.1 | 86.9 | ... | All other causes (residual) | 1,532 | 34.7 | 75.9 |
| Neonates, Hispanic, female | | | | | | | | | |
| ... | All causes | 1,486 | 100.0 | 330.3 | | | | | |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 404 | 27.2 | 89.8 | | | | | |
| 2 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 342 | 23.0 | 76.0 | | | | | |
| 3 | Newborn affected by maternal complications of pregnancy (P01) | 141 | 9.5 | 31.3 | | | | | |
| 4 | Newborn affected by complications of placenta, cord and membranes (P02) | 80 | 5.4 | 17.8 | | | | | |
| 5 | Bacterial sepsis of newborn (P36) | 59 | 4.0 | 13.1 | | | | | |
| 6 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 32 | 2.2 | 7.1 | | | | | |
| 6 | Respiratory distress of newborn (P22) | 32 | 2.2 | 7.1 | | | | | |
| 6 | Neonatal hemorrhage (P50-P52,P54) | 32 | 2.2 | 7.1 | | | | | |
| 9 | Hydrops fetalis not due to hemolytic disease (P83.2) | 27 | 1.8 | 6.0 | | | | | |
| 10 | Necrotizing enterocolitis of newborn (P77) | 25 | 1.7 | 5.6 | | | | | |
| ... | All other causes (residual) | 312 | 21.0 | 69.3 | | | | | |

See footnotes at end of table.

Table 2. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days through 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 racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total deaths | Mortality rate ² | Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total deaths | Mortality rate ² |
|---|--|---------------------|-------------------------------|--------------------------------|---|--|---------------------|-------------------------------|--------------------------------|
| Postneonates, all races and origins, female | | | | | Postneonates, non-Hispanic white, female | | | | |
| ... | All causes | 3,467 | 100.0 | 179.9 | ... | All causes | 1,509 | 100.0 | 147.9 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 719 | 20.7 | 37.3 | 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 329 | 21.8 | 32.2 |
| 2 | Sudden infant death syndrome (R95) | 564 | 16.3 | 29.3 | 2 | Sudden infant death syndrome (R95) | 268 | 17.8 | 26.3 |
| 3 | Accidents (unintentional injuries)..... (V01-X59) | 455 | 13.1 | 23.6 | 3 | Accidents (unintentional injuries)..... (V01-X59) | 203 | 13.5 | 19.9 |
| 4 | Diseases of the circulatory system.... (I00-I99) | 176 | 5.1 | 9.1 | 4 | Diseases of the circulatory system.... (I00-I99) | 82 | 5.4 | 8.0 |
| 5 | Assault (homicide)..... (*U01.X85-Y09) | 120 | 3.5 | 6.2 | 5 | Assault (homicide)..... (*U01.X85-Y09) | 54 | 3.6 | 5.3 |
| 6 | Diarrhea and gastroenteritis of infectious origin (A09) | 89 | 2.6 | 4.6 | 6 | Septicemia (A40-A41) | 28 | 1.9 | 2.7 |
| 7 | Septicemia (A40-A41) | 82 | 2.4 | 4.3 | 7 | Diarrhea and gastroenteritis of infectious origin (A09) | 26 | 1.7 | 2.5 |
| 8 | Influenza and pneumonia (J09-J18) | 59 | 1.7 | 3.1 | 8 | Influenza and pneumonia (J09-J18) | 16 | 1.1 | * |
| 9 | Chronic respiratory disease originating in the perinatal period (P27) | 44 | 1.3 | 2.3 | 9 | Chronic respiratory disease originating in the perinatal period (P27) | 14 | 0.9 | * |
| 10 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 35 | 1.0 | 1.8 | 10 | Malignant neoplasms (C00-C97) | 13 | 0.9 | * |
| ... | All other causes (residual) | 1,124 | 32.4 | 58.3 | ... | All other causes (residual) | 476 | 31.5 | 46.7 |
| Postneonates, non-Hispanic white, both sexes | | | | | Postneonates, non-Hispanic black, both sexes | | | | |
| ... | All causes | 3,551 | 100.0 | 169.6 | ... | All causes | 2,401 | 100.0 | 411.3 |
| 1 | Sudden infant death syndrome (R95) | 689 | 19.4 | 32.9 | 1 | Sudden infant death syndrome (R95) | 457 | 19.0 | 78.3 |
| 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 666 | 18.8 | 31.8 | 2 | Accidents (unintentional injuries)..... (V01-X59) | 376 | 15.7 | 64.4 |
| 3 | Accidents (unintentional injuries)..... (V01-X59) | 513 | 14.4 | 24.5 | 3 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 316 | 13.2 | 54.1 |
| 4 | Diseases of the circulatory system.... (I00-I99) | 171 | 4.8 | 8.2 | 4 | Diseases of the circulatory system.... (I00-I99) | 101 | 4.2 | 17.3 |
| 5 | Assault (homicide)..... (*U01.X85-Y09) | 113 | 3.2 | 5.4 | 5 | Assault (homicide)..... (*U01.X85-Y09) | 84 | 3.5 | 14.4 |
| 6 | Diarrhea and gastroenteritis of infectious origin (A09) | 67 | 1.9 | 3.2 | 6 | Diarrhea and gastroenteritis of infectious origin (A09) | 81 | 3.4 | 13.9 |
| 6 | Septicemia (A40-A41) | 67 | 1.9 | 3.2 | 7 | Septicemia (A40-A41) | 69 | 2.9 | 11.8 |
| 8 | Influenza and pneumonia (J09-J18) | 59 | 1.7 | 2.8 | 8 | Influenza and pneumonia (J09-J18) | 63 | 2.6 | 10.8 |
| 9 | Chronic respiratory disease originating in the perinatal period (P27) | 36 | 1.0 | 1.7 | 9 | Chronic respiratory disease originating in the perinatal period (P27) | 36 | 1.5 | 6.2 |
| 10 | Malignant neoplasms (C00-C97) | 26 | 0.7 | 1.2 | 10 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 32 | 1.3 | 5.5 |
| ... | All other causes (residual) | 1,144 | 32.2 | 54.6 | ... | All other causes (residual) | 786 | 32.7 | 134.6 |
| Postneonates, non-Hispanic white, male | | | | | Postneonates, non-Hispanic black, male | | | | |
| ... | All causes | 2,042 | 100.0 | 190.2 | ... | All causes | 1,287 | 100.0 | 435.2 |
| 1 | Sudden infant death syndrome (R95) | 421 | 20.6 | 39.2 | 1 | Sudden infant death syndrome (R95) | 243 | 18.9 | 82.2 |
| 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 337 | 16.5 | 31.4 | 2 | Accidents (unintentional injuries)..... (V01-X59) | 208 | 16.2 | 70.3 |
| 3 | Accidents (unintentional injuries)..... (V01-X59) | 310 | 15.2 | 28.9 | 3 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 159 | 12.4 | 53.8 |
| 4 | Diseases of the circulatory system.... (I00-I99) | 89 | 4.4 | 8.3 | 4 | Diseases of the circulatory system.... (I00-I99) | 49 | 3.8 | 16.6 |
| 5 | Assault (homicide)..... (*U01.X85-Y09) | 59 | 2.9 | 5.5 | 5 | Assault (homicide)..... (*U01.X85-Y09) | 45 | 3.5 | 15.2 |
| 6 | Influenza and pneumonia (J09-J18) | 43 | 2.1 | 4.0 | 6 | Diarrhea and gastroenteritis of infectious origin (A09) | 39 | 3.0 | 13.2 |
| 7 | Diarrhea and gastroenteritis of infectious origin (A09) | 41 | 2.0 | 3.8 | 7 | Septicemia (A40-A41) | 38 | 3.0 | 12.9 |
| 8 | Septicemia (A40-A41) | 39 | 1.9 | 3.6 | 8 | Influenza and pneumonia (J09-J18) | 35 | 2.7 | 11.8 |
| 9 | Chronic respiratory disease originating in the perinatal period (P27) | 22 | 1.1 | 2.0 | 9 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 14 | 1.1 | * |
| 10 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 15 | 0.7 | * | 9 | Chronic respiratory disease originating in the perinatal period (P27) | 14 | 1.1 | * |
| ... | All other causes (residual) | 666 | 32.6 | 62.0 | ... | All other causes (residual) | 443 | 34.4 | 149.8 |

See footnotes at end of table.

Table 2. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days through 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 racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total Mortality deaths rate ² | | Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total Mortality deaths rate ² | |
|--|--|---------------------|---|-------|--|---|---------------------|---|-------|
| Postneonates, non-Hispanic black, female | | | | | Postneonates, non-Hispanic American Indian or Alaska Native, male | | | | |
| ... | All causes | 1,114 | 100.0 | 386.7 | ... | All causes | 82 | 100.0 | 446.3 |
| 1 | Sudden infant death syndrome (R95) | 214 | 19.2 | 74.3 | ... | Sudden infant death syndrome (R95) | 21 | 25.6 | 114.3 |
| 2 | Accidents (unintentional injuries)..... (V01–X59) | 168 | 15.1 | 58.3 | 1 | Accidents (unintentional injuries)..... (V01–X59) | 13 | 15.9 | * |
| 3 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 157 | 14.1 | 54.5 | 3 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 7 | 8.5 | * |
| 4 | Diseases of the circulatory system. (I00–I99) | 52 | 4.7 | 18.1 | 4 | Diarrhea and gastroenteritis of infectious origin (A09) | 3 | 3.7 | * |
| 5 | Diarrhea and gastroenteritis of infectious origin (A09) | 42 | 3.8 | 14.6 | 5 | Anoxic brain damage, not elsewhere classified (G93.1) | 2 | 2.4 | * |
| 6 | Assault (homicide)..... (*U01.X85–Y09) | 39 | 3.5 | 13.5 | 6 | Septicemia (A40–A41) | 1 | 1.2 | * |
| 7 | Septicemia (A40–A41) | 31 | 2.8 | 10.8 | 6 | Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89) | 1 | 1.2 | * |
| 8 | Influenza and pneumonia (J09–J18) | 28 | 2.5 | 9.7 | 6 | Volume depletion, disorders of fluid, electrolyte and acid-base balance. (E86–E87) | 1 | 1.2 | * |
| 9 | Chronic respiratory disease originating in the perinatal period (P27) | 22 | 2.0 | 7.6 | 6 | Diseases of the circulatory system. (I00–I99) | 1 | 1.2 | * |
| 10 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 18 | 1.6 | * | 6 | Influenza and pneumonia (J09–J18) | 1 | 1.2 | * |
| ... | All other causes (residual) | 343 | 30.8 | 119.1 | 6 | Asthma (J45–J46) | 1 | 1.2 | * |
| Postneonates, non-Hispanic American Indian or Alaska Native, both sexes | | | | | 6 | Pneumonitis due to solids and liquids (J69) | 1 | 1.2 | * |
| ... | All causes | 148 | 100.0 | 408.7 | 6 | Newborn affected by maternal complications of pregnancy (P01) | 1 | 1.2 | * |
| 1 | Sudden infant death syndrome (R95) | 33 | 22.3 | 91.1 | 6 | Necrotizing enterocolitis of newborn (P77) | 1 | 1.2 | * |
| 2 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 26 | 17.6 | 71.8 | 6 | Hydrops fetalis not due to hemolytic disease (P83.2) | 1 | 1.2 | * |
| 3 | Accidents (unintentional injuries)..... (V01–X59) | 21 | 14.2 | 58.0 | 6 | Assault (homicide)..... (*U01.X85–Y09) | 1 | 1.2 | * |
| 4 | Assault (homicide)..... (*U01.X85–Y09) | 4 | 2.7 | * | ... | All other causes (residual) | 25 | 30.5 | 136.1 |
| 5 | Diarrhea and gastroenteritis of infectious origin (A09) | 3 | 2.0 | * | Postneonates, non-Hispanic American Indian or Alaska Native, female | | | | |
| 5 | Septicemia (A40–A41) | 3 | 2.0 | * | ... | All causes | 66 | 100.0 | 369.9 |
| 7 | Meningitis (G00,G03) | 2 | 1.4 | * | 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99) | 19 | 28.8 | * |
| 7 | Anoxic brain damage, not elsewhere classified (G93.1) | 2 | 1.4 | * | 2 | Sudden infant death syndrome (R95) | 12 | 18.2 | * |
| 7 | Diseases of the circulatory system. (I00–I99) | 2 | 1.4 | * | 3 | Accidents (unintentional injuries)..... (V01–X59) | 8 | 12.1 | * |
| 7 | Influenza and pneumonia (J09–J18) | 2 | 1.4 | * | 4 | Assault (homicide)..... (*U01.X85–Y09) | 3 | 4.5 | * |
| ... | All other causes (residual) | 50 | 33.8 | 138.1 | 5 | Septicemia (A40–A41) | 2 | 3.0 | * |
| | | | | | 5 | Meningitis (G00,G03) | 2 | 3.0 | * |
| | | | | | 7 | Malignant neoplasms (C00–C97) | 1 | 1.5 | * |
| | | | | | 7 | Diseases of the circulatory system. (I00–I99) | 1 | 1.5 | * |
| | | | | | 7 | Influenza and pneumonia (J09–J18) | 1 | 1.5 | * |
| | | | | | 7 | Newborn affected by complications of placenta, cord and membranes (P02) | 1 | 1.5 | * |
| | | | | | ... | All other causes (residual) | 16 | 24.2 | * |

Table 2. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days through 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 racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total deaths | Mortality rate ² | Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Number ² | Percent of total deaths | Mortality rate ² |
|--|---|---------------------|-------------------------------|--------------------------------|--|---|---------------------|-------------------------------|--------------------------------|
| Postneonates, non-Hispanic Asian or Pacific Islander, both sexes | | | | | Postneonates, non-Hispanic Asian or Pacific Islander, female | | | | |
| ... | All causes | 256 | 100.0 | 92.4 | ... | All causes | 107 | 100.0 | 79.9 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 55 | 21.5 | 19.8 | 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 27 | 25.2 | 20.2 |
| 2 | Sudden infant death syndrome (R95) | 33 | 12.9 | 11.9 | 2 | Sudden infant death syndrome (R95) | 17 | 15.9 | * |
| 3 | Accidents (unintentional injuries)..... (V01-X59) | 19 | 7.4 | * | 3 | Accidents (unintentional injuries)..... (V01-X59) | 8 | 7.5 | * |
| 4 | Diseases of the circulatory system.... (I00-I99) | 14 | 5.5 | * | 4 | Diarrhea and gastroenteritis of infectious origin (A09) | 5 | 4.7 | * |
| 5 | Diarrhea and gastroenteritis of infectious origin (A09) | 8 | 3.1 | * | 5 | Diseases of the circulatory system.... (I00-I99) | 4 | 3.7 | * |
| 6 | Septicemia (A40-A41) | 7 | 2.7 | * | 6 | Septicemia (A40-A41) | 3 | 2.8 | * |
| 7 | Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89) | 6 | 2.3 | * | 6 | Meningitis (G00,G03) | 3 | 2.8 | * |
| 8 | Meningitis (G00,G03) | 5 | 2.0 | * | 8 | Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89) | 2 | 1.9 | * |
| 8 | Assault (homicide)..... (*U01,X85-Y09) | 5 | 2.0 | * | 8 | Necrotizing enterocolitis of newborn (P77) | 2 | 1.9 | * |
| 10 | Chronic respiratory disease originating in the perinatal period (P27) | 4 | 1.6 | * | 10 | Tuberculosis (A16-A19) | 1 | 0.9 | * |
| ... | All other causes (residual) | 100 | 39.1 | 36.1 | 10 | Malignant neoplasms (C00-C97) | 1 | 0.9 | * |
| Postneonates, non-Hispanic Asian or Pacific Islander, male | | | | | 10 | Volume depletion, disorders of fluid, electrolyte and acid-base balance. (E86-E87) | 1 | 0.9 | * |
| ... | All causes | 149 | 100.0 | 104.1 | 10 | Influenza and pneumonia (J09-J18) | 1 | 0.9 | * |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 28 | 18.8 | 19.6 | 10 | Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55) | 1 | 0.9 | * |
| 2 | Sudden infant death syndrome (R95) | 16 | 10.7 | * | 10 | Newborn affected by maternal complications of pregnancy (P01) | 1 | 0.9 | * |
| 3 | Accidents (unintentional injuries)..... (V01-X59) | 11 | 7.4 | * | 10 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 1 | 0.9 | * |
| 4 | Diseases of the circulatory system.... (I00-I99) | 10 | 6.7 | * | 10 | Intrauterine hypoxia and birth asphyxia (P20-P21) | 1 | 0.9 | * |
| 5 | Septicemia (A40-A41) | 4 | 2.7 | * | 10 | Respiratory distress of newborn (P22) | 1 | 0.9 | * |
| 5 | Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89) | 4 | 2.7 | * | 10 | Congenital pneumonia (P23) | 1 | 0.9 | * |
| 5 | Assault (homicide)..... (*U01,X85-Y09) | 4 | 2.7 | * | 10 | Chronic respiratory disease originating in the perinatal period (P27) | 1 | 0.9 | * |
| 8 | Diarrhea and gastroenteritis of infectious origin (A09) | 3 | 2.0 | * | 10 | Bacterial sepsis of newborn (P36) | 1 | 0.9 | * |
| 8 | Chronic respiratory disease originating in the perinatal period (P27) | 3 | 2.0 | * | 10 | Assault (homicide)..... (*U01,X85-Y09) | 1 | 0.9 | * |
| 10 | In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48) | 2 | 1.3 | * | ... | All other causes (residual) | 23 | 21.5 | 17.2 |
| 10 | Meningitis (G00,G03) | 2 | 1.3 | * | Postneonates, Hispanic, both sexes | | | | |
| 10 | Influenza and pneumonia (J09-J18) | 2 | 1.3 | * | ... | All causes | 1,487 | 100.0 | 161.9 |
| 10 | Bacterial sepsis of newborn (P36) | 2 | 1.3 | * | 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 354 | 23.8 | 38.5 |
| ... | All other causes (residual) | 58 | 38.9 | 40.5 | 2 | Sudden infant death syndrome (R95) | 166 | 11.2 | 18.1 |
| | | | | | 3 | Accidents (unintentional injuries)..... (V01-X59) | 154 | 10.4 | 16.8 |
| | | | | | 4 | Diseases of the circulatory system.... (I00-I99) | 72 | 4.8 | 7.8 |
| | | | | | 5 | Septicemia (A40-A41) | 44 | 3.0 | 4.8 |
| | | | | | 5 | Assault (homicide)..... (*U01,X85-Y09) | 44 | 3.0 | 4.8 |
| | | | | | 7 | Diarrhea and gastroenteritis of infectious origin (A09) | 43 | 2.9 | 4.7 |
| | | | | | 8 | Influenza and pneumonia (J09-J18) | 34 | 2.3 | 3.7 |
| | | | | | 9 | Malignant neoplasms (C00-C97) | 17 | 1.1 | * |
| | | | | | 10 | Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07) | 13 | 0.9 | * |
| | | | | | 10 | Necrotizing enterocolitis of newborn (P77) | 13 | 0.9 | * |
| | | | | | ... | All other causes (residual) | 533 | 35.8 | 58.0 |

Table 2. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2016—Con.

[Rates are infant (under 1 year), neonatal (under 28 days), and postneonatal (28 days through 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 racial and ethnic groups other than non-Hispanic white and non-Hispanic black should be interpreted with caution because of inconsistencies between reporting Hispanic origin and race on birth and death certificates. Deaths are based on race and Hispanic origin of decedent; live births are based on race and Hispanic origin of mother. National linked files should be used to measure infant mortality for specific subgroups. An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision (ICD-10)*]

| Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Percent of total Mortality | | | Rank ¹ | Cause of death (based on ICD-10), age, race and Hispanic origin, and sex | Percent of total Mortality | | |
|------------------------------|---|-------------------------------|--------|--------------------------------|-------------------|---|-------------------------------|--------|-------------------|
| | | Number ² | deaths | rate ² | | | Number ² | deaths | rate ² |
| Postneonates, Hispanic, male | | | | Postneonates, Hispanic, female | | | | | |
| ... | All causes | 834 | 100.0 | 178.0 | ... | All causes | 653 | 100.0 | 145.1 |
| 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 172 | 20.6 | 36.7 | 1 | Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99) | 182 | 27.9 | 40.4 |
| 2 | Sudden infant death syndrome (R95) | 114 | 13.7 | 24.3 | 2 | Accidents (unintentional injuries).....(V01-X59) | 68 | 10.4 | 15.1 |
| 3 | Accidents (unintentional injuries).....(V01-X59) | 86 | 10.3 | 18.4 | 3 | Sudden infant death syndrome (R95) | 52 | 8.0 | 11.6 |
| 4 | Diseases of the circulatory system (I00-I99) | 36 | 4.3 | 7.7 | 4 | Diseases of the circulatory system (I00-I99) | 36 | 5.5 | 8.0 |
| 5 | Diarrhea and gastroenteritis of infectious origin (A09) | 28 | 3.4 | 6.0 | 5 | Assault (homicide).....(*U01,X85-Y09) | 21 | 3.2 | 4.7 |
| 6 | Septicemia(A40-A41) | 26 | 3.1 | 5.5 | 6 | Septicemia(A40-A41) | 18 | 2.8 | * |
| 7 | Assault (homicide).....(*U01,X85-Y09) | 23 | 2.8 | 4.9 | 7 | Diarrhea and gastroenteritis of infectious origin (A09) | 15 | 2.3 | * |
| 8 | Influenza and pneumonia (J09-J18) | 22 | 2.6 | 4.7 | 8 | Influenza and pneumonia (J09-J18) | 12 | 1.8 | * |
| 9 | Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89) | 9 | 1.1 | * | 9 | Malignant neoplasms(C00-C97) | 10 | 1.5 | * |
| 10 | Malignant neoplasms(C00-C97) | 7 | 0.8 | * | 10 | Necrotizing enterocolitis of newborn (P77) | 9 | 1.4 | * |
| 10 | Volume depletion, disorders of fluid, electrolyte and acid-base balance. (E86-E87) | 7 | 0.8 | * | ... | All other causes (residual) | 230 | 35.2 | 51.1 |
| ... | All other causes (residual) | 304 | 36.5 | 64.9 | | | | | |

... Category not applicable.

* Figure does not meet standards of reliability or precision.

¹Based on number of deaths.

²Figures for origin not stated are included in "all races and origins" but not distributed among race and Hispanic-origin groups.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Technical Notes

Data

Data in this report are based on information from all death certificates that were filed in the 50 states and the District of Columbia in 2016 and processed by the National Center for Health Statistics (NCHS) through the Vital Statistics Cooperative Program. For details about the nature and sources of data, revision of the U.S. Standard Certificate of Death, and terrorism-related deaths, see the [Technical Notes](#) of the companion report, “Deaths: Final Data for 2016” (3). The mortality statistics in this report include deaths of U.S. residents only.

Cause-of-death classification

The mortality statistics presented here were compiled in accordance with World Health Organization (WHO) regulations, which specify that member nations classify and code causes of death in accordance with the current revision of the *International Statistical Classification of Diseases and Related Health Problems* (ICD). 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 10th revision of this classification, ICD-10 (4).

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* (6,18–22). 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.

Prior to 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) (22), multiple-cause codes serve as inputs to computer software that employs WHO rules to select the underlying cause. All cause-of-death data in this report were coded using ACME.

ACME is used to select the underlying cause of death for all death certificates in the United States. In addition, NCHS developed two computer systems as inputs to ACME. Beginning with 1990 data, the Mortality Medical Indexing, Classification, and Retrieval (MICAR) system (23,24) was introduced to automate the coding of 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 (25). SuperMICAR allows for literal entry of the multiple cause-of-death text as reported by the certifier. This information is then processed automatically by MICAR and ACME. Records that cannot be processed automatically by MICAR are manually coded for multiple cause and then further processed through

ACME to determine underlying cause. In 2016, SuperMICAR was used to process all of the nation’s death records.

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 morbid events leading directly to death, or the circumstances of the accident or violence that produced the fatal injury” (4). The underlying cause is selected from the conditions entered by the physician or other medical certifier in the cause of death section of the death certificate. When more than one cause or condition is entered by the certifier, the underlying cause is determined by the sequence of conditions on the certificate, provisions of 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 information is captured in NCHS multiple cause-of-death statistics (26–28).

Coding and processing changes in 2016

No ICD-10 codes were added or deleted in data year 2016, and no new changes were made to the coding or classification rules in 2016 (3).

Age

Decedents for whom age was not stated are included in total categories showing the words “all ages” but are not distributed across age groups. No age information was missing for infants in 2016. The percentage of all decedents with age not stated in 2016 was 0.005%.

Race and Hispanic origin

Race and Hispanic origin are reported separately on the death certificate but are shown combined in this report. Data shown for Hispanic persons include all persons of Hispanic origin of any race. All records coded as “Other races” (0.8% of total deaths in 2016) were assigned to the specified race of the previous record. Records for which race was unknown, not stated, or not classifiable (0.2%) were assigned the racial designation of the previous record. Records for which Hispanic origin was not stated or not classifiable (0.3%) did not have this information imputed. For more details about race and Hispanic origin, including changes in the standards for classifying race and ethnicity, race bridging of deaths, and the quality of reporting on death certificates and surveys, see the [Technical Notes](#) of “Deaths: Final Data for 2016” (3).

Infant deaths were tabulated by race and Hispanic origin of the decedent. Live births—the denominators of infant mortality rates—were tabulated by race and Hispanic origin of the mother. 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 0.8%, and the percentage of live births to mothers of unknown origin was 0.9% for the United States in 2016 (3,29). Infant mortality rates by specified race and Hispanic

origin are more accurate when based on the linked file of infant deaths and live births (17). The linked file computes infant mortality rates using the race and Hispanic origin of the mother from the birth certificate in both the numerator and denominator. Race and Hispanic origin on the birth certificate are considered to be more accurate than on the death certificate. For more details, see “Deaths: Final Data for 2016” (3).

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 postcensal estimates, based on the 2010 census, for July 1, 2016. They were produced under a collaborative arrangement with the U.S. Census Bureau (30). For more details about changes in the standards for classifying race and ethnicity, and the related race bridging of population estimates, see “Deaths: Final Data for 2016” (3).

Population estimates used for this report are shown by sex and age in [Table I](#) and by race and Hispanic origin, sex, and age in [Table II](#). It is important to emphasize that the population data used to calculate the race-specific mortality statistics presented for non-Hispanic decedents 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., American Indian or Alaska Native) are likely to be affected much more than larger populations (31). Although the nature and magnitude of these errors are unknown, the potential for error should be kept in mind when evaluating trends and differentials.

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 calculated using live births in the denominator. For final birth figures used in the denominator for infant mortality rates, see “Births: Final Data for 2016” (32).

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 fewer than 100 deaths) 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 demographic groups or over time, 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 and sex: United States, July 1, 2016

| Age | Total | Male | Female |
|-------------------------|-------------|-------------|-------------|
| Total | 323,127,513 | 159,078,923 | 164,048,590 |
| Under 1 year | 3,970,145 | 2,030,478 | 1,939,667 |
| 1–4 years | 15,956,892 | 8,156,375 | 7,800,517 |
| 5–9 years | 20,429,799 | 10,429,923 | 9,999,876 |
| 10–14 years | 20,618,233 | 10,518,732 | 10,099,501 |
| 15–19 years | 21,129,999 | 10,801,846 | 10,328,153 |
| 20–24 years | 22,381,028 | 11,491,065 | 10,889,963 |
| 25–34 years | 44,677,243 | 22,599,738 | 22,077,505 |
| 35–44 years | 40,470,156 | 20,152,763 | 20,317,393 |
| 45–54 years | 42,786,679 | 21,106,139 | 21,680,540 |
| 55–64 years | 41,463,144 | 19,999,038 | 21,464,106 |
| 65 years and over | 49,244,195 | 21,792,826 | 27,451,369 |
| 65–74 years | 28,630,330 | 13,391,109 | 15,239,221 |
| 75–84 years | 14,233,534 | 6,176,874 | 8,056,660 |
| 85 years and over | 6,380,331 | 2,224,843 | 4,155,488 |

NOTE: Population estimates are based on the 2010 census.

SOURCE: U.S. Census Bureau.

Table II. Estimated population, by age, race and Hispanic origin, and sex: United States, July 1, 2016

| Age | Non-Hispanic white | | | Non-Hispanic black | | | Non-Hispanic American Indian or Alaska Native | | | Non-Hispanic Asian or Pacific Islander | | | Hispanic | | |
|-----------------------------|--------------------|------------|-------------|--------------------|------------|------------|---|-----------|-----------|--|-----------|------------|------------|------------|------------|
| | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female |
| Total | 201,324,760 | 99,244,006 | 102,080,754 | 42,141,669 | 20,181,252 | 21,960,417 | 2,711,067 | 1,330,302 | 1,380,765 | 19,479,730 | 9,307,742 | 10,171,988 | 57,470,287 | 29,015,621 | 28,454,666 |
| Under 1 year | 2,067,447 | 1,058,912 | 1,008,535 | 610,153 | 311,234 | 298,919 | 39,999 | 20,328 | 19,671 | 227,251 | 116,458 | 110,793 | 1,025,295 | 523,546 | 501,749 |
| 1–4 years | 8,289,748 | 4,250,603 | 4,039,145 | 2,447,475 | 1,244,085 | 1,203,390 | 159,861 | 81,179 | 78,682 | 939,929 | 481,901 | 458,028 | 4,119,879 | 2,098,607 | 2,021,272 |
| 5–9 years | 10,658,257 | 5,457,578 | 5,200,679 | 3,121,214 | 1,585,729 | 1,535,485 | 205,571 | 103,885 | 101,686 | 1,174,250 | 598,190 | 576,060 | 5,270,507 | 2,684,541 | 2,585,966 |
| 10–14 years | 11,150,427 | 5,716,252 | 5,434,175 | 3,052,700 | 1,548,271 | 1,504,429 | 204,687 | 103,537 | 101,150 | 1,187,991 | 597,077 | 590,914 | 5,022,428 | 2,553,595 | 2,468,833 |
| 15–19 years | 11,721,642 | 6,011,499 | 5,710,143 | 3,210,015 | 1,630,424 | 1,579,591 | 210,663 | 106,753 | 103,910 | 1,196,268 | 604,329 | 591,939 | 4,791,411 | 2,448,841 | 2,342,570 |
| 20–24 years | 12,458,059 | 6,404,432 | 6,053,627 | 3,488,007 | 1,773,358 | 1,714,649 | 223,172 | 113,803 | 109,369 | 1,409,285 | 715,850 | 693,435 | 4,802,505 | 2,483,622 | 2,318,883 |
| 25–34 years | 25,590,835 | 12,958,146 | 12,632,689 | 6,287,096 | 3,080,638 | 3,206,458 | 400,861 | 201,261 | 199,600 | 3,332,668 | 1,614,812 | 1,717,856 | 9,065,783 | 4,744,881 | 4,320,902 |
| 35–44 years | 23,529,269 | 11,833,452 | 11,695,817 | 5,300,553 | 2,502,760 | 2,797,793 | 326,934 | 160,392 | 166,542 | 3,064,386 | 1,434,612 | 1,629,774 | 8,249,014 | 4,221,547 | 4,027,467 |
| 45–54 years | 27,768,917 | 13,826,449 | 13,942,468 | 5,375,088 | 2,520,089 | 2,854,999 | 338,886 | 163,958 | 174,928 | 2,618,525 | 1,223,196 | 1,395,329 | 6,685,263 | 3,372,447 | 3,312,816 |
| 55–64 years | 29,786,828 | 14,541,571 | 15,245,257 | 4,791,092 | 2,188,564 | 2,602,528 | 315,558 | 147,662 | 167,896 | 2,100,227 | 955,393 | 1,144,834 | 4,469,439 | 2,165,848 | 2,303,591 |
| 65 years and over | 38,303,331 | 17,185,112 | 21,118,219 | 4,458,276 | 1,796,100 | 2,662,176 | 284,875 | 127,544 | 157,331 | 2,228,950 | 965,924 | 1,263,026 | 3,968,763 | 1,718,146 | 2,250,617 |
| 65–74 years | 21,948,869 | 10,433,627 | 11,515,242 | 2,749,683 | 1,181,842 | 1,567,841 | 184,141 | 85,832 | 98,309 | 1,346,405 | 598,584 | 747,821 | 2,401,232 | 1,091,224 | 1,310,008 |
| 75–84 years | 11,171,296 | 4,931,116 | 6,240,180 | 1,231,096 | 472,359 | 758,737 | 75,441 | 32,642 | 42,799 | 634,029 | 275,829 | 358,200 | 1,121,672 | 464,928 | 656,744 |
| 85 years and over | 5,183,166 | 1,820,369 | 3,362,797 | 477,497 | 141,899 | 335,598 | 25,293 | 9,070 | 16,223 | 248,516 | 91,511 | 157,005 | 445,859 | 161,994 | 283,865 |

NOTE: Population estimates are based on the 2010 census.

SOURCE: U.S. Census Bureau.

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