

Deaths: Leading Causes for 2017

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Abstract

Objectives—This report presents final 2017 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 2017,” 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 2017. Causes of death classified by the *International Classification of Diseases, 10th Revision (ICD–10)* 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 2017, 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 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 2017 were, in rank order: Congenital malformations, deformations and chromosomal abnormalities; Disorders related to short gestation and low birth weight, not elsewhere classified; Newborn affected by maternal complications of pregnancy; Sudden infant death syndrome; Accidents (unintentional injuries); Newborn affected by complications of placenta, cord and membranes; Bacterial sepsis of newborn; Diseases of the circulatory system; Respiratory distress of newborn; 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 6th, 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 2017 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 2017, 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#lcod_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 2017. Death certificates are generally completed by funeral directors, attending physicians, medical examiners, and coroners. Cause-of-death statistics for 2017 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 2017 are provided in [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 2017 compared with 2016 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 period—the period beginning shortly before and ending shortly

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, 10th 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 disease (C81)
36	Non-Hodgkin 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 disease (G20–G21)
48#	Alzheimer 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, 10th 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.

SOURCE: NCHS, National Vital Statistics System, Mortality.

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#icod_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 2017, 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 Chronic lower

respiratory diseases 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, 10th 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 disease and Non-Hodgkin 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)
52	Other and unspecified diseases of respiratory system (J22,J30–J39,J43–J44,J47–J68,J70–J98,U04)

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, 10th Revision (ICD-10)*]

Number ¹	Cause of death (based on ICD-10)	
	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, 10th 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 syndrome (Q90)
107	Edward syndrome (Q91.0–Q91.3)
108	Patau 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.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Results

In 2017, the 10 leading causes of death accounted for 74.0% of all deaths occurring in the United States. The rank order of causes in 2017 remained the same as in 2016 (12). The first and second leading causes of death, Diseases of heart (heart disease) and Malignant neoplasms (cancer), respectively, accounted for 44.3% of all deaths in 2017. Accidents (unintentional injuries) ranked third, Chronic lower respiratory diseases (CLRD) ranked fourth, and Cerebrovascular diseases (stroke) ranked fifth; together, these three causes accounted for 16.9% of all deaths in 2017. Completing the top 10 for 2017 were Alzheimer 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 12.7% of deaths in 2017.

The number of deaths due to eight leading causes increased significantly from 2016 to 2017: Influenza and pneumonia by

8.0%; unintentional injuries by 5.3%; suicide by 4.9%; Alzheimer disease by 4.6%; diabetes by 4.4%; CLRD by 3.6%; stroke by 3.0%; and heart disease by 1.9% (Table C).

Differences by sex

Similarities were observed in the ranking of certain causes of death among males and females in 2017. For both populations, heart disease and cancer ranked as the first and second leading causes of death, respectively (Figure 1, Table 1). In 2017, heart disease accounted for 24.2% of all deaths to males and 21.8% of all deaths to females. Cancer accounted for 21.9% of deaths to males and 20.7% of deaths to females.

Males and females diverged in the ranking of other causes of death. In 2017, males had a higher relative burden of mortality from unintentional injuries, which was the third leading cause of death for this group, accounting for 7.6% of deaths, but the sixth leading cause for females, accounting for 4.4% of deaths (Figure 1, Table 1). CLRD ranked fourth for males, accounting

Table C. Deaths and percentage of total deaths for the 10 leading causes of death: United States, 2016 and 2017

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

Cause of death (based on ICD-10)	Rank ¹	2017		2016	
		Deaths	Percent of total deaths	Deaths	Percent of total deaths
All causes . . . . .	...	2,813,503	100.0	2,744,248	100.0
Diseases of heart (I00-I09,I11,I13,I20-I51)	1	647,457	23.0	635,260	23.1
Malignant neoplasms (C00-C97)	2	599,108	21.3	598,038	21.8
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	3	169,936	6.0	161,374	5.9
Chronic lower respiratory diseases (J40-J47)	4	160,201	5.7	154,596	5.6
Cerebrovascular diseases (I60-I69)	5	146,383	5.2	142,142	5.2
Alzheimer disease (G30)	6	121,404	4.3	116,103	4.2
Diabetes mellitus (E10-E14)	7	83,564	3.0	80,058	2.9
Influenza and pneumonia (J09-J18)	8	55,672	2.0	51,537	1.9
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	9	50,633	1.8	50,046	1.8
Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	10	47,173	1.7	44,965	1.6

... Category not applicable.
¹Based on number of deaths.
 SOURCE: NCHS, National Vital Statistics System, Mortality.

for 5.2% of deaths, but third for females, accounting for 6.2% of deaths. Stroke ranked fifth for males but fourth for females. Females had a higher relative burden of mortality from stroke, which accounted for 6.2% of all deaths to females but 4.3% of all deaths to males. Diabetes ranked sixth for males (3.2% of deaths) but seventh for females (2.7%). Alzheimer disease ranked seventh for males, accounting for 2.6% of deaths, but it ranked fifth for females, accounting for 6.1% of deaths. Influenza and pneumonia ranked ninth for males (1.8% of deaths) but eighth for females (2.1%).

Additionally, some of the 10 leading causes of death were

unique to each population in 2017. Suicide ranked eighth for males (2.6% of deaths) but was not ranked among the 10 leading causes for females. Chronic liver disease and cirrhosis was the 10th leading cause for males (1.8% of deaths), but it was not in the top 10 for females. Kidney disease ranked 9th (1.8% of deaths) and Septicemia ranked 10th (1.6%) for females, but neither was among the 10 leading causes of death for males.

The rank order of several leading causes changed from 2016 (12) to 2017. For males, Influenza and pneumonia moved up into the top 10, becoming the ninth leading cause of death; Chronic liver disease and cirrhosis moved down from 9th to 10th rank;

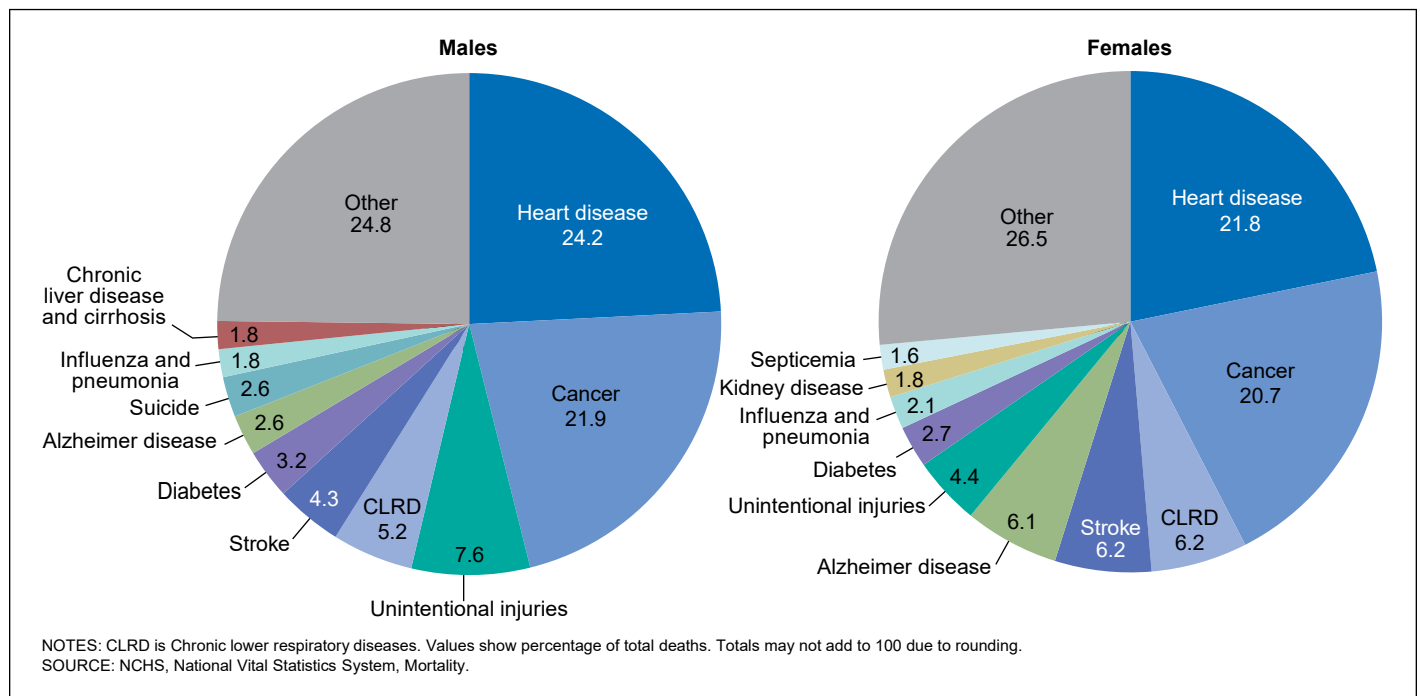


Figure 1. Percent distribution of the 10 leading causes of death, by sex: United States, 2017

and kidney disease dropped out of the top 10. For females, CLRD and stroke switched ranks to become the third and fourth leading causes of death, respectively.

Differences by age

In 2017, 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 31.8% of all deaths for age group 1–9, 40.6% of deaths for age group 10–24, and 34.6% of deaths for age group 25–44. In contrast, unintentional injuries was the third leading cause of death for age group 45–64 (8.8% of deaths) and the seventh leading cause for age groups 85 and over (2.8%) and 65 and over (2.7%). For the population aged 45–64, the leading cause of death was cancer, accounting for 28.4% of deaths. Cancer was the second leading cause for those aged 65 and over (20.7% of deaths), 1–9 (11.9%), and 85 and over (11.8%); the third leading cause for those aged 25–44 (10.4%); and the fourth leading cause for those aged 10–24 (5.1%). For the population aged 65 and over, heart disease was the leading cause of death, accounting for 25.1% of deaths. It was also the leading cause of death for the population aged 85 and over, accounting for 28.6% of deaths. However, heart disease was the fifth leading cause for age groups 1–9 (3.2% of deaths) and 10–24 (2.9%); the fourth leading cause for age group 25–44 (10.1%); and the second leading cause for age group 45–64 (20.8%).

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 (14.4% of deaths), the fourth leading cause for age group 1–9 (7.3%), and the fifth leading cause for age group 25–44 (6.3%). 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 groups 10–24 (19.2% of deaths) and 25–44 (10.9%). In contrast, it was the eighth leading cause for those aged 45–64 (3.1% 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 (9.8% of deaths) and the sixth leading cause for age group 10–24 (1.5%), 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 (6.6% of deaths), the fourth leading cause for age group 45–64 (4.2%), and the fifth leading cause

for those aged 85 and over (5.2%). In contrast, it ranked eighth for age groups 1–9 (1.4% of deaths) and 10–24 (0.7%), 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%). However, it was the 7th leading cause for age groups 45–64 (3.3% of deaths) and 1–9 (1.7%); the 8th leading cause for age group 25–44 (1.7%); and the 10th leading cause for age group 10–24 (0.6%). Alzheimer disease was one of the major causes of death at the oldest ages, ranking third for those aged 85 and over (9.2% of deaths) and fifth for those aged 65 and over (5.8%). 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 2017. 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 18.1% in the non-Hispanic AIAN population compared with 23.3% each in the non-Hispanic white and non-Hispanic black populations, 21.3% in the non-Hispanic API population, and 20.0% 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 25.1% of all deaths in the non-Hispanic API population, 21.4% in the non-Hispanic white population, 20.8% in the non-Hispanic black population, 20.6% in the Hispanic population, and 17.0% in the non-Hispanic AIAN population. CLRD ranked third for the non-Hispanic white population, accounting for 6.4% of deaths in this group, but it ranked sixth for the non-Hispanic AIAN (4.9% of deaths) and non-Hispanic black (3.3%) populations, and eighth for the non-Hispanic API and Hispanic populations (2.8% each). Unintentional injuries, stroke, Alzheimer 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 (5.8% of deaths) and non-Hispanic API (4.5%) populations, but it ranked third for the non-Hispanic AIAN (11.6%), Hispanic (8.5%), and non-Hispanic black (5.9%) populations. Stroke ranked fifth for the non-Hispanic white population but third for the non-Hispanic API population, fourth for the non-Hispanic black and Hispanic populations, and seventh for the non-Hispanic AIAN population. The percentage of deaths attributable to stroke was highest for the non-Hispanic API population (7.5% of deaths) and lowest for the non-Hispanic AIAN population (3.8%). Alzheimer disease

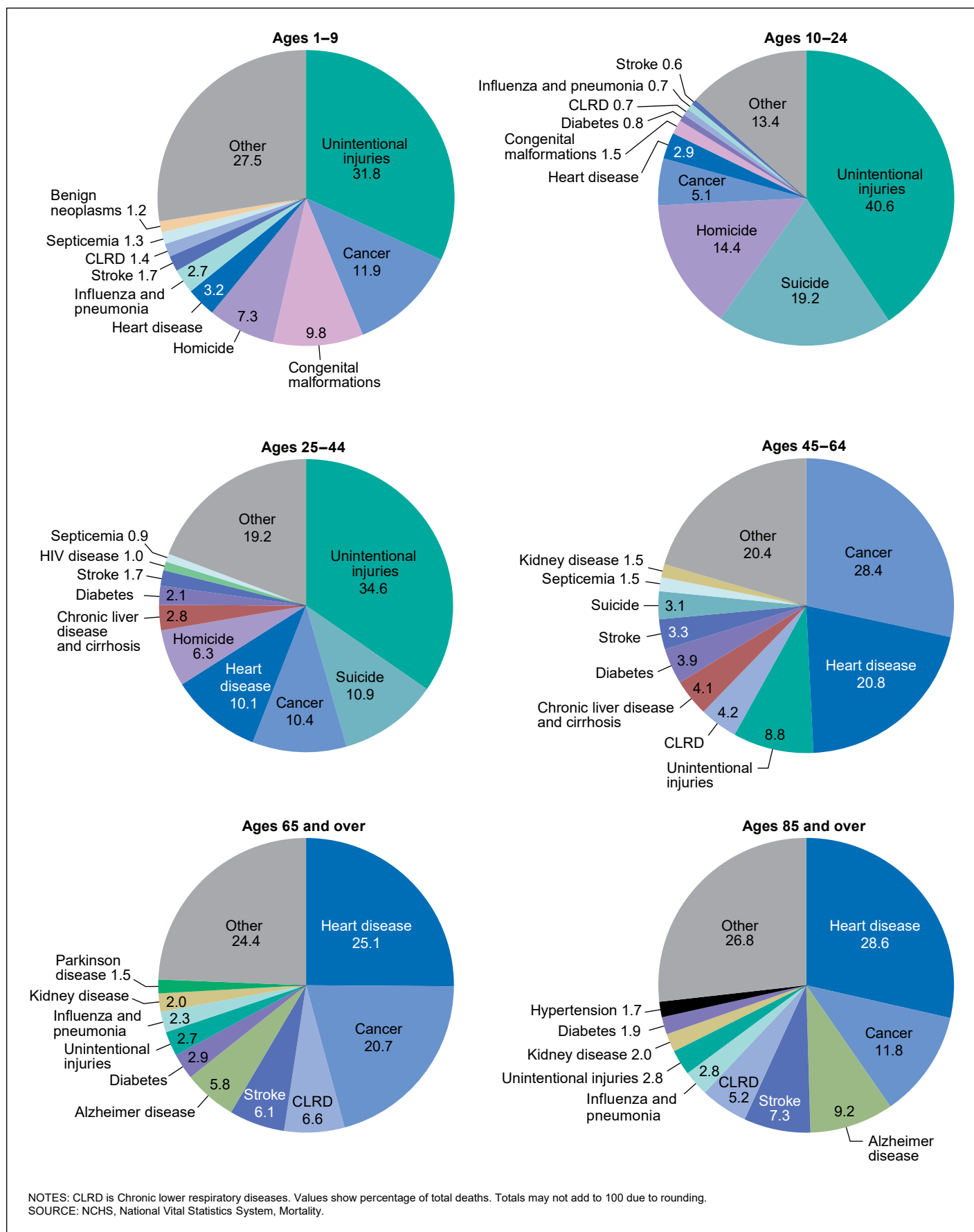


Figure 2. Percent distribution of the 10 leading causes of death, by age group: United States, 2017

Table D. Deaths and percentage of total deaths for the 10 leading causes of death, by race and Hispanic origin: United States, 2017

[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, 10th 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.....	...	2,179,857	100.0	...	335,667	100.0	...	19,198	100.0	...	72,598	100.0	...	197,249	100.0
Diseases of heart..... (I00-I09,I11,I13,I20-I51)	1	508,485	23.3	1	78,161	23.3	1	3,472	18.1	2	15,490	21.3	2	39,402	20.0
Malignant neoplasms..... (C00-C97)	2	465,679	21.4	2	69,872	20.8	2	3,257	17.0	1	18,257	25.1	1	40,550	20.6
Chronic lower respiratory diseases..... (J40-J47)	3	139,833	6.4	6	11,217	3.3	6	939	4.9	8	2,063	2.8	8	5,599	2.8
Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	4	127,029	5.8	3	19,869	5.9	3	2,229	11.6	4	3,256	4.5	3	16,757	8.5
Cerebrovascular diseases..... (I60-I69)	5	110,038	5.0	4	19,088	5.7	7	737	3.8	3	5,430	7.5	4	10,775	5.5
Alzheimer disease..... (G30)	6	101,876	4.7	9	8,991	2.7	10	376	2.0	6	2,583	3.6	6	7,383	3.7
Diabetes mellitus..... (E10-E14)	7	55,116	2.5	5	14,798	4.4	4	1,114	5.8	5	3,047	4.2	5	9,216	4.7
Influenza and pneumonia..... (J09-J18)	8	43,397	2.0	12	5,556	1.7	9	391	2.0	7	2,286	3.1	11	3,851	2.0
Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	9	38,106	1.7	16	2,940	0.9	8	602	3.1	11	1,414	1.9	9	3,933	2.0
Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	10	35,191	1.6	8	9,542	2.8	11	333	1.7	9	1,534	2.1	10	3,928	2.0
Chronic liver disease and cirrhosis..... (K70,K73-K74)	11	30,223	1.4	14	3,290	1.0	5	1,047	5.5	14	725	1.0	7	6,286	3.2
Septicemia..... (A40-A41)	12	30,198	1.4	10	6,568	2.0	12	295	1.5	12	879	1.2	13	2,869	1.5
Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	14	24,465	1.1	11	6,273	1.9	14	190	1.0	10	1,472	2.0	14	2,799	1.4
Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	20	5,747	0.3	7	9,908	3.0	13	266	1.4	18	347	0.5	12	3,186	1.6

... 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.

ranked 6th for the non-Hispanic white (4.7% of deaths), Hispanic (3.7%), and non-Hispanic API (3.6%) populations, but it ranked 9th for the non-Hispanic black population (2.7%) and 10th for the non-Hispanic AIAN population (2.0%). Diabetes ranked seventh for the non-Hispanic white population (2.5% of deaths) but fourth for the non-Hispanic AIAN population (5.8%), and fifth for the Hispanic (4.7%), non-Hispanic black (4.4%), and non-Hispanic API (4.2%) populations.

Some of the leading causes were shared by some groups but not by others. Influenza and pneumonia ranked seventh for the non-Hispanic API population, eighth for the non-Hispanic white population, and ninth 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 and non-Hispanic API populations but was among the 10 leading causes for the other three groups: eighth for the non-Hispanic AIAN population and ninth for the non-Hispanic white and Hispanic populations. Kidney disease ranked 8th for the non-Hispanic black population, 9th for the non-Hispanic API population, and 10th for the non-Hispanic white and Hispanic 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, two groups 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. For the non-Hispanic API population, Essential hypertension and hypertensive renal disease (hypertension) was ranked 10th but was not a leading cause of death for the other groups.

The rank order of several leading causes changed from 2016 (12) to 2017. For the non-Hispanic black population, unintentional injuries and stroke switched ranks to become

the third and fourth leading causes of death, respectively. For the non-Hispanic AIAN population, Influenza and pneumonia and Alzheimer disease switched ranks to become the 9th and 10th leading causes, respectively. For the non-Hispanic API population, kidney disease moved up from 10th to 9th rank; hypertension moved up into the top 10, becoming the 10th leading cause; and suicide dropped out of the top 10. For the Hispanic population, suicide and kidney disease switched ranks, becoming the 9th and 10th leading causes of death, respectively.

Leading causes of infant death

The leading cause of infant death in 2017 was congenital malformations, which accounted for 20.5% of all infant deaths (Table E). The second leading cause was Disorders related to short gestation and low birth weight, not elsewhere classified (low birth weight) (16.8% of deaths). Newborn affected by maternal complications of pregnancy (maternal complications) was the third leading cause (6.4% of deaths), and Sudden infant death syndrome (SIDS) was the fourth leading cause (6.1%). Unintentional injuries ranked fifth and accounted for 5.9% of deaths. In 2017, 55.7% of infant deaths were attributable to these five leading causes. Other leading causes in 2017 were Newborn affected by complications of placenta, cord and membranes (ranked 6th); Bacterial sepsis of newborn (7th); Diseases of the circulatory system (8th); Respiratory distress of newborn (9th); and Neonatal hemorrhage (10th). Together, these 10 leading causes of infant death accounted for 67.8% of all infant deaths.

Some of the rankings for the leading causes of infant death changed in 2017 compared with 2016 (12). Maternal complications and SIDS switched ranks to become the third and fourth leading causes of death, respectively. Additionally, Diseases of the circulatory system and Respiratory distress of newborn switched ranks to become the eighth and ninth leading causes, respectively.

Table E. Deaths and percentage of total deaths for the 10 leading causes of infant death: United States, 2016 and 2017

Cause of death (based on <i>International Classification of Diseases, 10th Revision</i>)	2017			2016		
	Rank ¹	Deaths	Percent of total deaths	Rank ¹	Deaths	Percent of total deaths
All causes . . . . .	...	22,335	100.0	...	23,161	100.0
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1	4,580	20.5	1	4,816	20.8
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2	3,749	16.8	2	3,927	17.0
Newborn affected by maternal complications of pregnancy (P01)	3	1,432	6.4	4	1,402	6.1
Sudden infant death syndrome (R95)	4	1,363	6.1	3	1,500	6.5
Accidents (unintentional injuries) (V01–X59)	5	1,317	5.9	5	1,219	5.3
Newborn affected by complications of placenta, cord and membranes (P02)	6	843	3.8	6	841	3.6
Bacterial sepsis of newborn (P36)	7	592	2.7	7	583	2.5
Diseases of the circulatory system (I00–I99)	8	449	2.0	9	460	2.0
Respiratory distress of newborn (P22)	9	440	2.0	8	488	2.1
Neonatal hemorrhage (P50–P52,P54)	10	379	1.7	10	398	1.7

... Category not applicable.

¹Based on number of deaths.

SOURCE: NCHS, National Vital Statistics System, Mortality.

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). Low birth weight was the leading cause of neonatal death in 2017. In contrast, congenital malformations was the leading cause of postneonatal death. SIDS—the fourth 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; Influenza and pneumonia, ranked seventh; and Septicemia, ranked eighth.

The rank order of the 10 leading causes of neonatal deaths remained the same in 2017 as in 2016 (12). The rankings for the 10 leading causes of postneonatal deaths changed in 2017: Influenza and pneumonia and Septicemia switched ranks to become the seventh and eighth leading causes, respectively.

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).

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

Table F. Deaths and percentage of total deaths for the 10 leading causes of neonatal and postneonatal deaths: United States, 2017

[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, 10th Revision (ICD–10)*]

Rank ¹	Cause of death (based on ICD–10)	Deaths	Percent of total deaths
Neonatal			
...	All causes	14,821	100.0
1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	3,646	24.6
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	3,336	22.5
3	Newborn affected by maternal complications of pregnancy (P01)	1,421	9.6
4	Newborn affected by complications of placenta, cord and membranes (P02)	833	5.6
5	Bacterial sepsis of newborn (P36)	576	3.9
6	Respiratory distress of newborn (P22)	419	2.8
7	Neonatal hemorrhage (P50–P52,P54)	367	2.5
8	Intrauterine hypoxia and birth asphyxia (P20–P21)	316	2.1
9	Necrotizing enterocolitis of newborn (P77)	301	2.0
10	Atelectasis (P28.0–P28.1)	245	1.7
...	All other causes (residual)	3,361	22.7
Postneonatal			
...	All causes	7,514	100.0
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,244	16.6
2	Sudden infant death syndrome (R95)	1,240	16.5
3	Accidents (unintentional injuries) (V01–X59)	1,207	16.1
4	Diseases of the circulatory system (I00–I99)	361	4.8
5	Assault (homicide) (*U01,X85–Y09)	275	3.7
6	Diarrhea and gastroenteritis of infectious origin (A09)	176	2.3
7	Influenza and pneumonia (J09–J18)	155	2.1
8	Septicemia (A40–A41)	143	1.9
9	Chronic respiratory disease originating in the perinatal period (P27)	114	1.5
10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	103	1.4
...	All other causes (residual)	2,496	33.2

... Category not applicable.

¹Based on number of deaths.

SOURCE: NCHS, National Vital Statistics System, Mortality.

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 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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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, 2017

[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, 10th 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	2,813,503	100.0	863.8	...	All causes	3,217	100.0	15.5
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	647,457	23.0	198.8	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	860	26.7	4.1
2	Malignant neoplasms (C00-C97)	599,108	21.3	183.9	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	517	16.1	2.5
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	169,936	6.0	52.2	3	Malignant neoplasms (C00-C97)	437	13.6	2.1
4	Chronic lower respiratory diseases (J40-J47)	160,201	5.7	49.2	4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	191	5.9	0.9
5	Cerebrovascular diseases (I60-I69)	146,383	5.2	44.9	5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	178	5.5	0.9
6	Alzheimer disease (G30)	121,404	4.3	37.3	6	Diseases of heart (I00-I09,I11,I13,I20-I51)	104	3.2	0.5
7	Diabetes mellitus (E10-E14)	83,564	3.0	25.7	7	Chronic lower respiratory diseases (J40-J47)	75	2.3	0.4
8	Influenza and pneumonia (J09-J18)	55,672	2.0	17.1	8	Cerebrovascular diseases (I60-I69)	56	1.7	0.3
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	50,633	1.8	15.5	9	Influenza and pneumonia (J09-J18)	51	1.6	0.2
10	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	47,173	1.7	14.5	10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	31	1.0	0.1
...	All other causes (residual)	731,972	26.0	224.7	...	All other causes (residual)	717	22.3	3.5
All races and origins, both sexes, 1-4 years					All races and origins, both sexes, 15-19 years				
...	All causes	3,880	100.0	24.3	...	All causes	10,886	100.0	51.5
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,267	32.7	7.9	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	3,948	36.3	18.7
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	424	10.9	2.7	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	2,491	22.9	11.8
3	Malignant neoplasms (C00-C97)	325	8.4	2.0	3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	1,835	16.9	8.7
4	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	303	7.8	1.9	4	Malignant neoplasms (C00-C97)	560	5.1	2.7
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	127	3.3	0.8	5	Diseases of heart (I00-I09,I11,I13,I20-I51)	307	2.8	1.5
6	Influenza and pneumonia (J09-J18)	104	2.7	0.7	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	168	1.5	0.8
7	Cerebrovascular diseases (I60-I69)	66	1.7	0.4	7	Diabetes mellitus (E10-E14)	76	0.7	0.4
8	Septicemia (A40-A41)	48	1.2	0.3	8	Influenza and pneumonia (J09-J18)	69	0.6	0.3
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	44	1.1	0.3	9	Cerebrovascular diseases (I60-I69)	66	0.6	0.3
10	Certain conditions originating in the perinatal period (P00-P96)	42	1.1	0.3	10	Chronic lower respiratory diseases (J40-J47)	65	0.6	0.3
...	All other causes (residual)	1,130	29.1	7.1	...	All other causes (residual)	1,301	12.0	6.2
All races and origins, both sexes, 5-9 years					All races and origins, both sexes, 20-24 years				
...	All causes	2,354	100.0	11.6	...	All causes	21,139	100.0	95.6
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	718	30.5	3.5	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	9,493	44.9	42.9
2	Malignant neoplasms (C00-C97)	418	17.8	2.1	2	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	3,761	17.8	17.0
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	188	8.0	0.9	3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	3,070	14.5	13.9
4	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	154	6.5	0.8	4	Malignant neoplasms (C00-C97)	814	3.9	3.7
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	75	3.2	0.4	5	Diseases of heart (I00-I09,I11,I13,I20-I51)	606	2.9	2.7
6	Influenza and pneumonia (J09-J18)	62	2.6	0.3	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	187	0.9	0.8
7	Chronic lower respiratory diseases (J40-J47)	59	2.5	0.3	7	Diabetes mellitus (E10-E14)	172	0.8	0.8
8	Cerebrovascular diseases (I60-I69)	41	1.7	0.2	8	Pregnancy, childbirth and the puerperium (O00-O99)	140	0.7	0.6
9	Septicemia (A40-A41)	33	1.4	0.2	9	Chronic lower respiratory diseases (J40-J47)	123	0.6	0.6
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	31	1.3	0.2	10	Influenza and pneumonia (J09-J18)	121	0.6	0.5
...	All other causes (residual)	575	24.4	2.8	...	All other causes (residual)	2,652	12.5	12.0

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, 2017—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, 10th 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	60,215	100.0	132.8	...	All causes	372,006	100.0	885.8
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	25,669	42.6	56.6	1	Malignant neoplasms	114,810	30.9	273.4
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	7,948	13.2	17.5	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	80,102	21.5	190.7
3	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	5,488	9.1	12.1	3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	23,408	6.3	55.7
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	3,681	6.1	8.1	4	Chronic lower respiratory diseases	18,667	5.0	44.4
5	Malignant neoplasms	3,616	6.0	8.0	5	Diabetes mellitus	14,904	4.0	35.5
6	Chronic liver disease and cirrhosis	918	1.5	2.0	6	Chronic liver disease and cirrhosis	13,737	3.7	32.7
7	Diabetes mellitus	823	1.4	1.8	7	Cerebrovascular diseases	12,708	3.4	30.3
8	Cerebrovascular diseases	593	1.0	1.3	8	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	7,982	2.1	19.0
9	Human immunodeficiency virus (HIV) disease	513	0.9	1.1	9	Septicemia	5,838	1.6	13.9
10	Pregnancy, childbirth and the puerperium	512	0.9	1.1	10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	5,671	1.5	13.5
...	All other causes	10,454	17.4	23.1	...	All other causes	74,179	19.9	176.6
All races and origins, both sexes, 35–44 years					All races and origins, both sexes, 65 years and over				
...	All causes	79,796	100.0	195.2	...	All causes	2,067,404	100.0	4,065.0
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	22,828	28.6	55.8	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	519,052	25.1	1,020.6
2	Malignant neoplasms	10,900	13.7	26.7	2	Malignant neoplasms	427,896	20.7	841.3
3	Diseases of heart (I00–I09,I11,I13,I20–I51)	10,401	13.0	25.4	3	Chronic lower respiratory diseases	136,139	6.6	267.7
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	7,335	9.2	17.9	4	Cerebrovascular diseases	125,653	6.1	247.1
5	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	3,351	4.2	8.2	5	Alzheimer disease	120,107	5.8	236.2
6	Chronic liver disease and cirrhosis	3,000	3.8	7.3	6	Diabetes mellitus	59,020	2.9	116.0
7	Diabetes mellitus	2,118	2.7	5.2	7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	55,951	2.7	110.0
8	Cerebrovascular diseases	1,811	2.3	4.4	8	Influenza and pneumonia	46,862	2.3	92.1
9	Septicemia	854	1.1	2.1	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	41,670	2.0	81.9
10	Human immunodeficiency virus (HIV) disease	831	1.0	2.0	10	Parkinson disease	31,177	1.5	61.3
...	All other causes	16,367	20.5	40.0	...	All other causes	503,877	24.4	990.7
All races and origins, both sexes, 45–54 years					All races and origins, both sexes, 65–74 years				
...	All causes	170,142	100.0	401.5	...	All causes	531,610	100.0	1,790.9
1	Malignant neoplasms	39,266	23.1	92.7	1	Malignant neoplasms	168,458	31.7	567.5
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	32,658	19.2	77.1	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	116,633	21.9	392.9
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	24,461	14.4	57.7	3	Chronic lower respiratory diseases	39,704	7.5	133.8
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	8,561	5.0	20.2	4	Cerebrovascular diseases	22,690	4.3	76.4
5	Chronic liver disease and cirrhosis	8,312	4.9	19.6	5	Diabetes mellitus	21,344	4.0	71.9
6	Diabetes mellitus	6,409	3.8	15.1	6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	15,038	2.8	50.7
7	Cerebrovascular diseases	5,198	3.1	12.3	7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	10,302	1.9	34.7
8	Chronic lower respiratory diseases	3,975	2.3	9.4	8	Chronic liver disease and cirrhosis	9,400	1.8	31.7
9	Septicemia	2,441	1.4	5.8	9	Septicemia	9,164	1.7	30.9
10	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	2,275	1.3	5.4	10	Influenza and pneumonia	8,784	1.7	29.6
...	All other causes	36,586	21.5	86.3	...	All other causes	110,093	20.7	370.9

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2017—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, 10th 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	657,759	100.0	4,472.6	...	All causes	2,232	100.0	27.3
1	Malignant neoplasms (C00–C97)	155,917	23.7	1,060.2	1	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	770	34.5	9.4
2	Diseases of heart (I00–I09, I11, I13, I20–I51)	151,249	23.0	1,028.4	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	225	10.1	2.8
3	Chronic lower respiratory diseases (J40–J47)	51,116	7.8	347.6	3	Malignant neoplasms (C00–C97)	184	8.2	2.2
4	Cerebrovascular diseases (I60–I69)	38,697	5.9	263.1	4	Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	168	7.5	2.1
5	Alzheimer disease (G30)	32,309	4.9	219.7	5	Diseases of heart (I00–I09, I11, I13, I20–I51)	67	3.0	0.8
6	Diabetes mellitus (E10–E14)	20,703	3.1	140.8	6	Influenza and pneumonia (J09–J18)	63	2.8	0.8
7	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	16,661	2.5	113.3	7	Cerebrovascular diseases (I60–I69)	42	1.9	0.5
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07, N17–N19, N25–N27)	14,093	2.1	95.8	8	Septicemia (A40–A41)	26	1.2	0.3
9	Influenza and pneumonia (J09–J18)	13,802	2.1	93.8	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	19	0.9	*
10	Parkinson disease (G20–G21)	13,172	2.0	89.6	9	Certain conditions originating in the perinatal period (P00–P96)	19	0.9	*
...	All other causes (residual)	150,040	22.8	1,020.2	...	All other causes (residual)	649	29.1	7.9
All races and origins, both sexes, 85 years and over					All races and origins, male, 5–9 years				
...	All causes	878,035	100.0	13,573.6	...	All causes	1,299	100.0	12.5
1	Diseases of heart (I00–I09, I11, I13, I20–I51)	251,170	28.6	3,882.9	1	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	421	32.4	4.1
2	Malignant neoplasms (C00–C97)	103,521	11.8	1,600.3	2	Malignant neoplasms (C00–C97)	199	15.3	1.9
3	Alzheimer disease (G30)	80,517	9.2	1,244.7	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	104	8.0	1.0
4	Cerebrovascular diseases (I60–I69)	64,266	7.3	993.5	4	Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	83	6.4	0.8
5	Chronic lower respiratory diseases (J40–J47)	45,319	5.2	700.6	5	Diseases of heart (I00–I09, I11, I13, I20–I51)	42	3.2	0.4
6	Influenza and pneumonia (J09–J18)	24,276	2.8	375.3	6	Chronic lower respiratory diseases (J40–J47)	37	2.8	0.4
7	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	24,252	2.8	374.9	7	Influenza and pneumonia (J09–J18)	30	2.3	0.3
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07, N17–N19, N25–N27)	17,275	2.0	267.1	8	Cerebrovascular diseases (I60–I69)	20	1.5	0.2
9	Diabetes mellitus (E10–E14)	16,973	1.9	262.4	9	Septicemia (A40–A41)	16	1.2	*
10	Essential hypertension and hypertensive renal disease (I10, I12, I15)	14,969	1.7	231.4	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	16	1.2	*
...	All other causes (residual)	235,497	26.8	3,640.6	...	All other causes (residual)	331	25.5	3.2
All races and origins, male, all ages ⁴					All races and origins, male, 10–14 years				
...	All causes	1,439,111	100.0	897.2	...	All causes	1,970	100.0	18.6
1	Diseases of heart (I00–I09, I11, I13, I20–I51)	347,879	24.2	216.9	1	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	564	28.6	5.3
2	Malignant neoplasms (C00–C97)	315,147	21.9	196.5	2	Intentional self-harm (suicide) (*U03, X60–X84, Y87.0)	348	17.7	3.3
3	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	109,722	7.6	68.4	3	Malignant neoplasms (C00–C97)	256	13.0	2.4
4	Chronic lower respiratory diseases (J40–J47)	75,005	5.2	46.8	4	Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	113	5.7	1.1
5	Cerebrovascular diseases (I60–I69)	61,645	4.3	38.4	5	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	104	5.3	1.0
6	Diabetes mellitus (E10–E14)	46,302	3.2	28.9	6	Diseases of heart (I00–I09, I11, I13, I20–I51)	54	2.7	0.5
7	Alzheimer disease (G30)	37,325	2.6	23.3	7	Chronic lower respiratory diseases (J40–J47)	47	2.4	0.4
8	Intentional self-harm (suicide) (*U03, X60–X84, Y87.0)	36,782	2.6	22.9	8	Cerebrovascular diseases (I60–I69)	33	1.7	0.3
9	Influenza and pneumonia (J09–J18)	26,558	1.8	16.6	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	19	1.0	*
10	Chronic liver disease and cirrhosis (K70, K73–K74)	26,451	1.8	16.5	9	Influenza and pneumonia (J09–J18)	19	1.0	*
...	All other causes (residual)	356,295	24.8	222.1	...	All other causes (residual)	413	21.0	3.9

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2017—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}
All races and origins, male, 15–19 years					All races and origins, male, 35–44 years				
...	All causes	7,849	100.0	72.7	...	All causes	50,792	100.0	249.4
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	2,755	35.1	25.5	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	16,243	32.0	79.7
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,938	24.7	17.9	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	7,074	13.9	34.7
3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,592	20.3	14.7	3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	5,596	11.0	27.5
4	Malignant neoplasms .....(C00–C97)	332	4.2	3.1	4	Malignant neoplasms .....(C00–C97)	4,725	9.3	23.2
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	209	2.7	1.9	5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	2,676	5.3	13.1
6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	91	1.2	0.8	6	Chronic liver disease and cirrhosis.....(K70,K73–K74)	1,853	3.6	9.1
7	Chronic lower respiratory diseases (J40–J47)	44	0.6	0.4	7	Diabetes mellitus .....(E10–E14)	1,298	2.6	6.4
8	Diabetes mellitus .....(E10–E14)	41	0.5	0.4	8	Cerebrovascular diseases (I60–I69)	1,034	2.0	5.1
9	Cerebrovascular diseases (I60–I69)	37	0.5	0.3	9	Human immunodeficiency virus (HIV) disease .....(B20–B24)	567	1.1	2.8
10	Influenza and pneumonia .....(J09–J18)	36	0.5	0.3	10	Septicemia .....(A40–A41)	456	0.9	2.2
...	All other causes (residual)	774	9.9	7.2	...	All other causes (residual)	9,270	18.3	45.5
All races and origins, male, 20–24 years					All races and origins, male, 45–54 years				
...	All causes	15,654	100.0	137.9	...	All causes	103,804	100.0	496.5
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	6,991	44.7	61.6	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	22,808	22.0	109.1
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	3,089	19.7	27.2	2	Malignant neoplasms .....(C00–C97)	18,898	18.2	90.4
3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	2,642	16.9	23.3	3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	16,877	16.3	80.7
4	Malignant neoplasms .....(C00–C97)	501	3.2	4.4	4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	6,331	6.1	30.3
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	411	2.6	3.6	5	Chronic liver disease and cirrhosis.....(K70,K73–K74)	5,389	5.2	25.8
6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	117	0.7	1.0	6	Diabetes mellitus .....(E10–E14)	4,020	3.9	19.2
7	Diabetes mellitus .....(E10–E14)	103	0.7	0.9	7	Cerebrovascular diseases (I60–I69)	3,010	2.9	14.4
8	Influenza and pneumonia .....(J09–J18)	73	0.5	0.6	8	Chronic lower respiratory diseases .....(J40–J47)	1,832	1.8	8.8
9	Chronic lower respiratory diseases (J40–J47)	71	0.5	0.6	9	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,737	1.7	8.3
10	Legal intervention .....(Y35,Y89.0)	59	0.4	0.5	10	Septicemia .....(A40–A41)	1,323	1.3	6.3
...	All other causes (residual)	1,597	10.2	14.1	...	All other causes (residual)	21,579	20.8	103.2
All races and origins, male, 25–34 years					All races and origins, male, 55–64 years				
...	All causes	42,149	100.0	183.3	...	All causes	225,335	100.0	1,112.3
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	19,001	45.1	82.6	1	Malignant neoplasms .....(C00–C97)	62,380	27.7	307.9
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	6,348	15.1	27.6	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	55,335	24.6	273.2
3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	4,607	10.9	20.0	3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	16,260	7.2	80.3
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	2,449	5.8	10.7	4	Chronic lower respiratory diseases (J40–J47)	9,424	4.2	46.5
5	Malignant neoplasms .....(C00–C97)	1,690	4.0	7.4	5	Diabetes mellitus .....(E10–E14)	9,282	4.1	45.8
6	Chronic liver disease and cirrhosis.....(K70,K73–K74)	551	1.3	2.4	6	Chronic liver disease and cirrhosis.....(K70,K73–K74)	9,223	4.1	45.5
7	Diabetes mellitus .....(E10–E14)	471	1.1	2.0	7	Cerebrovascular diseases (I60–I69)	7,332	3.3	36.2
8	Human immunodeficiency virus (HIV) disease .....(B20–B24)	369	0.9	1.6	8	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	6,040	2.7	29.8
9	Cerebrovascular diseases (I60–I69)	339	0.8	1.5	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	3,199	1.4	15.8
10	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	276	0.7	1.2	10	Septicemia .....(A40–A41)	3,160	1.4	15.6
...	All other causes (residual)	6,048	14.3	26.3	...	All other causes (residual)	43,700	19.4	215.7

See footnotes at end of table.

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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}
All races and origins, male, 65 years and over					All races and origins, male, 85 years and over				
...	All causes	975,468	100.0	4,323.0	...	All causes	334,866	100.0	14,689.2
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	259,248	26.6	1,148.9	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	100,787	30.1	4,421.1
2	Malignant neoplasms (C00-C97)	225,950	23.2	1,001.3	2	Malignant neoplasms (C00-C97)	49,519	14.8	2,172.2
3	Chronic lower respiratory diseases (J40-J47)	63,004	6.5	279.2	3	Alzheimer disease (G30)	21,574	6.4	946.4
4	Cerebrovascular diseases (I60-I69)	49,693	5.1	220.2	4	Cerebrovascular diseases (I60-I69)	20,137	6.0	883.3
5	Alzheimer disease (G30)	36,757	3.8	162.9	5	Chronic lower respiratory diseases (J40-J47)	18,682	5.6	819.5
6	Diabetes mellitus (E10-E14)	31,064	3.2	137.7	6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	10,001	3.0	438.7
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	29,065	3.0	128.8	7	Influenza and pneumonia (J09-J18)	9,846	2.9	431.9
8	Influenza and pneumonia (J09-J18)	21,684	2.2	96.1	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	7,779	2.3	341.2
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	20,644	2.1	91.5	9	Parkinson disease (G20-G21)	7,339	2.2	321.9
10	Parkinson disease (G20-G21)	18,872	1.9	83.6	10	Diabetes mellitus (E10-E14)	7,251	2.2	318.1
...	All other causes (residual)	219,487	22.5	972.7	...	All other causes (residual)	81,951	24.5	3,594.9
All races and origins, male, 65-74 years					All races and origins, female, all ages ⁴				
...	All causes	303,931	100.0	2,190.2	...	All causes	1,374,392	100.0	831.4
1	Malignant neoplasms (C00-C97)	93,082	30.6	670.8	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	299,578	21.8	181.2
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	74,723	24.6	538.5	2	Malignant neoplasms (C00-C97)	283,961	20.7	171.8
3	Chronic lower respiratory diseases (J40-J47)	20,183	6.6	145.4	3	Chronic lower respiratory diseases (J40-J47)	85,196	6.2	51.5
4	Diabetes mellitus (E10-E14)	12,602	4.1	90.8	4	Cerebrovascular diseases (I60-I69)	84,738	6.2	51.3
5	Cerebrovascular diseases (I60-I69)	12,032	4.0	86.7	5	Alzheimer disease (G30)	84,079	6.1	50.9
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	9,797	3.2	70.6	6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	60,214	4.4	36.4
7	Chronic liver disease and cirrhosis (K70,K73-K74)	6,059	2.0	43.7	7	Diabetes mellitus (E10-E14)	37,262	2.7	22.5
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	5,642	1.9	40.7	8	Influenza and pneumonia (J09-J18)	29,114	2.1	17.6
9	Influenza and pneumonia (J09-J18)	4,782	1.6	34.5	9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	24,889	1.8	15.1
10	Septicemia (A40-A41)	4,635	1.5	33.4	10	Septicemia (A40-A41)	21,319	1.6	12.9
...	All other causes (residual)	60,394	19.9	435.2	...	All other causes (residual)	364,042	26.5	220.2
All races and origins, male, 75-84 years					All races and origins, female, 1-4 years				
...	All causes	336,671	100.0	5,254.0	...	All causes	1,648	100.0	21.1
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	83,738	24.9	1,306.8	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	497	30.2	6.4
2	Malignant neoplasms (C00-C97)	83,349	24.8	1,300.7	2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	199	12.1	2.5
3	Chronic lower respiratory diseases (J40-J47)	24,139	7.2	376.7	3	Malignant neoplasms (C00-C97)	141	8.6	1.8
4	Cerebrovascular diseases (I60-I69)	17,524	5.2	273.5	4	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	135	8.2	1.7
5	Alzheimer disease (G30)	12,098	3.6	188.8	5	Diseases of heart (I00-I09,I11,I13,I20-I51)	60	3.6	0.8
6	Diabetes mellitus (E10-E14)	11,211	3.3	175.0	6	Influenza and pneumonia (J09-J18)	41	2.5	0.5
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	9,267	2.8	144.6	7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	25	1.5	0.3
8	Parkinson disease (G20-G21)	8,461	2.5	132.0	8	Cerebrovascular diseases (I60-I69)	24	1.5	0.3
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	7,223	2.1	112.7	9	Certain conditions originating in the perinatal period (P00-P96)	23	1.4	0.3
10	Influenza and pneumonia (J09-J18)	7,056	2.1	110.1	10	Septicemia (A40-A41)	22	1.3	0.3
...	All other causes (residual)	72,605	21.6	1,133.1	...	All other causes (residual)	481	29.2	6.2

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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}
All races and origins, female, 5–9 years					All races and origins, female, 20–24 years				
...	All causes	1,055	100.0	10.6	...	All causes	5,485	100.0	50.9
1	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	297	28.2	3.0	1	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	2,502	45.6	23.2
2	Malignant neoplasms (C00–C97)	219	20.8	2.2	2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	672	12.3	6.2
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	84	8.0	0.8	3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	428	7.8	4.0
4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	71	6.7	0.7	4	Malignant neoplasms (C00–C97)	313	5.7	2.9
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	33	3.1	0.3	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	195	3.6	1.8
6	Influenza and pneumonia (J09–J18)	32	3.0	0.3	6	Pregnancy, childbirth and the puerperium (O00–O99)	140	2.6	1.3
7	Chronic lower respiratory diseases (J40–J47)	22	2.1	0.2	7	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	70	1.3	0.6
8	Cerebrovascular diseases (I60–I69)	21	2.0	0.2	8	Diabetes mellitus (E10–E14)	69	1.3	0.6
9	Septicemia (A40–A41)	17	1.6	*	9	Chronic lower respiratory diseases (J40–J47)	52	0.9	0.5
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	15	1.4	*	10	Influenza and pneumonia (J09–J18)	48	0.9	0.4
...	All other causes (residual)	244	23.1	2.5	...	All other causes (residual)	996	18.2	9.2
All races and origins, female, 10–14 years					All races and origins, female, 25–34 years				
...	All causes	1,247	100.0	12.3	...	All causes	18,066	100.0	80.8
1	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	296	23.7	2.9	1	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	6,668	36.9	29.8
2	Malignant neoplasms (C00–C97)	181	14.5	1.8	2	Malignant neoplasms (C00–C97)	1,926	10.7	8.6
3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	169	13.6	1.7	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	1,600	8.9	7.2
4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	87	7.0	0.9	4	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,232	6.8	5.5
5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	65	5.2	0.6	5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	881	4.9	3.9
6	Diseases of heart (I00–I09,I11,I13,I20–I51)	50	4.0	0.5	6	Pregnancy, childbirth and the puerperium (O00–O99)	512	2.8	2.3
7	Influenza and pneumonia (J09–J18)	32	2.6	0.3	7	Chronic liver disease and cirrhosis (K70,K73–K74)	367	2.0	1.6
8	Chronic lower respiratory diseases (J40–J47)	28	2.2	0.3	8	Diabetes mellitus (E10–E14)	352	1.9	1.6
9	Cerebrovascular diseases (I60–I69)	23	1.8	0.2	9	Cerebrovascular diseases (I60–I69)	254	1.4	1.1
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	12	1.0	*	10	Septicemia (A40–A41)	192	1.1	0.9
...	All other causes (residual)	304	24.4	3.0	...	All other causes (residual)	4,082	22.6	18.3
All races and origins, female, 15–19 years					All races and origins, female, 35–44 years				
...	All causes	3,037	100.0	29.4	...	All causes	29,004	100.0	141.4
1	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	1,193	39.3	11.5	1	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	6,585	22.7	32.1
2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	553	18.2	5.4	2	Malignant neoplasms (C00–C97)	6,175	21.3	30.1
3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	243	8.0	2.4	3	Diseases of heart (I00–I09,I11,I13,I20–I51)	3,327	11.5	16.2
4	Malignant neoplasms (C00–C97)	228	7.5	2.2	4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	1,739	6.0	8.5
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	98	3.2	0.9	5	Chronic liver disease and cirrhosis (K70,K73–K74)	1,147	4.0	5.6
6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	77	2.5	0.7	6	Diabetes mellitus (E10–E14)	820	2.8	4.0
7	Diabetes mellitus (E10–E14)	35	1.2	0.3	7	Cerebrovascular diseases (I60–I69)	777	2.7	3.8
8	Influenza and pneumonia (J09–J18)	33	1.1	0.3	8	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	675	2.3	3.3
9	Cerebrovascular diseases (I60–I69)	29	1.0	0.3	9	Septicemia (A40–A41)	398	1.4	1.9
10	Pregnancy, childbirth and the puerperium (O00–O99)	28	0.9	0.3	10	Chronic lower respiratory diseases (J40–J47)	390	1.3	1.9
...	All other causes (residual)	520	17.1	5.0	...	All other causes (residual)	6,971	24.0	34.0

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, 2017—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, 10th 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	66,338	100.0	309.0	...	All causes	227,679	100.0	1,440.4
1	Malignant neoplasms (C00–C97)	20,368	30.7	94.9	1	Malignant neoplasms (C00–C97)	75,376	33.1	476.9
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	9,850	14.8	45.9	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	41,910	18.4	265.1
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	7,584	11.4	35.3	3	Chronic lower respiratory diseases (J40–J47)	19,521	8.6	123.5
4	Chronic liver disease and cirrhosis (K70,K73–K74)	2,923	4.4	13.6	4	Cerebrovascular diseases (I60–I69)	10,658	4.7	67.4
5	Diabetes mellitus (E10–E14)	2,389	3.6	11.1	5	Diabetes mellitus (E10–E14)	8,742	3.8	55.3
6	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	2,230	3.4	10.4	6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	5,241	2.3	33.2
7	Cerebrovascular diseases (I60–I69)	2,188	3.3	10.2	7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	4,660	2.0	29.5
8	Chronic lower respiratory diseases .. (J40–J47)	2,143	3.2	10.0	8	Septicemia (A40–A41)	4,529	2.0	28.7
9	Septicemia (A40–A41)	1,118	1.7	5.2	9	Alzheimer disease (G30)	4,196	1.8	26.5
10	Influenza and pneumonia (J09–J18)	937	1.4	4.4	10	Influenza and pneumonia (J09–J18)	4,002	1.8	25.3
...	All other causes (residual)	14,608	22.0	68.0	...	All other causes (residual)	48,844	21.5	309.0
All races and origins, female, 55–64 years					All races and origins, female, 75–84 years				
...	All causes	146,671	100.0	674.7	...	All causes	321,088	100.0	3,869.1
1	Malignant neoplasms (C00–C97)	52,430	35.7	241.2	1	Malignant neoplasms (C00–C97)	72,568	22.6	874.5
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	24,767	16.9	113.9	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	67,511	21.0	813.5
3	Chronic lower respiratory diseases (J40–J47)	9,243	6.3	42.5	3	Chronic lower respiratory diseases (J40–J47)	26,977	8.4	325.1
4	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	7,148	4.9	32.9	4	Cerebrovascular diseases (I60–I69)	21,173	6.6	255.1
5	Diabetes mellitus (E10–E14)	5,622	3.8	25.9	5	Alzheimer disease (G30)	20,211	6.3	243.5
6	Cerebrovascular diseases (I60–I69)	5,376	3.7	24.7	6	Diabetes mellitus (E10–E14)	9,492	3.0	114.4
7	Chronic liver disease and cirrhosis (K70,K73–K74)	4,514	3.1	20.8	7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	7,394	2.3	89.1
8	Septicemia (A40–A41)	2,678	1.8	12.3	8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	6,870	2.1	82.8
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	2,472	1.7	11.4	9	Influenza and pneumonia (J09–J18)	6,746	2.1	81.3
10	Influenza and pneumonia (J09–J18)	2,219	1.5	10.2	10	Septicemia (A40–A41)	5,580	1.7	67.2
...	All other causes (residual)	30,202	20.6	138.9	...	All other causes (residual)	76,566	23.8	922.6
All races and origins, female, 65 years and over					All races and origins, female, 85 years and over				
...	All causes	1,091,936	100.0	3,859.2	...	All causes	543,169	100.0	12,966.5
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	259,804	23.8	918.2	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	150,383	27.7	3,589.9
2	Malignant neoplasms (C00–C97)	201,946	18.5	713.7	2	Alzheimer disease (G30)	58,943	10.9	1,407.1
3	Alzheimer disease (G30)	83,350	7.6	294.6	3	Malignant neoplasms (C00–C97)	54,002	9.9	1,289.1
4	Cerebrovascular diseases (I60–I69)	75,960	7.0	268.5	4	Cerebrovascular diseases (I60–I69)	44,129	8.1	1,053.4
5	Chronic lower respiratory diseases (J40–J47)	73,135	6.7	258.5	5	Chronic lower respiratory diseases (J40–J47)	26,637	4.9	635.9
6	Diabetes mellitus (E10–E14)	27,956	2.6	98.8	6	Influenza and pneumonia (J09–J18)	14,430	2.7	344.5
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	26,886	2.5	95.0	7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	14,251	2.6	340.2
8	Influenza and pneumonia (J09–J18)	25,178	2.3	89.0	8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	10,217	1.9	243.9
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	21,026	1.9	74.3	9	Diabetes mellitus (E10–E14)	9,722	1.8	232.1
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	17,274	1.6	61.1	10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	9,496	1.7	226.7
...	All other causes (residual)	279,421	25.6	987.6	...	All other causes (residual)	150,959	27.8	3,603.7

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, 2017—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, 10th 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	2,179,857	100.0	1,083.2	...	All causes	1,667	100.0	15.0
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	508,485	23.3	252.7	1	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	471	28.3	4.2
2	Malignant neoplasms (C00–C97)	465,679	21.4	231.4	2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	327	19.6	2.9
3	Chronic lower respiratory diseases (J40–J47)	139,833	6.4	69.5	3	Malignant neoplasms (C00–C97)	206	12.4	1.9
4	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	127,029	5.8	63.1	4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	103	6.2	0.9
5	Cerebrovascular diseases (I60–I69)	110,038	5.0	54.7	5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	58	3.5	0.5
6	Alzheimer disease (G30)	101,876	4.7	50.6	6	Diseases of heart (I00–I09,I11,I13,I20–I51)	51	3.1	0.5
7	Diabetes mellitus (E10–E14)	55,116	2.5	27.4	7	Influenza and pneumonia (J09–J18)	32	1.9	0.3
8	Influenza and pneumonia (J09–J18)	43,397	2.0	21.6	8	Cerebrovascular diseases (I60–I69)	23	1.4	0.2
9	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	38,106	1.7	18.9	9	Chronic lower respiratory diseases (J40–J47)	20	1.2	0.2
10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	35,191	1.6	17.5	10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	14	0.8	*
...	All other causes (residual)	555,107	25.5	275.8	...	All other causes (residual)	362	21.7	3.3
Non-Hispanic white, both sexes, 1–4 years					Non-Hispanic white, both sexes, 15–19 years				
...	All causes	1,858	100.0	22.4	...	All causes	5,592	100.0	48.2
1	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	677	36.4	8.2	1	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	2,364	42.3	20.4
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	183	9.8	2.2	2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	1,636	29.3	14.1
3	Malignant neoplasms (C00–C97)	164	8.8	2.0	3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	281	5.0	2.4
4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	113	6.1	1.4	4	Malignant neoplasms (C00–C97)	276	4.9	2.4
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	58	3.1	0.7	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	149	2.7	1.3
6	Influenza and pneumonia (J09–J18)	44	2.4	0.5	6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	92	1.6	0.8
7	Cerebrovascular diseases (I60–I69)	29	1.6	0.3	7	Diabetes mellitus (E10–E14)	36	0.6	0.3
8	Septicemia (A40–A41)	24	1.3	0.3	8	Influenza and pneumonia (J09–J18)	34	0.6	0.3
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	22	1.2	0.3	9	Cerebrovascular diseases (I60–I69)	29	0.5	0.3
10	Anemias (D50–D64)	12	0.6	*	10	Chronic lower respiratory diseases (J40–J47)	26	0.5	0.2
...	All other causes (residual)	532	28.6	6.4	...	All other causes (residual)	669	12.0	5.8
Non-Hispanic white, both sexes, 5–9 years					Non-Hispanic white, both sexes, 20–24 years				
...	All causes	1,115	100.0	10.6	...	All causes	11,615	100.0	95.1
1	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	348	31.2	3.3	1	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	6,191	53.3	50.7
2	Malignant neoplasms (C00–C97)	227	20.4	2.2	2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	2,438	21.0	20.0
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	90	8.1	0.9	3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	482	4.1	3.9
4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	60	5.4	0.6	4	Malignant neoplasms (C00–C97)	410	3.5	3.4
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	33	3.0	0.3	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	291	2.5	2.4
5	Influenza and pneumonia (J09–J18)	33	3.0	0.3	6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	98	0.8	0.8
7	Cerebrovascular diseases (I60–I69)	22	2.0	0.2	7	Diabetes mellitus (E10–E14)	93	0.8	0.8
8	Chronic lower respiratory diseases (J40–J47)	15	1.3	*	8	Influenza and pneumonia (J09–J18)	66	0.6	0.5
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	14	1.3	*	9	Pregnancy, childbirth and the puerperium (O00–O99)	58	0.5	0.5
10	Septicemia (A40–A41)	8	0.7	*	10	Septicemia (A40–A41)	47	0.4	0.4
...	All other causes (residual)	265	23.8	2.5	...	All other causes (residual)	1,441	12.4	11.8

See footnotes at end of table.

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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, both sexes, 25–34 years					Non-Hispanic white, both sexes, 55–64 years				
...	All causes	36,764	100.0	143.3	...	All causes	264,999	100.0	886.6
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	18,243	49.6	71.1	1	Malignant neoplasms (C00–C97)	84,084	31.7	281.3
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	5,686	15.5	22.2	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	55,515	20.9	185.7
3	Malignant neoplasms (C00–C97)	1,992	5.4	7.8	3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	17,057	6.4	57.1
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,962	5.3	7.6	4	Chronic lower respiratory diseases (J40–J47)	15,627	5.9	52.3
5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,193	3.2	4.7	5	Chronic liver disease and cirrhosis (K70,K73–K74)	9,983	3.8	33.4
6	Chronic liver disease and cirrhosis (K70,K73–K74)	582	1.6	2.3	6	Diabetes mellitus (E10–E14)	9,212	3.5	30.8
7	Diabetes mellitus (E10–E14)	393	1.1	1.5	7	Cerebrovascular diseases (I60–I69)	7,591	2.9	25.4
8	Cerebrovascular diseases (I60–I69)	280	0.8	1.1	8	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	7,162	2.7	24.0
9	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	275	0.7	1.1	9	Septicemia (A40–A41)	3,879	1.5	13.0
10	Pregnancy, childbirth and the puerperium (O00–O99)	244	0.7	1.0	10	Influenza and pneumonia (J09–J18)	3,499	1.3	11.7
...	All other causes (residual)	5,914	16.1	23.1	...	All other causes (residual)	51,390	19.4	171.9
Non-Hispanic white, both sexes, 35–44 years					Non-Hispanic white, both sexes, 65 years and over				
...	All causes	49,396	100.0	209.8	...	All causes	1,684,667	100.0	4,285.5
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	16,129	32.7	68.5	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	423,429	25.1	1,077.1
2	Malignant neoplasms (C00–C97)	6,473	13.1	27.5	2	Malignant neoplasms (C00–C97)	345,411	20.5	878.7
3	Diseases of heart (I00–I09,I11,I13,I20–I51)	5,915	12.0	25.1	3	Chronic lower respiratory diseases (J40–J47)	120,347	7.1	306.1
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	5,764	11.7	24.5	4	Alzheimer disease (G30)	100,850	6.0	256.5
5	Chronic liver disease and cirrhosis (K70,K73–K74)	1,888	3.8	8.0	5	Cerebrovascular diseases (I60–I69)	98,433	5.8	250.4
6	Diabetes mellitus (E10–E14)	1,054	2.1	4.5	6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	47,587	2.8	121.1
7	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	993	2.0	4.2	7	Diabetes mellitus (E10–E14)	40,689	2.4	103.5
8	Cerebrovascular diseases (I60–I69)	832	1.7	3.5	8	Influenza and pneumonia (J09–J18)	37,689	2.2	95.9
9	Septicemia (A40–A41)	476	1.0	2.0	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	30,643	1.8	78.0
10	Influenza and pneumonia (J09–J18)	459	0.9	1.9	10	Parkinson disease (G20–G21)	26,963	1.6	68.6
10	Chronic lower respiratory diseases (J40–J47)	459	0.9	1.9	...	All other causes (residual)	412,626	24.5	1,049.7
...	All other causes (residual)	8,954	18.1	38.0	Non-Hispanic white, both sexes, 65–74 years				
Non-Hispanic white, both sexes, 45–54 years					...	All causes	408,427	100.0	1,806.1
...	All causes	112,765	100.0	416.7	1	Malignant neoplasms (C00–C97)	131,875	32.3	583.2
1	Malignant neoplasms (C00–C97)	26,401	23.4	97.6	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	87,648	21.5	387.6
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	20,940	18.6	77.4	3	Chronic lower respiratory diseases (J40–J47)	34,796	8.5	153.9
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	17,356	15.4	64.1	4	Cerebrovascular diseases (I60–I69)	15,712	3.8	69.5
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	7,261	6.4	26.8	5	Diabetes mellitus (E10–E14)	14,230	3.5	62.9
5	Chronic liver disease and cirrhosis (K70,K73–K74)	5,713	5.1	21.1	6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	11,649	2.9	51.5
6	Diabetes mellitus (E10–E14)	3,624	3.2	13.4	7	Chronic liver disease and cirrhosis (K70,K73–K74)	7,090	1.7	31.4
7	Chronic lower respiratory diseases (J40–J47)	3,132	2.8	11.6	8	Septicemia (A40–A41)	6,660	1.6	29.5
8	Cerebrovascular diseases (I60–I69)	2,713	2.4	10.0	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	6,634	1.6	29.3
9	Septicemia (A40–A41)	1,477	1.3	5.5	10	Influenza and pneumonia (J09–J18)	6,572	1.6	29.1
10	Influenza and pneumonia (J09–J18)	1,258	1.1	4.6	...	All other causes (residual)	85,561	20.9	378.4
...	All other causes (residual)	22,890	20.3	84.6					

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, 2017—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, both sexes, 75–84 years					Non-Hispanic white, male, 1–4 years				
...	All causes	530,116	100.0	4,612.9	...	All causes	1,107	100.0	26.1
1	Malignant neoplasms (C00–C97)	126,580	23.9	1,101.5	1	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	425	38.4	10.0
2	Diseases of heart (I00–I09, I11, I13, I20–I51)	120,435	22.7	1,048.0	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	101	9.1	2.4
3	Chronic lower respiratory diseases (J40–J47)	45,416	8.6	395.2	3	Malignant neoplasms (C00–C97)	93	8.4	2.2
4	Cerebrovascular diseases (I60–I69)	29,491	5.6	256.6	4	Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	64	5.8	1.5
5	Alzheimer disease (G30)	26,773	5.1	233.0	5	Influenza and pneumonia (J09–J18)	30	2.7	0.7
6	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	14,075	2.7	122.5	6	Diseases of heart (I00–I09, I11, I13, I20–I51)	29	2.6	0.7
7	Diabetes mellitus (E10–E14)	14,034	2.6	122.1	7	Cerebrovascular diseases (I60–I69)	18	1.6	*
8	Parkinson disease (G20–G21)	11,339	2.1	98.7	8	Septicemia (A40–A41)	12	1.1	*
9	Influenza and pneumonia (J09–J18)	10,802	2.0	94.0	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	11	1.0	*
10	Nephritis, nephrotic syndrome and nephrosis (N00–N07, N17–N19, N25–N27)	10,140	1.9	88.2	10	Complications of medical and surgical care (Y40–Y84, Y88)	7	0.6	*
...	All other causes (residual)	121,031	22.8	1,053.2	...	All other causes (residual)	317	28.6	7.5
Non-Hispanic white, both sexes, 85 years and over					Non-Hispanic white, male, 5–9 years				
...	All causes	746,124	100.0	14,336.0	...	All causes	623	100.0	11.5
1	Diseases of heart (I00–I09, I11, I13, I20–I51)	215,346	28.9	4,137.6	1	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	209	33.5	3.9
2	Malignant neoplasms (C00–C97)	86,956	11.7	1,670.8	2	Malignant neoplasms (C00–C97)	119	19.1	2.2
3	Alzheimer disease (G30)	68,152	9.1	1,309.5	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	49	7.9	0.9
4	Cerebrovascular diseases (I60–I69)	53,230	7.1	1,022.8	4	Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	31	5.0	0.6
5	Chronic lower respiratory diseases (J40–J47)	40,135	5.4	771.1	5	Diseases of heart (I00–I09, I11, I13, I20–I51)	17	2.7	*
6	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	21,863	2.9	420.1	6	Influenza and pneumonia (J09–J18)	14	2.2	*
7	Influenza and pneumonia (J09–J18)	20,315	2.7	390.3	7	Cerebrovascular diseases (I60–I69)	12	1.9	*
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07, N17–N19, N25–N27)	13,869	1.9	266.5	8	Chronic lower respiratory diseases (J40–J47)	10	1.6	*
9	Diabetes mellitus (E10–E14)	12,425	1.7	238.7	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	7	1.1	*
10	Parkinson disease (G20–G21)	11,732	1.6	225.4	10	Septicemia (A40–A41)	5	0.8	*
...	All other causes (residual)	202,101	27.1	3,883.1	...	All other causes (residual)	150	24.1	2.8
Non-Hispanic white, male, all ages ⁴									
...	All causes	1,102,838	100.0	1,111.4	...				
1	Diseases of heart (I00–I09, I11, I13, I20–I51)	272,428	24.7	274.5					
2	Malignant neoplasms (C00–C97)	247,022	22.4	248.9					
3	Accidents (unintentional injuries) (V01–X59, Y85–Y86)	79,280	7.2	79.9					
4	Chronic lower respiratory diseases (J40–J47)	64,673	5.9	65.2					
5	Cerebrovascular diseases (I60–I69)	45,078	4.1	45.4					
6	Alzheimer disease (G30)	31,577	2.9	31.8					
7	Diabetes mellitus (E10–E14)	31,343	2.8	31.6					
8	Intentional self-harm (suicide) (*U03, X60–X84, Y87.0)	29,708	2.7	29.9					
9	Influenza and pneumonia (J09–J18)	20,515	1.9	20.7					
10	Chronic liver disease and cirrhosis (K70, K73–K74)	18,866	1.7	19.0					
...	All other causes (residual)	262,348	23.8	264.4					

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2017—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, 10th 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, 10–14 years					Non-Hispanic white, male, 20–24 years				
...	All causes	1,005	100.0	17.7	...	All causes	8,391	100.0	133.6
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	305	30.3	5.4	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	4,511	53.8	71.8
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	226	22.5	4.0	2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	2,019	24.1	32.2
3	Malignant neoplasms	116	11.5	2.0	3	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	320	3.8	5.1
4	Congenital malformations, deformations and chromosomal abnormalities	54	5.4	0.9	4	Malignant neoplasms	248	3.0	3.9
5	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	31	3.1	0.5	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	194	2.3	3.1
6	Diseases of heart (I00–I09,I11,I13,I20–I51)	24	2.4	0.4	6	Congenital malformations, deformations and chromosomal abnormalities	64	0.8	1.0
7	Cerebrovascular diseases..... (I60–I69)	15	1.5	*	7	Diabetes mellitus	59	0.7	0.9
8	Influenza and pneumonia	11	1.1	*	8	Influenza and pneumonia	38	0.5	0.6
9	Chronic lower respiratory diseases	9	0.9	*	9	Chronic lower respiratory diseases	27	0.3	0.4
10	Septicemia	8	0.8	*	10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	23	0.3	0.4
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	8	0.8	*	...	All other causes	888	10.6	14.1
...	All other causes	198	19.7	3.5	...	All other causes	888	10.6	14.1
Non-Hispanic white, male, 15–19 years					Non-Hispanic white, male, 25–34 years				
...	All causes	3,894	100.0	65.5	...	All causes	25,360	100.0	194.9
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,609	41.3	27.0	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	13,281	52.4	102.1
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,309	33.6	22.0	2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	4,527	17.9	34.8
3	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	218	5.6	3.7	3	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,273	5.0	9.8
4	Malignant neoplasms	165	4.2	2.8	4	Malignant neoplasms	949	3.7	7.3
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	98	2.5	1.6	5	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	849	3.3	6.5
6	Congenital malformations, deformations and chromosomal abnormalities	46	1.2	0.8	6	Chronic liver disease and cirrhosis	340	1.3	2.6
7	Influenza and pneumonia	18	0.5	*	7	Diabetes mellitus	234	0.9	1.8
8	Chronic lower respiratory diseases	17	0.4	*	8	Congenital malformations, deformations and chromosomal abnormalities	177	0.7	1.4
9	Diabetes mellitus	15	0.4	*	9	Cerebrovascular diseases..... (I60–I69)	171	0.7	1.3
10	Cerebrovascular diseases..... (I60–I69)	13	0.3	*	10	Influenza and pneumonia	117	0.5	0.9
...	All other causes	386	9.9	6.5	...	All other causes	3,442	13.6	26.5
Non-Hispanic white, male, 35–44 years					Non-Hispanic white, male, 35–44 years				
...	All causes .....				...	All causes	31,274	100.0	264.2
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)				1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	11,125	35.6	94.0
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)				2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	4,385	14.0	37.0
3	Diseases of heart (I00–I09,I11,I13,I20–I51)				3	Diseases of heart (I00–I09,I11,I13,I20–I51)	4,076	13.0	34.4
4	Malignant neoplasms				4	Malignant neoplasms	2,925	9.4	24.7
5	Chronic liver disease and cirrhosis				5	Chronic liver disease and cirrhosis	1,124	3.6	9.5
6	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)				6	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	670	2.1	5.7
7	Diabetes mellitus				7	Diabetes mellitus	649	2.1	5.5
8	Cerebrovascular diseases..... (I60–I69)				8	Cerebrovascular diseases..... (I60–I69)	447	1.4	3.8
9	Septicemia				9	Septicemia	253	0.8	2.1
10	Influenza and pneumonia				10	Influenza and pneumonia	244	0.8	2.1
...	All other causes	All other causes	5,376	17.2	45.4

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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, male, 45–54 years					Non-Hispanic white, male, 65–74 years				
...	All causes	68,781	100.0	510.0	...	All causes	234,580	100.0	2,182.5
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	14,885	21.6	110.4	1	Malignant neoplasms (C00–C97)	73,185	31.2	680.9
2	Malignant neoplasms (C00–C97)	12,975	18.9	96.2	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	57,064	24.3	530.9
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	11,642	16.9	86.3	3	Chronic lower respiratory diseases (J40–J47)	17,454	7.4	162.4
4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	5,331	7.8	39.5	4	Diabetes mellitus (E10–E14)	8,623	3.7	80.2
5	Chronic liver disease and cirrhosis (K70,K73–K74)	3,594	5.2	26.7	5	Cerebrovascular diseases (I60–I69)	8,325	3.5	77.5
6	Diabetes mellitus (E10–E14)	2,311	3.4	17.1	6	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	7,478	3.2	69.6
7	Cerebrovascular diseases (I60–I69)	1,553	2.3	11.5	7	Chronic liver disease and cirrhosis (K70,K73–K74)	4,560	1.9	42.4
8	Chronic lower respiratory diseases (J40–J47)	1,446	2.1	10.7	8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	3,720	1.6	34.6
9	Septicemia (A40–A41)	796	1.2	5.9	9	Influenza and pneumonia (J09–J18)	3,539	1.5	32.9
10	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	671	1.0	5.0	10	Septicemia (A40–A41)	3,379	1.4	31.4
...	All other causes (residual)	13,577	19.7	100.7	...	All other causes (residual)	47,253	20.1	439.6
Non-Hispanic white, male, 55–64 years					Non-Hispanic white, male, 75–84 years				
...	All causes	161,298	100.0	1,105.5	...	All causes	274,094	100.0	5,378.9
1	Malignant neoplasms (C00–C97)	46,162	28.6	316.4	1	Malignant neoplasms (C00–C97)	68,102	24.8	1,336.5
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	39,100	24.2	268.0	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	67,956	24.8	1,333.6
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	11,533	7.2	79.0	3	Chronic lower respiratory diseases (J40–J47)	21,166	7.7	415.4
4	Chronic lower respiratory diseases (J40–J47)	7,896	4.9	54.1	4	Cerebrovascular diseases (I60–I69)	13,461	4.9	264.2
5	Chronic liver disease and cirrhosis (K70,K73–K74)	6,581	4.1	45.1	5	Alzheimer disease (G30)	10,128	3.7	198.8
6	Diabetes mellitus (E10–E14)	5,911	3.7	40.5	6	Diabetes mellitus (E10–E14)	7,960	2.9	156.2
7	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	5,403	3.3	37.0	7	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	7,781	2.8	152.7
8	Cerebrovascular diseases (I60–I69)	4,320	2.7	29.6	8	Parkinson disease (G20–G21)	7,369	2.7	144.6
9	Septicemia (A40–A41)	2,102	1.3	14.4	9	Influenza and pneumonia (J09–J18)	5,549	2.0	108.9
10	Influenza and pneumonia (J09–J18)	1,964	1.2	13.5	10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	5,391	2.0	105.8
...	All other causes (residual)	30,326	18.8	207.8	...	All other causes (residual)	59,231	21.6	1,162.4
Non-Hispanic white, male, 65 years and over					Non-Hispanic white, male, 85 years and over				
...	All causes	795,777	100.0	4,497.5	...	All causes	287,103	100.0	15,521.8
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	212,656	26.7	1,201.9	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	87,636	30.5	4,737.9
2	Malignant neoplasms (C00–C97)	183,250	23.0	1,035.7	2	Malignant neoplasms (C00–C97)	41,963	14.6	2,268.7
3	Chronic lower respiratory diseases (J40–J47)	54,991	6.9	310.8	3	Alzheimer disease (G30)	18,470	6.4	998.6
4	Cerebrovascular diseases (I60–I69)	38,481	4.8	217.5	4	Cerebrovascular diseases (I60–I69)	16,695	5.8	902.6
5	Alzheimer disease (G30)	31,124	3.9	175.9	5	Chronic lower respiratory diseases (J40–J47)	16,371	5.7	885.1
6	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	24,270	3.0	137.2	6	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	9,011	3.1	487.2
7	Diabetes mellitus (E10–E14)	22,156	2.8	125.2	7	Influenza and pneumonia (J09–J18)	8,299	2.9	448.7
8	Influenza and pneumonia (J09–J18)	17,387	2.2	98.3	8	Parkinson disease (G20–G21)	6,465	2.3	349.5
9	Parkinson disease (G20–G21)	16,423	2.1	92.8	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	6,428	2.2	347.5
10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	15,539	2.0	87.8	10	Diabetes mellitus (E10–E14)	5,573	1.9	301.3
...	All other causes (residual)	179,500	22.6	1,014.5	...	All other causes (residual)	70,192	24.4	3,794.8

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, 2017—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, 10th 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, all ages ⁴					Non-Hispanic white, female, 10–14 years				
...	All causes	1,077,019	100.0	1,055.8	...	All causes	662	100.0	12.2
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	236,057	21.9	231.4	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	166	25.1	3.1
2	Malignant neoplasms (C00–C97)	218,657	20.3	214.3	2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	101	15.3	1.9
3	Chronic lower respiratory diseases (J40–J47)	75,160	7.0	73.7	3	Malignant neoplasms (C00–C97)	90	13.6	1.7
4	Alzheimer disease (G30)	70,299	6.5	68.9	4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	49	7.4	0.9
5	Cerebrovascular diseases (I60–I69)	64,960	6.0	63.7	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	27	4.1	0.5
6	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	47,749	4.4	46.8	5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	27	4.1	0.5
7	Diabetes mellitus (E10–E14)	23,773	2.2	23.3	7	Influenza and pneumonia (J09–J18)	21	3.2	0.4
8	Influenza and pneumonia (J09–J18)	22,882	2.1	22.4	8	Chronic lower respiratory diseases (J40–J47)	11	1.7	*
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	17,004	1.6	16.7	9	Cerebrovascular diseases (I60–I69)	8	1.2	*
10	Septicemia (A40–A41)	15,779	1.5	15.5	10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	6	0.9	*
...	All other causes (residual)	284,699	26.4	279.1	...	All other causes (residual)	156	23.6	2.9
Non-Hispanic white, female, 1–4 years					Non-Hispanic white, female, 15–19 years				
...	All causes	751	100.0	18.6	...	All causes	1,698	100.0	30.1
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	252	33.6	6.2	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	755	44.5	13.4
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	82	10.9	2.0	2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	327	19.3	5.8
3	Malignant neoplasms (C00–C97)	71	9.5	1.8	3	Malignant neoplasms (C00–C97)	111	6.5	2.0
4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	49	6.5	1.2	4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	63	3.7	1.1
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	29	3.9	0.7	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	51	3.0	0.9
6	Influenza and pneumonia (J09–J18)	14	1.9	*	6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	46	2.7	0.8
7	Septicemia (A40–A41)	12	1.6	*	7	Diabetes mellitus (E10–E14)	21	1.2	0.4
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	11	1.5	*	8	Cerebrovascular diseases (I60–I69)	16	0.9	*
8	Cerebrovascular diseases (I60–I69)	11	1.5	*	8	Influenza and pneumonia (J09–J18)	16	0.9	*
10	Anemias (D50–D64)	8	1.1	*	8	Septicemia (A40–A41)	11	0.6	*
...	All other causes (residual)	212	28.2	5.3	10	Pregnancy, childbirth and the puerperium (O00–O99)	11	0.6	*
Non-Hispanic white, female, 5–9 years					...	All other causes (residual)	270	15.9	4.8
...	All causes	492	100.0	9.6	Non-Hispanic white, female, 20–24 years				
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	139	28.3	2.7	...	All causes	3,224	100.0	54.3
2	Malignant neoplasms (C00–C97)	108	22.0	2.1	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,680	52.1	28.3
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	41	8.3	0.8	2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	419	13.0	7.1
4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	29	5.9	0.6	3	Malignant neoplasms (C00–C97)	162	5.0	2.7
5	Influenza and pneumonia (J09–J18)	19	3.9	*	3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	162	5.0	2.7
6	Diseases of heart (I00–I09,I11,I13,I20–I51)	16	3.3	*	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	97	3.0	1.6
7	Cerebrovascular diseases (I60–I69)	10	2.0	*	6	Pregnancy, childbirth and the puerperium (O00–O99)	58	1.8	1.0
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	7	1.4	*	7	Diabetes mellitus (E10–E14)	34	1.1	0.6
9	Chronic lower respiratory diseases (J40–J47)	5	1.0	*	7	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	34	1.1	0.6
10	Septicemia (A40–A41)	3	0.6	*	9	Influenza and pneumonia (J09–J18)	28	0.9	0.5
10	Complications of medical and surgical care (Y40–Y84,Y88)	3	0.6	*	10	Septicemia (A40–A41)	27	0.8	0.5
...	All other causes (residual)	112	22.8	2.2	...	All other causes (residual)	523	16.2	8.8

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, 2017—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, 25–34 years					Non-Hispanic white, female, 55–64 years				
...	All causes	11,404	100.0	90.2	...	All causes	103,701	100.0	677.9
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	4,962	43.5	39.2	1	Malignant neoplasms (C00–C97)	37,922	36.6	247.9
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,159	10.2	9.2	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	16,415	15.8	107.3
3	Malignant neoplasms (C00–C97)	1,043	9.1	8.2	3	Chronic lower respiratory diseases (J40–J47)	7,731	7.5	50.5
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	689	6.0	5.4	4	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	5,524	5.3	36.1
5	Assault (homicide) ... (*U01–*U02,X85–Y09,Y87.1)	344	3.0	2.7	5	Chronic liver disease and cirrhosis (K70,K73–K74)	3,402	3.3	22.2
6	Pregnancy, childbirth and the puerperium (O00–O99)	244	2.1	1.9	6	Diabetes mellitus (E10–E14)	3,301	3.2	21.6
7	Chronic liver disease and cirrhosis (K70,K73–K74)	242	2.1	1.9	7	Cerebrovascular diseases (I60–I69)	3,271	3.2	21.4
8	Diabetes mellitus (E10–E14)	159	1.4	1.3	8	Septicemia (A40–A41)	1,777	1.7	11.6
9	Septicemia (A40–A41)	111	1.0	0.9	9	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,759	1.7	11.5
10	Cerebrovascular diseases (I60–I69)	109	1.0	0.9	10	Influenza and pneumonia (J09–J18)	1,535	1.5	10.0
...	All other causes (residual)	2,342	20.5	18.5	...	All other causes (residual)	21,064	20.3	137.7
Non-Hispanic white, female, 35–44 years					Non-Hispanic white, female, 65 years and over				
...	All causes	18,122	100.0	154.9	...	All causes	888,890	100.0	4,112.1
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	5,004	27.6	42.8	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	210,773	23.7	975.0
2	Malignant neoplasms (C00–C97)	3,548	19.6	30.3	2	Malignant neoplasms (C00–C97)	162,161	18.2	750.2
3	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,839	10.1	15.7	3	Alzheimer disease (G30)	69,726	7.8	322.6
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,379	7.6	11.8	4	Chronic lower respiratory diseases (J40–J47)	65,356	7.4	302.3
5	Chronic liver disease and cirrhosis (K70,K73–K74)	764	4.2	6.5	5	Cerebrovascular diseases (I60–I69)	59,952	6.7	277.3
6	Diabetes mellitus (E10–E14)	405	2.2	3.5	6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	23,317	2.6	107.9
7	Cerebrovascular diseases (I60–I69)	385	2.1	3.3	7	Influenza and pneumonia (J09–J18)	20,302	2.3	93.9
8	Assault (homicide) ... (*U01–*U02,X85–Y09,Y87.1)	323	1.8	2.8	8	Diabetes mellitus (E10–E14)	18,533	2.1	85.7
9	Chronic lower respiratory diseases (J40–J47)	264	1.5	2.3	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	15,104	1.7	69.9
10	Septicemia (A40–A41)	223	1.2	1.9	10	Septicemia (A40–A41)	12,908	1.5	59.7
...	All other causes (residual)	3,988	22.0	34.1	...	All other causes (residual)	230,758	26.0	1,067.5
Non-Hispanic white, female, 45–54 years					Non-Hispanic white, female, 65–74 years				
...	All causes	43,984	100.0	323.9	...	All causes	173,847	100.0	1,465.2
1	Malignant neoplasms (C00–C97)	13,426	30.5	98.9	1	Malignant neoplasms (C00–C97)	58,690	33.8	494.6
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	6,055	13.8	44.6	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	30,584	17.6	257.8
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	5,714	13.0	42.1	3	Chronic lower respiratory diseases (J40–J47)	17,342	10.0	146.2
4	Chronic liver disease and cirrhosis (K70,K73–K74)	2,119	4.8	15.6	4	Cerebrovascular diseases (I60–I69)	7,387	4.2	62.3
5	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,930	4.4	14.2	5	Diabetes mellitus (E10–E14)	5,607	3.2	47.3
6	Chronic lower respiratory diseases (J40–J47)	1,686	3.8	12.4	6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	4,171	2.4	35.2
7	Diabetes mellitus (E10–E14)	1,313	3.0	9.7	7	Alzheimer disease (G30)	3,399	2.0	28.6
8	Cerebrovascular diseases (I60–I69)	1,160	2.6	8.5	8	Septicemia (A40–A41)	3,281	1.9	27.7
9	Septicemia (A40–A41)	681	1.5	5.0	9	Influenza and pneumonia (J09–J18)	3,033	1.7	25.6
10	Influenza and pneumonia (J09–J18)	602	1.4	4.4	10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	2,914	1.7	24.6
...	All other causes (residual)	9,298	21.1	68.5	...	All other causes (residual)	37,439	21.5	315.5

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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, 2017—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, 75–84 years					Non-Hispanic black, both sexes, 1–4 years				
...	All causes	256,022	100.0	4,002.6	...	All causes	985	100.0	40.1
1	Malignant neoplasms (C00–C97)	58,478	22.8	914.2	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	295	29.9	12.0
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	52,479	20.5	820.4	2	Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)	125	12.7	5.1
3	Chronic lower respiratory diseases (J40–J47)	24,250	9.5	379.1	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	101	10.3	4.1
4	Alzheimer disease (G30)	16,645	6.5	260.2	4	Malignant neoplasms (C00–C97)	42	4.3	1.7
5	Cerebrovascular diseases (I60–I69)	16,030	6.3	250.6	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	37	3.8	1.5
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	6,294	2.5	98.4	6	Influenza and pneumonia (J09–J18)	25	2.5	1.0
7	Diabetes mellitus (E10–E14)	6,074	2.4	95.0	7	Cerebrovascular diseases (I60–I69)	21	2.1	0.9
8	Influenza and pneumonia (J09–J18)	5,253	2.1	82.1	8	Chronic lower respiratory diseases (J40–J47)	18	1.8	*
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	4,749	1.9	74.2	8	Certain conditions originating in the perinatal period (P00–P96)	18	1.8	*
10	Septicemia (A40–A41)	4,239	1.7	66.3	10	Complications of medical and surgical care (Y40–Y84,Y88)	10	1.0	*
...	All other causes (residual)	61,531	24.0	962.0	...	All other causes (residual)	293	29.7	11.9
Non-Hispanic white, female, 85 years and over					Non-Hispanic black, both sexes, 5–9 years				
...	All causes	459,021	100.0	13,682.1	...	All causes	573	100.0	18.5
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	127,710	27.8	3,806.7	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	181	31.6	5.8
2	Alzheimer disease (G30)	49,682	10.8	1,480.9	2	Malignant neoplasms (C00–C97)	66	11.5	2.1
3	Malignant neoplasms (C00–C97)	44,993	9.8	1,341.1	3	Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)	59	10.3	1.9
4	Cerebrovascular diseases (I60–I69)	36,535	8.0	1,089.0	4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	39	6.8	1.3
5	Chronic lower respiratory diseases (J40–J47)	23,764	5.2	708.3	5	Chronic lower respiratory diseases (J40–J47)	37	6.5	1.2
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	12,852	2.8	383.1	6	Diseases of heart (I00–I09,I11,I13,I20–I51)	17	3.0	*
7	Influenza and pneumonia (J09–J18)	12,016	2.6	358.2	7	Influenza and pneumonia (J09–J18)	14	2.4	*
8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	7,903	1.7	235.6	8	Cerebrovascular diseases (I60–I69)	11	1.9	*
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	7,441	1.6	221.8	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	8	1.4	*
10	Diabetes mellitus (E10–E14)	6,852	1.5	204.2	10	Septicemia (A40–A41)	7	1.2	*
...	All other causes (residual)	129,273	28.2	3,853.3	...	All other causes (residual)	134	23.4	4.3
Non-Hispanic black, both sexes, all ages ⁴									
...	All causes	335,667	100.0	787.5					
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	78,161	23.3	183.4					
2	Malignant neoplasms (C00–C97)	69,872	20.8	163.9					
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	19,869	5.9	46.6					
4	Cerebrovascular diseases (I60–I69)	19,088	5.7	44.8					
5	Diabetes mellitus (E10–E14)	14,798	4.4	34.7					
6	Chronic lower respiratory diseases (J40–J47)	11,217	3.3	26.3					
7	Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)	9,908	3.0	23.2					
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	9,542	2.8	22.4					
9	Alzheimer disease (G30)	8,991	2.7	21.1					
10	Septicemia (A40–A41)	6,568	2.0	15.4					
...	All other causes (residual)	87,653	26.1	205.6					

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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 black, both sexes, 10–14 years					Non-Hispanic black, both sexes, 20–24 years				
...	All causes	723	100.0	23.4	...	All causes	4,804	100.0	140.8
1	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	196	27.1	6.3	1	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,920	40.0	56.3
2	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	83	11.5	2.7	2	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	1,245	25.9	36.5
3	Malignant neoplasms (C00–C97)	70	9.7	2.3	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	457	9.5	13.4
4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	63	8.7	2.0	4	Diseases of heart (I00–I09,I11,I13,I20–I51)	201	4.2	5.9
5	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	41	5.7	1.3	5	Malignant neoplasms (C00–C97)	133	2.8	3.9
6	Chronic lower respiratory diseases (J40–J47)	40	5.5	1.3	6	Chronic lower respiratory diseases (J40–J47)	56	1.2	1.6
7	Diseases of heart (I00–I09,I11,I13,I20–I51)	30	4.1	1.0	7	Diabetes mellitus (E10–E14)	54	1.1	1.6
8	Cerebrovascular diseases (I60–I69)	14	1.9	*	8	Pregnancy, childbirth and the puerperium (O00–O99)	51	1.1	1.5
9	Diabetes mellitus (E10–E14)	13	1.8	*	9	Human immunodeficiency virus (HIV) disease (B20–B24)	45	0.9	1.3
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	10	1.4	*	10	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	43	0.9	1.3
...	All other causes (residual)	163	22.5	5.3	...	All other causes (residual)	599	12.5	17.6
Non-Hispanic black, both sexes, 15–19 years					Non-Hispanic black, both sexes, 25–34 years				
...	All causes	2,560	100.0	80.0	...	All causes	12,084	100.0	186.2
1	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,135	44.3	35.5	1	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	3,196	26.4	49.2
2	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	585	22.9	18.3	2	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	3,070	25.4	47.3
3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	253	9.9	7.9	3	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,058	8.8	16.3
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	93	3.6	2.9	4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	793	6.6	12.2
5	Malignant neoplasms (C00–C97)	86	3.4	2.7	5	Malignant neoplasms (C00–C97)	653	5.4	10.1
6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	35	1.4	1.1	6	Human immunodeficiency virus (HIV) disease (B20–B24)	335	2.8	5.2
7	Diabetes mellitus (E10–E14)	29	1.1	0.9	7	Diabetes mellitus (E10–E14)	281	2.3	4.3
8	Chronic lower respiratory diseases (J40–J47)	26	1.0	0.8	8	Pregnancy, childbirth and the puerperium (O00–O99)	161	1.3	2.5
9	Cerebrovascular diseases (I60–I69)	15	0.6	*	9	Cerebrovascular diseases (I60–I69)	142	1.2	2.2
10	Influenza and pneumonia (J09–J18)	14	0.5	*	10	Chronic lower respiratory diseases (J40–J47)	128	1.1	2.0
...	All other causes (residual)	289	11.3	9.0	...	All other causes (residual)	2,267	18.8	34.9
Non-Hispanic black, both sexes, 35–44 years					Non-Hispanic black, both sexes, 45–54 years				
...	All causes	15,726	100.0	293.4	...	All causes	15,726	100.0	293.4
1	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	2,951	18.8	55.0	1	Accidents (unintentional injuries). (V01–X59,Y85–Y86)	2,951	18.8	55.0
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	2,839	18.1	53.0	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	2,839	18.1	53.0
3	Malignant neoplasms (C00–C97)	1,926	12.2	35.9	3	Malignant neoplasms (C00–C97)	1,926	12.2	35.9
4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,662	10.6	31.0	4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,662	10.6	31.0
5	Diabetes mellitus (E10–E14)	646	4.1	12.1	5	Diabetes mellitus (E10–E14)	646	4.1	12.1
6	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	515	3.3	9.6	6	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	515	3.3	9.6
7	Cerebrovascular diseases (I60–I69)	475	3.0	8.9	7	Cerebrovascular diseases (I60–I69)	475	3.0	8.9
8	Human immunodeficiency virus (HIV) disease (B20–B24)	449	2.9	8.4	8	Human immunodeficiency virus (HIV) disease (B20–B24)	449	2.9	8.4
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	266	1.7	5.0	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	266	1.7	5.0
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	221	1.4	4.1	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	221	1.4	4.1
...	All other causes (residual)	3,776	24.0	70.4	...	All other causes (residual)	3,776	24.0	70.4

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2017—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, 10th 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, 45-54 years					Non-Hispanic black, both sexes, 65-74 years				
...	All causes	31,226	100.0	583.2	...	All causes	71,021	100.0	2,460.9
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	7,452	23.9	139.2	1	Malignant neoplasms (C00-C97)	20,610	29.0	714.1
2	Malignant neoplasms (C00-C97)	6,260	20.0	116.9	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	17,693	24.9	613.1
3	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	3,557	11.4	66.4	3	Cerebrovascular diseases (I60-I69)	4,169	5.9	144.5
4	Diabetes mellitus (E10-E14)	1,496	4.8	27.9	4	Diabetes mellitus (E10-E14)	3,794	5.3	131.5
5	Cerebrovascular diseases (I60-I69)	1,402	4.5	26.2	5	Chronic lower respiratory diseases (J40-J47)	3,081	4.3	106.8
6	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	869	2.8	16.2	6	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	2,353	3.3	81.5
7	Human immunodeficiency virus (HIV) disease (B20-B24)	773	2.5	14.4	7	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	1,768	2.5	61.3
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	749	2.4	14.0	8	Septicemia (A40-A41)	1,643	2.3	56.9
9	Chronic liver disease and cirrhosis (K70,K73-K74)	659	2.1	12.3	9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,304	1.8	45.2
10	Septicemia (A40-A41)	594	1.9	11.1	10	Influenza and pneumonia (J09-J18)	1,169	1.6	40.5
...	All other causes (residual)	7,415	23.7	138.5	...	All other causes (residual)	13,437	18.9	465.6
Non-Hispanic black, both sexes, 55-64 years					Non-Hispanic black, both sexes, 75-84 years				
...	All causes	64,498	100.0	1,316.1	...	All causes	65,076	100.0	5,093.1
1	Malignant neoplasms (C00-C97)	17,750	27.5	362.2	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	16,234	24.9	1,270.5
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	16,128	25.0	329.1	2	Malignant neoplasms (C00-C97)	14,767	22.7	1,155.7
3	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	3,719	5.8	75.9	3	Cerebrovascular diseases (I60-I69)	4,710	7.2	368.6
4	Diabetes mellitus (E10-E14)	3,193	5.0	65.2	4	Diabetes mellitus (E10-E14)	3,181	4.9	249.0
5	Cerebrovascular diseases (I60-I69)	3,162	4.9	64.5	5	Chronic lower respiratory diseases (J40-J47)	2,912	4.5	227.9
6	Chronic lower respiratory diseases (J40-J47)	2,070	3.2	42.2	6	Alzheimer disease (G30)	2,768	4.3	216.6
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,798	2.8	36.7	7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	2,380	3.7	186.3
8	Chronic liver disease and cirrhosis (K70,K73-K74)	1,344	2.1	27.4	8	Septicemia (A40-A41)	1,485	2.3	116.2
9	Septicemia (A40-A41)	1,301	2.0	26.5	9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,341	2.1	105.0
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,140	1.8	23.3	10	Influenza and pneumonia (J09-J18)	1,319	2.0	103.2
...	All other causes (residual)	12,893	20.0	263.1	...	All other causes (residual)	13,979	21.5	1,094.0
Non-Hispanic black, both sexes, 65 years and over					Non-Hispanic black, both sexes, 85 years and over				
...	All causes	195,742	100.0	4,203.6	...	All causes	59,645	100.0	12,101.9
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	50,208	25.7	1,078.2	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	16,281	27.3	3,303.4
2	Malignant neoplasms (C00-C97)	42,877	21.9	920.8	2	Malignant neoplasms (C00-C97)	7,500	12.6	1,521.7
3	Cerebrovascular diseases (I60-I69)	13,786	7.0	296.1	3	Alzheimer disease (G30)	5,358	9.0	1,087.1
4	Diabetes mellitus (E10-E14)	9,080	4.6	195.0	4	Cerebrovascular diseases (I60-I69)	4,907	8.2	995.6
5	Alzheimer disease (G30)	8,864	4.5	190.4	5	Diabetes mellitus (E10-E14)	2,105	3.5	427.1
6	Chronic lower respiratory diseases (J40-J47)	8,098	4.1	173.9	6	Chronic lower respiratory diseases (J40-J47)	2,105	3.5	427.1
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	6,584	3.4	141.4	7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,851	3.1	375.6
8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	4,302	2.2	92.4	8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,657	2.8	336.2
9	Septicemia (A40-A41)	4,257	2.2	91.4	9	Influenza and pneumonia (J09-J18)	1,366	2.3	277.2
10	Influenza and pneumonia (J09-J18)	3,854	2.0	82.8	10	Septicemia (A40-A41)	1,129	1.9	229.1
...	All other causes (residual)	43,832	22.4	941.3	...	All other causes (residual)	15,386	25.8	3,121.8

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, 2017—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, 10th 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, all ages ⁴					Non-Hispanic black, male, 10–14 years				
...	All causes	174,403	100.0	854.2	...	All causes	465	100.0	29.7
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	41,411	23.7	202.8	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	136	29.2	8.7
2	Malignant neoplasms (C00–C97)	35,261	20.2	172.7	2	Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)	57	12.3	3.6
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	13,844	7.9	67.8	3	Malignant neoplasms (C00–C97)	44	9.5	2.8
4	Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)	8,643	5.0	42.3	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	44	9.5	2.8
5	Cerebrovascular diseases (I60–I69)	8,566	4.9	42.0	5	Chronic lower respiratory diseases (J40–J47)	29	6.2	1.9
6	Diabetes mellitus (E10–E14)	7,494	4.3	36.7	6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	24	5.2	1.5
7	Chronic lower respiratory diseases (J40–J47)	5,605	3.2	27.5	7	Diseases of heart (I00–I09,I11,I13,I20–I51)	15	3.2	*
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	4,555	2.6	22.3	8	Cerebrovascular diseases (I60–I69)	10	2.2	*
9	Septicemia (A40–A41)	3,052	1.7	14.9	9	Diabetes mellitus (E10–E14)	8	1.7	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	2,874	1.6	14.1	10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	6	1.3	*
...	All other causes (residual)	43,098	24.7	211.1	...	All other causes (residual)	92	19.8	5.9
Non-Hispanic black, male, 1–4 years					Non-Hispanic black, male, 15–19 years				
...	All causes	535	100.0	42.9	...	All causes	2,019	100.0	124.2
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	165	30.8	13.2	1	Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)	1,022	50.6	62.9
2	Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)	69	12.9	5.5	2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	439	21.7	27.0
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	50	9.3	4.0	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	190	9.4	11.7
4	Malignant neoplasms (C00–C97)	23	4.3	1.8	4	Diseases of heart (I00–I09,I11,I13,I20–I51)	67	3.3	4.1
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	21	3.9	1.7	5	Malignant neoplasms (C00–C97)	47	2.3	2.9
6	Influenza and pneumonia (J09–J18)	13	2.4	*	6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	22	1.1	1.4
7	Cerebrovascular diseases (I60–I69)	11	2.1	*	7	Diabetes mellitus (E10–E14)	19	0.9	*
8	Chronic lower respiratory diseases (J40–J47)	10	1.9	*	8	Chronic lower respiratory diseases (J40–J47)	18	0.9	*
9	Certain conditions originating in the perinatal period (P00–P96)	6	1.1	*	9	Legal intervention (Y35,Y89.0)	13	0.6	*
9	Complications of medical and surgical care (Y40–Y84,Y88)	6	1.1	*	10	Cerebrovascular diseases (I60–I69)	11	0.5	*
...	All other causes (residual)	161	30.1	12.9	...	All other causes (residual)	171	8.5	10.5
Non-Hispanic black, male, 5–9 years					Non-Hispanic black, male, 20–24 years				
...	All causes	319	100.0	20.2	...	All causes	3,692	100.0	213.0
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	111	34.8	7.0	1	Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)	1,739	47.1	100.3
2	Assault (homicide) . . . (*U01–*U02,X85–Y09,Y87.1)	30	9.4	1.9	2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	889	24.1	51.3
3	Malignant neoplasms (C00–C97)	29	9.1	1.8	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	375	10.2	21.6
4	Chronic lower respiratory diseases (J40–J47)	25	7.8	1.6	4	Diseases of heart (I00–I09,I11,I13,I20–I51)	132	3.6	7.6
5	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	21	6.6	1.3	5	Malignant neoplasms (C00–C97)	80	2.2	4.6
6	Diseases of heart (I00–I09,I11,I13,I20–I51)	8	2.5	*	6	Human immunodeficiency virus (HIV) disease (B20–B24)	35	0.9	2.0
6	Influenza and pneumonia (J09–J18)	8	2.5	*	7	Chronic lower respiratory diseases (J40–J47)	34	0.9	2.0
8	Cerebrovascular diseases (I60–I69)	5	1.6	*	8	Diabetes mellitus (E10–E14)	28	0.8	1.6
9	Septicemia (A40–A41)	4	1.3	*	9	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	25	0.7	1.4
9	Anemias (D50–D64)	4	1.3	*	10	Legal intervention (Y35,Y89.0)	23	0.6	1.3
...	All other causes (residual)	74	23.2	4.7	...	All other causes (residual)	332	9.0	19.2

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, 2017—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 black, male, 25–34 years					Non-Hispanic black, male, 55–64 years				
...	All causes	8,552	100.0	267.5	...	All causes	37,552	100.0	1,676.6
1	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	2,865	33.5	89.6	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	10,193	27.1	455.1
2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,271	26.6	71.0	2	Malignant neoplasms (C00–C97)	9,321	24.8	416.2
3	Diseases of heart (I00–I09,I11,I13,I20–I51)	673	7.9	21.1	3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,741	7.3	122.4
4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	652	7.6	20.4	4	Diabetes mellitus (E10–E14)	1,833	4.9	81.8
5	Malignant neoplasms (C00–C97)	294	3.4	9.2	5	Cerebrovascular diseases (I60–I69)	1,807	4.8	80.7
6	Human immunodeficiency virus (HIV) disease (B20–B24)	231	2.7	7.2	6	Chronic lower respiratory diseases (J40–J47)	1,016	2.7	45.4
7	Diabetes mellitus (E10–E14)	141	1.6	4.4	7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	947	2.5	42.3
8	Chronic lower respiratory diseases (J40–J47)	80	0.9	2.5	8	Chronic liver disease and cirrhosis (K70,K73–K74)	889	2.4	39.7
9	Anemias (D50–D64)	70	0.8	2.2	9	Septicemia (A40–A41)	678	1.8	30.3
10	Cerebrovascular diseases (I60–I69)	67	0.8	2.1	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	654	1.7	29.2
...	All other causes (residual)	1,208	14.1	37.8	...	All other causes (residual)	7,473	19.9	333.7
Non-Hispanic black, male, 35–44 years					Non-Hispanic black, male, 65 years and over				
...	All causes	9,721	100.0	383.6	...	All causes	89,597	100.0	4,768.2
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,188	22.5	86.3	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	23,705	26.5	1,261.5
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,787	18.4	70.5	2	Malignant neoplasms (C00–C97)	21,900	24.4	1,165.5
3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1,459	15.0	57.6	3	Cerebrovascular diseases (I60–I69)	5,569	6.2	296.4
4	Malignant neoplasms (C00–C97)	751	7.7	29.6	4	Diabetes mellitus (E10–E14)	4,203	4.7	223.7
5	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	391	4.0	15.4	5	Chronic lower respiratory diseases (J40–J47)	4,046	4.5	215.3
6	Diabetes mellitus (E10–E14)	380	3.9	15.0	6	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	2,965	3.3	157.8
7	Human immunodeficiency virus (HIV) disease (B20–B24)	267	2.7	10.5	7	Alzheimer disease (G30)	2,420	2.7	128.8
8	Cerebrovascular diseases (I60–I69)	253	2.6	10.0	8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,158	2.4	114.8
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	141	1.5	5.6	9	Septicemia (A40–A41)	1,850	2.1	98.5
10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	139	1.4	5.5	10	Influenza and pneumonia (J09–J18)	1,757	2.0	93.5
...	All other causes (residual)	1,965	20.2	77.5	...	All other causes (residual)	19,024	21.2	1,012.4
Non-Hispanic black, male, 45–54 years					Non-Hispanic black, male, 65–74 years				
...	All causes	18,181	100.0	724.6	...	All causes	39,396	100.0	3,179.0
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	4,760	26.2	189.7	1	Malignant neoplasms (C00–C97)	11,224	28.5	905.7
2	Malignant neoplasms (C00–C97)	2,767	15.2	110.3	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	10,426	26.5	841.3
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,499	13.7	99.6	3	Cerebrovascular diseases (I60–I69)	2,195	5.6	177.1
4	Diabetes mellitus (E10–E14)	881	4.8	35.1	4	Diabetes mellitus (E10–E14)	2,066	5.2	166.7
5	Cerebrovascular diseases (I60–I69)	801	4.4	31.9	5	Chronic lower respiratory diseases (J40–J47)	1,679	4.3	135.5
6	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	751	4.1	29.9	6	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,256	3.2	101.4
7	Human immunodeficiency virus (HIV) disease (B20–B24)	475	2.6	18.9	7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	1,204	3.1	97.2
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	426	2.3	17.0	8	Septicemia (A40–A41)	805	2.0	65.0
9	Chronic liver disease and cirrhosis (K70,K73–K74)	378	2.1	15.1	9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	672	1.7	54.2
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	328	1.8	13.1	10	Influenza and pneumonia (J09–J18)	645	1.6	52.0
...	All other causes (residual)	4,115	22.6	164.0	...	All other causes (residual)	7,224	18.3	582.9

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, 2017—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 black, male, 75–84 years					Non-Hispanic black, female, 1–4 years				
...	All causes	30,739	100.0	6,248.3	...	All causes	450	100.0	37.3
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	7,927	25.8	1,611.3	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	130	28.9	10.8
2	Malignant neoplasms (C00–C97)	7,447	24.2	1,513.8	2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	56	12.4	4.6
3	Cerebrovascular diseases (I60–I69)	2,024	6.6	411.4	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	51	11.3	4.2
4	Chronic lower respiratory diseases (J40–J47)	1,474	4.8	299.6	4	Malignant neoplasms (C00–C97)	19	4.2	*
5	Diabetes mellitus (E10–E14)	1,456	4.7	296.0	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	16	3.6	*
6	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	1,089	3.5	221.4	6	Influenza and pneumonia (J09–J18)	12	2.7	*
7	Alzheimer disease (G30)	966	3.1	196.4	6	Certain conditions originating in the perinatal period (P00–P96)	12	2.7	*
8	Septicemia (A40–A41)	665	2.2	135.2	8	Cerebrovascular diseases (I60–I69)	10	2.2	*
9	Influenza and pneumonia (J09–J18)	641	2.1	130.3	9	Chronic lower respiratory diseases (J40–J47)	8	1.8	*
10	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	581	1.9	118.1	10	Septicemia (A40–A41)	5	1.1	*
...	All other causes (residual)	6,469	21.0	1,315.0	10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	5	1.1	*
Non-Hispanic black, male, 85 years and over					All other causes (residual)				
...	All causes	19,462	100.0	13,164.9	...	All other causes (residual)	126	28.0	10.4
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	5,352	27.5	3,620.3	Non-Hispanic black, female, 5–9 years				
2	Malignant neoplasms (C00–C97)	3,229	16.6	2,184.2	...	All causes	254	100.0	16.6
3	Cerebrovascular diseases (I60–I69)	1,350	6.9	913.2	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	70	27.6	4.6
4	Alzheimer disease (G30)	1,150	5.9	777.9	2	Malignant neoplasms (C00–C97)	37	14.6	2.4
5	Chronic lower respiratory diseases (J40–J47)	893	4.6	604.1	3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	29	11.4	1.9
6	Diabetes mellitus (E10–E14)	681	3.5	460.7	4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	18	7.1	*
7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	672	3.5	454.6	5	Chronic lower respiratory diseases (J40–J47)	12	4.7	*
8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	471	2.4	318.6	6	Diseases of heart (I00–I09,I11,I13,I20–I51)	9	3.5	*
8	Influenza and pneumonia (J09–J18)	471	2.4	318.6	7	Cerebrovascular diseases (I60–I69)	6	2.4	*
10	Septicemia (A40–A41)	380	2.0	257.0	7	Influenza and pneumonia (J09–J18)	6	2.4	*
...	All other causes (residual)	4,813	24.7	3,255.7	9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	5	2.0	*
Non-Hispanic black, female, all ages ⁴					10	Septicemia (A40–A41)	3	1.2	*
...	All causes	161,264	100.0	726.1	...	All other causes (residual)	59	23.2	3.9
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	36,750	22.8	165.5					
2	Malignant neoplasms (C00–C97)	34,611	21.5	155.8					
3	Cerebrovascular diseases (I60–I69)	10,522	6.5	47.4					
4	Diabetes mellitus (E10–E14)	7,304	4.5	32.9					
5	Alzheimer disease (G30)	6,515	4.0	29.3					
6	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	6,025	3.7	27.1					
7	Chronic lower respiratory diseases (J40–J47)	5,612	3.5	25.3					
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	4,987	3.1	22.5					
9	Septicemia (A40–A41)	3,516	2.2	15.8					
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	3,399	2.1	15.3					
...	All other causes (residual)	42,023	26.1	189.2					

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, 2017—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 black, female, 10–14 years					Non-Hispanic black, female, 20–24 years				
...	All causes	258	100.0	17.0	...	All causes	1,112	100.0	66.3
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	60	23.3	3.9	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	356	32.0	21.2
2	Malignant neoplasms	26	10.1	1.7	2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	181	16.3	10.8
3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	26	10.1	1.7	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	82	7.4	4.9
4	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	19	7.4	*	4	Diseases of heart (I00–I09,I11,I13,I20–I51)	69	6.2	4.1
5	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	17	6.6	*	5	Malignant neoplasms	53	4.8	3.2
6	Diseases of heart (I00–I09,I11,I13,I20–I51)	15	5.8	*	6	Pregnancy, childbirth and the puerperium (O00–O99)	51	4.6	3.0
7	Chronic lower respiratory diseases (J40–J47)	11	4.3	*	7	Diabetes mellitus (E10–E14)	26	2.3	1.5
8	Influenza and pneumonia (J09–J18)	6	2.3	*	8	Chronic lower respiratory diseases (J40–J47)	22	2.0	1.3
9	Diabetes mellitus (E10–E14)	5	1.9	*	9	Anemias (D50–D64)	19	1.7	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	4	1.6	*	10	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	18	1.6	*
10	Anemias (D50–D64)	4	1.6	*	...	All other causes (residual)	235	21.1	14.0
10	Cerebrovascular diseases (I60–I69)	4	1.6	*	Non-Hispanic black, female, 25–34 years				
...	All other causes (residual)	61	23.6	4.0	...	All causes	3,532	100.0	107.3
Non-Hispanic black, female, 15–19 years					1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	799	22.6	24.3
...	All causes	541	100.0	34.4	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	385	10.9	11.7
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	146	27.0	9.3	3	Malignant neoplasms	359	10.2	10.9
2	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	113	20.9	7.2	4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	331	9.4	10.1
3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	63	11.6	4.0	5	Pregnancy, childbirth and the puerperium (O00–O99)	161	4.6	4.9
4	Malignant neoplasms	39	7.2	2.5	6	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	141	4.0	4.3
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	26	4.8	1.7	7	Diabetes mellitus (E10–E14)	140	4.0	4.3
6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	13	2.4	*	8	Human immunodeficiency virus (HIV) disease (B20–B24)	104	2.9	3.2
7	Diabetes mellitus (E10–E14)	10	1.8	*	9	Cerebrovascular diseases (I60–I69)	75	2.1	2.3
8	Anemias (D50–D64)	8	1.5	*	10	Anemias (D50–D64)	56	1.6	1.7
8	Chronic lower respiratory diseases (J40–J47)	8	1.5	*	...	All other causes (residual)	981	27.8	29.8
10	Pregnancy, childbirth and the puerperium (O00–O99)	7	1.3	*	Non-Hispanic black, female, 35–44 years				
...	All other causes (residual)	108	20.0	6.9	...	All causes	6,005	100.0	212.4
					1	Malignant neoplasms	1,175	19.6	41.6
					2	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,052	17.5	37.2
					3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	763	12.7	27.0
					4	Diabetes mellitus (E10–E14)	266	4.4	9.4
					5	Cerebrovascular diseases (I60–I69)	222	3.7	7.9
					6	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	203	3.4	7.2
					7	Human immunodeficiency virus (HIV) disease (B20–B24)	182	3.0	6.4
					8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	127	2.1	4.5
					9	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	124	2.1	4.4
					10	Chronic liver disease and cirrhosis (K70,K73–K74)	105	1.7	3.7
					...	All other causes (residual)	1,786	29.7	63.2

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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 black, female, 45–54 years					Non-Hispanic black, female, 65–74 years				
...	All causes	13,045	100.0	458.4	...	All causes	31,625	100.0	1,920.5
1	Malignant neoplasms (C00–C97)	3,493	26.8	122.8	1	Malignant neoplasms (C00–C97)	9,386	29.7	570.0
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	2,692	20.6	94.6	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	7,267	23.0	441.3
3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,058	8.1	37.2	3	Cerebrovascular diseases (I60–I69)	1,974	6.2	119.9
4	Diabetes mellitus (E10–E14)	615	4.7	21.6	4	Diabetes mellitus (E10–E14)	1,728	5.5	104.9
5	Cerebrovascular diseases (I60–I69)	601	4.6	21.1	5	Chronic lower respiratory diseases (J40–J47)	1,402	4.4	85.1
6	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	323	2.5	11.4	6	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	1,149	3.6	69.8
7	Chronic lower respiratory diseases (J40–J47)	317	2.4	11.1	7	Septicemia (A40–A41)	838	2.6	50.9
8	Human immunodeficiency virus (HIV) disease (B20–B24)	298	2.3	10.5	8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	632	2.0	38.4
9	Septicemia (A40–A41)	287	2.2	10.1	9	Influenza and pneumonia (J09–J18)	524	1.7	31.8
10	Chronic liver disease and cirrhosis (K70,K73–K74)	281	2.2	9.9	10	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	512	1.6	31.1
...	All other causes (residual)	3,080	23.6	108.2	...	All other causes (residual)	6,213	19.6	377.3
Non-Hispanic black, female, 55–64 years					Non-Hispanic black, female, 75–84 years				
...	All causes	26,946	100.0	1,012.7	...	All causes	34,337	100.0	4,369.8
1	Malignant neoplasms (C00–C97)	8,429	31.3	316.8	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	8,307	24.2	1,057.2
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	5,935	22.0	223.0	2	Malignant neoplasms (C00–C97)	7,320	21.3	931.6
3	Diabetes mellitus (E10–E14)	1,360	5.0	51.1	3	Cerebrovascular diseases (I60–I69)	2,686	7.8	341.8
4	Cerebrovascular diseases (I60–I69)	1,355	5.0	50.9	4	Alzheimer disease (G30)	1,802	5.2	229.3
5	Chronic lower respiratory diseases (J40–J47)	1,054	3.9	39.6	5	Diabetes mellitus (E10–E14)	1,725	5.0	219.5
6	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	978	3.6	36.8	6	Chronic lower respiratory diseases (J40–J47)	1,438	4.2	183.0
7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	851	3.2	32.0	7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	1,291	3.8	164.3
8	Septicemia (A40–A41)	623	2.3	23.4	8	Septicemia (A40–A41)	820	2.4	104.4
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	486	1.8	18.3	9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	780	2.3	99.3
10	Chronic liver disease and cirrhosis (K70,K73–K74)	455	1.7	17.1	10	Influenza and pneumonia (J09–J18)	678	2.0	86.3
...	All other causes (residual)	5,420	20.1	203.7	...	All other causes (residual)	7,490	21.8	953.2
Non-Hispanic black, female, 65 years and over					Non-Hispanic black, female, 85 years and over				
...	All causes	106,145	100.0	3,821.6	...	All causes	40,183	100.0	11,646.4
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	26,503	25.0	954.2	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	10,929	27.2	3,167.6
2	Malignant neoplasms (C00–C97)	20,977	19.8	755.2	2	Malignant neoplasms (C00–C97)	4,271	10.6	1,237.9
3	Cerebrovascular diseases (I60–I69)	8,217	7.7	295.8	3	Alzheimer disease (G30)	4,208	10.5	1,219.6
4	Alzheimer disease (G30)	6,444	6.1	232.0	4	Cerebrovascular diseases (I60–I69)	3,557	8.9	1,030.9
5	Diabetes mellitus (E10–E14)	4,877	4.6	175.6	5	Diabetes mellitus (E10–E14)	1,424	3.5	412.7
6	Chronic lower respiratory diseases (J40–J47)	4,052	3.8	145.9	6	Chronic lower respiratory diseases (J40–J47)	1,212	3.0	351.3
7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	3,619	3.4	130.3	7	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,186	3.0	343.7
8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	2,598	2.4	93.5	8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	1,179	2.9	341.7
9	Septicemia (A40–A41)	2,407	2.3	86.7	9	Influenza and pneumonia (J09–J18)	895	2.2	259.4
10	Influenza and pneumonia (J09–J18)	2,097	2.0	75.5	10	Septicemia (A40–A41)	749	1.9	217.1
...	All other causes (residual)	24,354	22.9	876.8	...	All other causes (residual)	10,573	26.3	3,064.4

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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, both sexes, all ages ⁴					Non-Hispanic American Indian or Alaska Native, both sexes, 10–14 years				
...	All causes	19,198	100.0	703.4	...	All causes	64	100.0	31.1
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	3,472	18.1	127.2	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	21	32.8	10.2
2	Malignant neoplasms .....(C00–C97)	3,257	17.0	119.3	2	Malignant neoplasms .....(C00–C97)	12	18.8	*
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	2,229	11.6	81.7	2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	12	18.8	*
4	Diabetes mellitus .....(E10–E14)	1,114	5.8	40.8	4	Diseases of heart (I00–I09,I11,I13,I20–I51)	3	4.7	*
5	Chronic liver disease and cirrhosis.....(K70,K73–K74)	1,047	5.5	38.4	5	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	2	3.1	*
6	Chronic lower respiratory diseases (J40–J47)	939	4.9	34.4	6	Diabetes mellitus .....(E10–E14)	1	1.6	*
7	Cerebrovascular diseases (I60–I69)	737	3.8	27.0	6	Influenza and pneumonia (J09–J18)	1	1.6	*
8	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	602	3.1	22.1	6	Assault (homicide) ... (*U01–*U02,X85–Y09,Y87.1)	1	1.6	*
9	Influenza and pneumonia (J09–J18)	391	2.0	14.3	6	Legal intervention .....(Y35,Y89.0)	1	1.6	*
10	Alzheimer disease (G30)	376	2.0	13.8	...	All other causes (residual)	10	15.6	*
...	All other causes (residual)	5,034	26.2	184.5	Non-Hispanic American Indian or Alaska Native, both sexes, 15–19 years				
...	All causes	72	100.0	45.3	...	All causes	208	100.0	99.5
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	25	34.7	15.7	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	91	43.8	43.5
2	Assault (homicide) ... (*U01–*U02,X85–Y09,Y87.1)	8	11.1	*	2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	68	32.7	32.5
3	Influenza and pneumonia (J09–J18)	5	6.9	*	3	Assault (homicide) ... (*U01–*U02,X85–Y09,Y87.1)	16	7.7	*
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	5	6.9	*	4	Malignant neoplasms .....(C00–C97)	9	4.3	*
5	Malignant neoplasms .....(C00–C97)	4	5.6	*	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	4	1.9	*
6	Diseases of heart (I00–I09,I11,I13,I20–I51)	2	2.8	*	6	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	3	1.4	*
6	Cerebrovascular diseases (I60–I69)	2	2.8	*	7	Cerebrovascular diseases (I60–I69)	1	0.5	*
8	Acute bronchitis and bronchiolitis ... (J20–J21)	1	1.4	*	7	Pregnancy, childbirth and the puerperium (O00–O99)	1	0.5	*
8	Hernia .....(K40–K46)	1	1.4	*	...	All other causes (residual)	15	7.2	*
8	Certain conditions originating in the perinatal period .....(P00–P96)	1	1.4	*	Non-Hispanic American Indian or Alaska Native, both sexes, 20–24 years				
...	All other causes (residual)	18	25.0	*	...	All causes	354	100.0	163.3
...	All causes	38	100.0	18.6	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	165	46.6	76.1
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	19	50.0	*	2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	91	25.7	42.0
2	Malignant neoplasms .....(C00–C97)	4	10.5	*	3	Assault (homicide) ... (*U01–*U02,X85–Y09,Y87.1)	29	8.2	13.4
3	Diseases of heart (I00–I09,I11,I13,I20–I51)	3	7.9	*	4	Malignant neoplasms .....(C00–C97)	7	2.0	*
4	Certain conditions originating in the perinatal period .....(P00–P96)	2	5.3	*	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	6	1.7	*
4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	2	5.3	*	6	Legal intervention .....(Y35,Y89.0)	5	1.4	*
4	Assault (homicide) ... (*U01–*U02,X85–Y09,Y87.1)	2	5.3	*	7	Diabetes mellitus .....(E10–E14)	3	0.8	*
7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	1	2.6	*	7	Cerebrovascular diseases (I60–I69)	3	0.8	*
...	All other causes (residual)	5	13.2	*	9	Septicemia .....(A40–A41)	2	0.6	*
...	All other causes (residual)	5	13.2	*	9	Influenza and pneumonia (J09–J18)	2	0.6	*
...	All other causes (residual)	5	13.2	*	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	2	0.6	*
...	All other causes (residual)	5	13.2	*	9	Pregnancy, childbirth and the puerperium (O00–O99)	2	0.6	*
...	All other causes (residual)	5	13.2	*	...	All other causes (residual)	37	10.5	17.1

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, 2017—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, both sexes, 25–34 years					Non-Hispanic American Indian or Alaska Native, both sexes, 55–64 years				
...	All causes	1,194	100.0	290.4	...	All causes	3,543	100.0	1,099.3
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	459	38.4	111.6	1	Malignant neoplasms (C00–C97)	875	24.7	271.5
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	184	15.4	44.8	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	658	18.6	204.2
3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	96	8.0	23.4	3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	283	8.0	87.8
4	Chronic liver disease and cirrhosis (K70,K73–K74)	85	7.1	20.7	4	Chronic liver disease and cirrhosis (K70,K73–K74)	278	7.8	86.3
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	60	5.0	14.6	5	Diabetes mellitus (E10–E14)	244	6.9	75.7
6	Malignant neoplasms (C00–C97)	28	2.3	6.8	6	Chronic lower respiratory diseases (J40–J47)	178	5.0	55.2
7	Diabetes mellitus (E10–E14)	14	1.2	*	7	Cerebrovascular diseases (I60–I69)	102	2.9	31.6
8	Septicemia (A40–A41)	12	1.0	*	8	Influenza and pneumonia (J09–J18)	64	1.8	19.9
8	Influenza and pneumonia (J09–J18)	12	1.0	*	9	Septicemia (A40–A41)	61	1.7	18.9
10	Cerebrovascular diseases (I60–I69)	10	0.8	*	10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	56	1.6	17.4
...	All other causes (residual)	234	19.6	56.9	...	All other causes (residual)	744	21.0	230.8
Non-Hispanic American Indian or Alaska Native, both sexes, 35–44 years					Non-Hispanic American Indian or Alaska Native, both sexes, 65 years and over				
...	All causes	1,409	100.0	428.2	...	All causes	9,746	100.0	3,247.9
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	421	29.9	127.9	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	2,235	22.9	744.8
2	Chronic liver disease and cirrhosis (K70,K73–K74)	189	13.4	57.4	2	Malignant neoplasms (C00–C97)	1,928	19.8	642.5
3	Diseases of heart (I00–I09,I11,I13,I20–I51)	135	9.6	41.0	3	Chronic lower respiratory diseases (J40–J47)	702	7.2	233.9
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	107	7.6	32.5	4	Diabetes mellitus (E10–E14)	641	6.6	213.6
5	Malignant neoplasms (C00–C97)	82	5.8	24.9	5	Cerebrovascular diseases (I60–I69)	544	5.6	181.3
6	Diabetes mellitus (E10–E14)	75	5.3	22.8	6	Alzheimer disease (G30)	370	3.8	123.3
7	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	54	3.8	16.4	7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	332	3.4	110.6
8	Cerebrovascular diseases (I60–I69)	20	1.4	6.1	8	Influenza and pneumonia (J09–J18)	247	2.5	82.3
9	Septicemia (A40–A41)	16	1.1	*	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	222	2.3	74.0
9	Influenza and pneumonia (J09–J18)	16	1.1	*	10	Chronic liver disease and cirrhosis (K70,K73–K74)	183	1.9	61.0
...	All other causes (residual)	294	20.9	89.3	...	All other causes (residual)	2,342	24.0	780.5
Non-Hispanic American Indian or Alaska Native, both sexes, 45–54 years					Non-Hispanic American Indian or Alaska Native, both sexes, 65–74 years				
...	All causes	2,286	100.0	686.8	...	All causes	3,744	100.0	1,937.0
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	389	17.0	116.9	1	Malignant neoplasms (C00–C97)	958	25.6	495.6
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	359	15.7	107.9	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	766	20.5	396.3
3	Chronic liver disease and cirrhosis (K70,K73–K74)	311	13.6	93.4	3	Diabetes mellitus (E10–E14)	292	7.8	151.1
4	Malignant neoplasms (C00–C97)	308	13.5	92.5	4	Chronic lower respiratory diseases (J40–J47)	283	7.6	146.4
5	Diabetes mellitus (E10–E14)	136	5.9	40.9	5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	149	4.0	77.1
6	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	79	3.5	23.7	6	Cerebrovascular diseases (I60–I69)	144	3.8	74.5
7	Cerebrovascular diseases (I60–I69)	55	2.4	16.5	7	Chronic liver disease and cirrhosis (K70,K73–K74)	141	3.8	72.9
8	Chronic lower respiratory diseases (J40–J47)	45	2.0	13.5	8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	95	2.5	49.1
9	Influenza and pneumonia (J09–J18)	43	1.9	12.9	9	Influenza and pneumonia (J09–J18)	74	2.0	38.3
10	Septicemia (A40–A41)	42	1.8	12.6	10	Septicemia (A40–A41)	70	1.9	36.2
...	All other causes (residual)	519	22.7	155.9	...	All other causes (residual)	772	20.6	399.4

See footnotes at end of table.

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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, both sexes, 75–84 years					Non-Hispanic American Indian or Alaska Native, male, 1–4 years				
...	All causes	3,529	100.0	4,423.7	...	All causes	33	100.0	40.8
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	803	22.8	1,006.6	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	11	33.3	*
2	Malignant neoplasms .....(C00–C97)	689	19.5	863.7	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	4	12.1	*
3	Chronic lower respiratory diseases (J40–J47)	264	7.5	330.9	3	Malignant neoplasms .....(C00–C97)	3	9.1	*
4	Diabetes mellitus .....(E10–E14)	246	7.0	308.4	4	Cerebrovascular diseases (I60–I69)	2	6.1	*
5	Cerebrovascular diseases (I60–I69)	218	6.2	273.3	4	Influenza and pneumonia (J09–J18)	2	6.1	*
6	Alzheimer disease (G30)	152	4.3	190.5	4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	2	6.1	*
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	113	3.2	141.6	7	Diseases of heart (I00–I09,I11,I13,I20–I51)	1	3.0	*
8	Influenza and pneumonia (J09–J18)	96	2.7	120.3	7	Acute bronchitis and bronchiolitis ... (J20–J21)	1	3.0	*
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	81	2.3	101.5	7	Hernia .....(K40–K46)	1	3.0	*
10	Septicemia .....(A40–A41)	60	1.7	75.2	7	Certain conditions originating in the perinatal period .....(P00–P96)	1	3.0	*
...	All other causes (residual)	807	22.9	1,011.6	...	All other causes (residual)	5	15.2	*
Non-Hispanic American Indian or Alaska Native, both sexes, 85 years and over					Non-Hispanic American Indian or Alaska Native, male, 5–9 years				
...	All causes	2,473	100.0	9,157.2	...	All causes	19	100.0	*
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	666	26.9	2,466.1	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	10	52.6	*
2	Malignant neoplasms .....(C00–C97)	281	11.4	1,040.5	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	2	10.5	*
3	Alzheimer disease .....(G30)	193	7.8	714.7	3	Malignant neoplasms .....(C00–C97)	1	5.3	*
4	Cerebrovascular diseases (I60–I69)	182	7.4	673.9	3	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	1	5.3	*
5	Chronic lower respiratory diseases (J40–J47)	155	6.3	573.9	3	Certain conditions originating in the perinatal period .....(P00–P96)	1	5.3	*
6	Diabetes mellitus .....(E10–E14)	103	4.2	381.4	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1	5.3	*
7	Influenza and pneumonia (J09–J18)	77	3.1	285.1	3	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1	5.3	*
8	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	70	2.8	259.2	...	All other causes (residual)	2	10.5	*
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	46	1.9	170.3	Non-Hispanic American Indian or Alaska Native, male, 10–14 years				
10	Essential hypertension and hypertensive renal disease .....(I10,I12,I15)	41	1.7	151.8	...	All causes	36	100.0	34.7
...	All other causes (residual)	659	26.6	2,440.2	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	13	36.1	*
Non-Hispanic American Indian or Alaska Native, male, all ages ⁴					2	Malignant neoplasms .....(C00–C97)	8	22.2	*
...	All causes	10,502	100.0	784.4	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	5	13.9	*
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	2,033	19.4	151.8	4	Diseases of heart (I00–I09,I11,I13,I20–I51)	2	5.6	*
2	Malignant neoplasms .....(C00–C97)	1,725	16.4	128.8	5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1	2.8	*
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,448	13.8	108.1	5	Legal intervention .....(Y35,Y89.0)	1	2.8	*
4	Diabetes mellitus .....(E10–E14)	624	5.9	46.6	...	All other causes (residual)	6	16.7	*
5	Chronic liver disease and cirrhosis .....(K70,K73–K74)	559	5.3	41.8	Non-Hispanic American Indian or Alaska Native, male, 10–14 years				
6	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	448	4.3	33.5	...	All causes	36	100.0	34.7
7	Chronic lower respiratory diseases (J40–J47)	441	4.2	32.9	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	13	36.1	*
8	Cerebrovascular diseases (I60–I69)	322	3.1	24.0	2	Malignant neoplasms .....(C00–C97)	8	22.2	*
9	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	199	1.9	14.9	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	5	13.9	*
10	Influenza and pneumonia (J09–J18)	186	1.8	13.9	4	Diseases of heart (I00–I09,I11,I13,I20–I51)	2	5.6	*
...	All other causes (residual)	2,517	24.0	188.0	5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	1	2.8	*

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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, 15-19 years					Non-Hispanic American Indian or Alaska Native, male, 35-44 years				
...	All causes	148	100.0	139.8	...	All causes	871	100.0	538.5
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	61	41.2	57.6	1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	274	31.5	169.4
2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	50	33.8	47.2	2	Chronic liver disease and cirrhosis..... (K70,K73-K74)	98	11.3	60.6
3	Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1)	15	10.1	*	3	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	84	9.6	51.9
4	Malignant neoplasms..... (C00-C97)	7	4.7	*	4	Diseases of heart.... (I00-I09,I11,I13,I20-I51)	79	9.1	48.8
5	Diseases of heart.... (I00-I09,I11,I13,I20-I51)	3	2.0	*	5	Diabetes mellitus..... (E10-E14)	46	5.3	28.4
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	2	1.4	*	6	Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1)	42	4.8	26.0
...	All other causes..... (residual)	10	6.8	*	7	Malignant neoplasms..... (C00-C97)	35	4.0	21.6
Non-Hispanic American Indian or Alaska Native, male, 20-24 years					8	Cerebrovascular diseases..... (I60-I69)	14	1.6	*
...	All causes	244	100.0	221.7	9	Influenza and pneumonia..... (J09-J18)	12	1.4	*
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	116	47.5	105.4	10	Nephritis, nephrotic syndrome and nephrosis.... (N00-N07,N17-N19,N25-N27)	10	1.1	*
2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	66	27.0	60.0	...	All other causes..... (residual)	177	20.3	109.4
3	Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1)	23	9.4	20.9	Non-Hispanic American Indian or Alaska Native, male, 45-54 years				
4	Diseases of heart.... (I00-I09,I11,I13,I20-I51)	5	2.0	*	...	All causes	1,367	100.0	848.7
4	Legal intervention..... (Y35,Y89.0)	5	2.0	*	1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	251	18.4	155.8
6	Malignant neoplasms..... (C00-C97)	4	1.6	*	2	Diseases of heart.... (I00-I09,I11,I13,I20-I51)	249	18.2	154.6
7	Diabetes mellitus..... (E10-E14)	2	0.8	*	3	Chronic liver disease and cirrhosis..... (K70,K73-K74)	167	12.2	103.7
8	Septicemia..... (A40-A41)	1	0.4	*	4	Malignant neoplasms..... (C00-C97)	143	10.5	88.8
8	Influenza and pneumonia..... (J09-J18)	1	0.4	*	5	Diabetes mellitus..... (E10-E14)	83	6.1	51.5
8	Chronic lower respiratory diseases..... (J40-J47)	1	0.4	*	6	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	62	4.5	38.5
8	Nephritis, nephrotic syndrome and nephrosis.... (N00-N07,N17-N19,N25-N27)	1	0.4	*	7	Cerebrovascular diseases..... (I60-I69)	33	2.4	20.5
...	All other causes..... (residual)	19	7.8	*	8	Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1)	30	2.2	18.6
Non-Hispanic American Indian or Alaska Native, male, 25-34 years					9	Septicemia..... (A40-A41)	23	1.7	14.3
...	All causes	779	100.0	376.6	10	Influenza and pneumonia..... (J09-J18)	22	1.6	13.7
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	308	39.5	148.9	...	All other causes..... (residual)	304	22.2	188.7
2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	130	16.7	62.9	Non-Hispanic American Indian or Alaska Native, male, 55-64 years				
3	Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1)	68	8.7	32.9	...	All causes	2,068	100.0	1,370.5
4	Chronic liver disease and cirrhosis..... (K70,K73-K74)	46	5.9	22.2	1	Malignant neoplasms..... (C00-C97)	491	23.7	325.4
5	Diseases of heart.... (I00-I09,I11,I13,I20-I51)	40	5.1	19.3	2	Diseases of heart.... (I00-I09,I11,I13,I20-I51)	423	20.5	280.3
6	Malignant neoplasms..... (C00-C97)	11	1.4	*	3	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	199	9.6	131.9
7	Diabetes mellitus..... (E10-E14)	10	1.3	*	4	Diabetes mellitus..... (E10-E14)	164	7.9	108.7
8	Legal intervention..... (Y35,Y89.0)	9	1.2	*	5	Chronic liver disease and cirrhosis..... (K70,K73-K74)	153	7.4	101.4
9	Septicemia..... (A40-A41)	7	0.9	*	6	Chronic lower respiratory diseases..... (J40-J47)	81	3.9	53.7
10	Influenza and pneumonia..... (J09-J18)	6	0.8	*	7	Cerebrovascular diseases..... (I60-I69)	49	2.4	32.5
...	All other causes..... (residual)	144	18.5	69.6	8	Influenza and pneumonia..... (J09-J18)	35	1.7	23.2
					9	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	30	1.5	19.9
					10	Septicemia..... (A40-A41)	29	1.4	19.2
					...	All other causes..... (residual)	414	20.0	274.4

See footnotes at end of table.

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2017—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, 10th 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 years and over					Non-Hispanic American Indian or Alaska Native, male, 85 years and over				
...	All causes	4,786	100.0	3,561.9	...	All causes	940	100.0	9,649.9
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,224	25.6	910.9	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	286	30.4	2,936.0
2	Malignant neoplasms .....(C00-C97)	1,022	21.4	760.6	2	Malignant neoplasms .....(C00-C97)	121	12.9	1,242.2
3	Chronic lower respiratory diseases (J40-J47)	337	7.0	250.8	3	Chronic lower respiratory diseases (J40-J47)	63	6.7	646.8
4	Diabetes mellitus (E10-E14)	319	6.7	237.4	4	Cerebrovascular diseases (I60-I69)	60	6.4	616.0
5	Cerebrovascular diseases (I60-I69)	219	4.6	163.0	5	Alzheimer disease (G30)	51	5.4	523.6
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	190	4.0	141.4	6	Diabetes mellitus (E10-E14)	36	3.8	369.6
7	Alzheimer disease (G30)	117	2.4	87.1	7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	32	3.4	328.5
8	Influenza and pneumonia (J09-J18)	107	2.2	79.6	8	Influenza and pneumonia (J09-J18)	28	3.0	287.4
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	96	2.0	71.4	9	Parkinson disease (G20-G21)	19	2.0	*
10	Chronic liver disease and cirrhosis (K70,K73-K74)	95	2.0	70.7	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	15	1.6	*
...	All other causes (residual)	1,060	22.1	788.9	...	All other causes (residual)	229	24.4	2,350.9
Non-Hispanic American Indian or Alaska Native, male, 65-74 years					Non-Hispanic American Indian or Alaska Native, female, all ages ⁴				
...	All causes	2,084	100.0	2,322.1	...	All causes	8,696	100.0	625.5
1	Malignant neoplasms .....(C00-C97)	528	25.3	588.3	1	Malignant neoplasms .....(C00-C97)	1,532	17.6	110.2
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	495	23.8	551.6	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,439	16.5	103.5
3	Diabetes mellitus (E10-E14)	162	7.8	180.5	3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	781	9.0	56.2
4	Chronic lower respiratory diseases (J40-J47)	139	6.7	154.9	4	Chronic lower respiratory diseases (J40-J47)	498	5.7	35.8
5	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	90	4.3	100.3	5	Diabetes mellitus (E10-E14)	490	5.6	35.2
6	Chronic liver disease and cirrhosis (K70,K73-K74)	85	4.1	94.7	6	Chronic liver disease and cirrhosis (K70,K73-K74)	488	5.6	35.1
7	Cerebrovascular diseases (I60-I69)	76	3.6	84.7	7	Cerebrovascular diseases (I60-I69)	415	4.8	29.9
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	50	2.4	55.7	8	Alzheimer disease (G30)	256	2.9	18.4
9	Influenza and pneumonia (J09-J18)	37	1.8	41.2	9	Influenza and pneumonia (J09-J18)	205	2.4	14.7
10	Septicemia (A40-A41)	29	1.4	32.3	10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	179	2.1	12.9
...	All other causes (residual)	393	18.9	437.9	...	All other causes (residual)	2,413	27.7	173.6
Non-Hispanic American Indian or Alaska Native, male, 75-84 years					Non-Hispanic American Indian or Alaska Native, female, 1-4 years				
...	All causes	1,762	100.0	5,051.9	...	All causes	39	100.0	50.0
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	443	25.1	1,270.1	1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	14	35.9	*
2	Malignant neoplasms .....(C00-C97)	373	21.2	1,069.4	2	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	6	15.4	*
3	Chronic lower respiratory diseases (J40-J47)	135	7.7	387.1	3	Influenza and pneumonia (J09-J18)	3	7.7	*
4	Diabetes mellitus (E10-E14)	121	6.9	346.9	4	Malignant neoplasms .....(C00-C97)	1	2.6	*
5	Cerebrovascular diseases (I60-I69)	83	4.7	238.0	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	1	2.6	*
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	68	3.9	195.0	4	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	1	2.6	*
7	Alzheimer disease (G30)	56	3.2	160.6	...	All other causes (residual)	13	33.3	*
8	Influenza and pneumonia (J09-J18)	42	2.4	120.4					
9	Parkinson disease (G20-G21)	37	2.1	106.1					
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	32	1.8	91.7					
...	All other causes (residual)	372	21.1	1,066.6					

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, 2017—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, female, 5–9 years					Non-Hispanic American Indian or Alaska Native, female, 20–24 years				
...	All causes	19	100.0	*	...	All causes	110	100.0	103.0
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	9	47.4	*	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	49	44.5	45.9
2	Malignant neoplasms	3	15.8	*	2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	25	22.7	23.4
3	Diseases of heart (I00–I09,I11,I13,I20–I51)	1	5.3	*	3	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	6	5.5	*
3	Certain conditions originating in the perinatal period	1	5.3	*	4	Malignant neoplasms	3	2.7	*
3	Congenital malformations, deformations and chromosomal abnormalities	1	5.3	*	4	Cerebrovascular diseases	3	2.7	*
3	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	1	5.3	*	6	Pregnancy, childbirth and the puerperium	2	1.8	*
...	All other causes	3	15.8	*	7	Septicemia	1	0.9	*
Non-Hispanic American Indian or Alaska Native, female, 10–14 years					Non-Hispanic American Indian or Alaska Native, female, 25–34 years				
...	All causes	28	100.0	27.5	...	All causes	415	100.0	203.1
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	8	28.6	*	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	151	36.4	73.9
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	7	25.0	*	2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	54	13.0	26.4
3	Malignant neoplasms	4	14.3	*	3	Chronic liver disease and cirrhosis	39	9.4	19.1
4	Congenital malformations, deformations and chromosomal abnormalities	2	7.1	*	4	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	28	6.7	13.7
5	Diabetes mellitus	1	3.6	*	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	20	4.8	9.8
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	1	3.6	*	6	Malignant neoplasms	17	4.1	*
5	Influenza and pneumonia	1	3.6	*	7	Pregnancy, childbirth and the puerperium	8	1.9	*
...	All other causes	4	14.3	*	8	Influenza and pneumonia	6	1.4	*
Non-Hispanic American Indian or Alaska Native, female, 15–19 years					Non-Hispanic American Indian or Alaska Native, female, 25–34 years				
...	All causes	60	100.0	58.2	...	All causes	415	100.0	203.1
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	30	50.0	29.1	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	151	36.4	73.9
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	18	30.0	*	2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	54	13.0	26.4
3	Malignant neoplasms	2	3.3	*	3	Chronic liver disease and cirrhosis	39	9.4	19.1
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	1	1.7	*	4	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	28	6.7	13.7
4	Cerebrovascular diseases	1	1.7	*	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	20	4.8	9.8
4	Pregnancy, childbirth and the puerperium	1	1.7	*	6	Malignant neoplasms	17	4.1	*
4	Congenital malformations, deformations and chromosomal abnormalities	1	1.7	*	7	Pregnancy, childbirth and the puerperium	8	1.9	*
4	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	1	1.7	*	8	Influenza and pneumonia	6	1.4	*
...	All other causes	5	8.3	*	9	Septicemia	5	1.2	*
Non-Hispanic American Indian or Alaska Native, female, 15–19 years					Non-Hispanic American Indian or Alaska Native, female, 25–34 years				
...	All causes	60	100.0	58.2	...	All causes	415	100.0	203.1
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	30	50.0	29.1	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	151	36.4	73.9
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	18	30.0	*	2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	54	13.0	26.4
3	Malignant neoplasms	2	3.3	*	3	Chronic liver disease and cirrhosis	39	9.4	19.1
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	1	1.7	*	4	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	28	6.7	13.7
4	Cerebrovascular diseases	1	1.7	*	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	20	4.8	9.8
4	Pregnancy, childbirth and the puerperium	1	1.7	*	6	Malignant neoplasms	17	4.1	*
4	Congenital malformations, deformations and chromosomal abnormalities	1	1.7	*	7	Pregnancy, childbirth and the puerperium	8	1.9	*
4	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	1	1.7	*	8	Influenza and pneumonia	6	1.4	*
...	All other causes	5	8.3	*	9	Septicemia	5	1.2	*
...	All other causes	5	8.3	*	9	Cerebrovascular diseases	5	1.2	*
...	All other causes	5	8.3	*	...	All other causes	82	19.8	40.1

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, 2017—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, female, 35–44 years					Non-Hispanic American Indian or Alaska Native, female, 65 years and over				
...	All causes	538	100.0	321.5	...	All causes	4,960	100.0	2,993.3
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	147	27.3	87.8	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,011	20.4	610.1
2	Chronic liver disease and cirrhosis..... (K70,K73–K74)	91	16.9	54.4	2	Malignant neoplasms..... (C00–C97)	906	18.3	546.8
3	Diseases of heart (I00–I09,I11,I13,I20–I51)	56	10.4	33.5	3	Chronic lower respiratory diseases..... (J40–J47)	365	7.4	220.3
4	Malignant neoplasms..... (C00–C97)	47	8.7	28.1	4	Cerebrovascular diseases..... (I60–I69)	325	6.6	196.1
5	Diabetes mellitus..... (E10–E14)	29	5.4	17.3	5	Diabetes mellitus..... (E10–E14)	322	6.5	194.3
6	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	23	4.3	13.7	6	Alzheimer disease..... (G30)	253	5.1	152.7
7	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	12	2.2	*	7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	142	2.9	85.7
8	Septicemia..... (A40–A41)	8	1.5	*	8	Influenza and pneumonia..... (J09–J18)	140	2.8	84.5
9	Chronic lower respiratory diseases..... (J40–J47)	7	1.3	*	9	Nephritis, nephrotic syndrome and nephrosis.... (N00–N07,N17–N19,N25–N27)	126	2.5	76.0
10	Cerebrovascular diseases..... (I60–I69)	6	1.1	*	10	Septicemia..... (A40–A41)	98	2.0	59.1
...	All other causes..... (residual)	112	20.8	66.9	...	All other causes..... (residual)	1,272	25.6	767.6
Non-Hispanic American Indian or Alaska Native, female, 45–54 years					Non-Hispanic American Indian or Alaska Native, female, 65–74 years				
...	All causes	919	100.0	535.0	...	All causes	1,660	100.0	1,603.2
1	Malignant neoplasms..... (C00–C97)	165	18.0	96.0	1	Malignant neoplasms..... (C00–C97)	430	25.9	415.3
2	Chronic liver disease and cirrhosis..... (K70,K73–K74)	144	15.7	83.8	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	271	16.3	261.7
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	138	15.0	80.3	3	Chronic lower respiratory diseases..... (J40–J47)	144	8.7	139.1
4	Diseases of heart (I00–I09,I11,I13,I20–I51)	110	12.0	64.0	4	Diabetes mellitus..... (E10–E14)	130	7.8	125.6
5	Diabetes mellitus..... (E10–E14)	53	5.8	30.9	5	Cerebrovascular diseases..... (I60–I69)	68	4.1	65.7
6	Chronic lower respiratory diseases..... (J40–J47)	27	2.9	15.7	6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	59	3.6	57.0
7	Cerebrovascular diseases..... (I60–I69)	22	2.4	12.8	7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	56	3.4	54.1
8	Influenza and pneumonia..... (J09–J18)	21	2.3	12.2	8	Nephritis, nephrotic syndrome and nephrosis.... (N00–N07,N17–N19,N25–N27)	45	2.7	43.5
9	Septicemia..... (A40–A41)	19	2.1	*	9	Septicemia..... (A40–A41)	41	2.5	39.6
10	Nephritis, nephrotic syndrome and nephrosis.... (N00–N07,N17–N19,N25–N27)	18	2.0	*	10	Influenza and pneumonia..... (J09–J18)	37	2.2	35.7
...	All other causes..... (residual)	202	22.0	117.6	...	All other causes..... (residual)	379	22.8	366.0
Non-Hispanic American Indian or Alaska Native, female, 55–64 years					Non-Hispanic American Indian or Alaska Native, female, 75–84 years				
...	All causes	1,475	100.0	860.6	...	All causes	1,767	100.0	3,935.7
1	Malignant neoplasms..... (C00–C97)	384	26.0	224.0	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	360	20.4	801.8
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	235	15.9	137.1	2	Malignant neoplasms..... (C00–C97)	316	17.9	703.8
3	Chronic liver disease and cirrhosis..... (K70,K73–K74)	125	8.5	72.9	3	Cerebrovascular diseases..... (I60–I69)	135	7.6	300.7
4	Chronic lower respiratory diseases..... (J40–J47)	97	6.6	56.6	4	Chronic lower respiratory diseases..... (J40–J47)	129	7.3	287.3
5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	84	5.7	49.0	5	Diabetes mellitus..... (E10–E14)	125	7.1	278.4
6	Diabetes mellitus..... (E10–E14)	80	5.4	46.7	6	Alzheimer disease..... (G30)	96	5.4	213.8
7	Cerebrovascular diseases..... (I60–I69)	53	3.6	30.9	7	Influenza and pneumonia..... (J09–J18)	54	3.1	120.3
8	Septicemia..... (A40–A41)	32	2.2	18.7	8	Nephritis, nephrotic syndrome and nephrosis.... (N00–N07,N17–N19,N25–N27)	49	2.8	109.1
9	Influenza and pneumonia..... (J09–J18)	29	2.0	16.9	9	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	45	2.5	100.2
9	Nephritis, nephrotic syndrome and nephrosis.... (N00–N07,N17–N19,N25–N27)	29	2.0	16.9	10	Septicemia..... (A40–A41)	33	1.9	73.5
...	All other causes..... (residual)	327	22.2	190.8	...	All other causes..... (residual)	425	24.1	946.6

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[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, 10th 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, 85 years and over					Non-Hispanic Asian or Pacific Islander, both sexes, 5–9 years				
...	All causes	1,533	100.0	8,879.2	...	All causes	100	100.0	8.4
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	380	24.8	2,201.0	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	20	20.0	1.7
2	Malignant neoplasms (C00–C97)	160	10.4	926.7	2	Malignant neoplasms (C00–C97)	18	18.0	*
3	Alzheimer disease (G30)	142	9.3	822.5	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	12	12.0	*
4	Cerebrovascular diseases (I60–I69)	122	8.0	706.6	4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	7	7.0	*
5	Chronic lower respiratory diseases (J40–J47)	92	6.0	532.9	5	Septicemia (A40–A41)	3	3.0	*
6	Diabetes mellitus (E10–E14)	67	4.4	388.1	6	Anemias (D50–D64)	2	2.0	*
7	Influenza and pneumonia (J09–J18)	49	3.2	283.8	6	Influenza and pneumonia (J09–J18)	2	2.0	*
8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	38	2.5	220.1	6	Acute bronchitis and bronchiolitis (J20–J21)	2	2.0	*
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	32	2.1	185.3	9	Diseases of heart (I00–I09,I11,I13,I20–I51)	1	1.0	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	26	1.7	150.6	9	Chronic lower respiratory diseases (J40–J47)	1	1.0	*
...	All other causes (residual)	425	27.7	2,461.6	9	Certain conditions originating in the perinatal period (P00–P96)	1	1.0	*
Non-Hispanic Asian or Pacific Islander, both sexes, all ages ⁴					Non-Hispanic Asian or Pacific Islander, both sexes, 10–14 years				
...	All causes	72,598	100.0	359.8	...	All causes	108	100.0	8.9
1	Malignant neoplasms (C00–C97)	18,257	25.1	90.5	1	Malignant neoplasms (C00–C97)	24	22.2	2.0
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	15,490	21.3	76.8	2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	22	20.4	1.8
3	Cerebrovascular diseases (I60–I69)	5,430	7.5	26.9	3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	17	15.7	*
4	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	3,256	4.5	16.1	4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	9	8.3	*
5	Diabetes mellitus (E10–E14)	3,047	4.2	15.1	5	Septicemia (A40–A41)	3	2.8	*
6	Alzheimer disease (G30)	2,583	3.6	12.8	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	3	2.8	*
7	Influenza and pneumonia (J09–J18)	2,286	3.1	11.3	7	Cerebrovascular diseases (I60–I69)	2	1.9	*
8	Chronic lower respiratory diseases (J40–J47)	2,063	2.8	10.2	7	Chronic lower respiratory diseases (J40–J47)	2	1.9	*
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	1,534	2.1	7.6	7	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	2	1.9	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,472	2.0	7.3	10	Meningococcal infection (A39)	1	0.9	*
...	All other causes (residual)	17,180	23.7	85.1	10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	1	0.9	*
Non-Hispanic Asian or Pacific Islander, both sexes, 1–4 years					Non-Hispanic Asian or Pacific Islander, both sexes, 15–19 years				
...	All causes	148	100.0	15.6	...	All causes	108	100.0	8.9
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	36	24.3	3.8	10	Anemias (D50–D64)	1	0.9	*
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	21	14.2	2.2	10	Diabetes mellitus (E10–E14)	1	0.9	*
3	Malignant neoplasms (C00–C97)	20	13.5	2.1	10	Meningitis (G00,G03)	1	0.9	*
4	Influenza and pneumonia (J09–J18)	6	4.1	*	10	Influenza and pneumonia (J09–J18)	1	0.9	*
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	4	2.7	*	10	Certain conditions originating in the perinatal period (P00–P96)	1	0.9	*
5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	4	2.7	*	...	All other causes (residual)	17	15.7	*
7	Septicemia (A40–A41)	3	2.0	*					
7	Anemias (D50–D64)	3	2.0	*					
7	Certain conditions originating in the perinatal period (P00–P96)	3	2.0	*					
10	Meningitis (G00,G03)	2	1.4	*					
10	Cerebrovascular diseases (I60–I69)	2	1.4	*					
...	All other causes (residual)	44	29.7	4.6					

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, 2017—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	325	100.0	26.5	...	All causes	1,500	100.0	43.3
1	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	105	32.3	8.6	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	433	28.9	12.5
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	81	24.9	6.6	2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	299	19.9	8.6
3	Malignant neoplasms	34	10.5	2.8	3	Malignant neoplasms	206	13.7	5.9
4	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	19	5.8	*	4	Diseases of heart (I00–I09,I11,I13,I20–I51)	98	6.5	2.8
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	16	4.9	*	5	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	81	5.4	2.3
6	Influenza and pneumonia	5	1.5	*	6	Cerebrovascular diseases	34	2.3	1.0
7	Cerebrovascular diseases	4	1.2	*	7	Diabetes mellitus	19	1.3	*
8	Congenital malformations, deformations and chromosomal abnormalities	3	0.9	*	7	Chronic liver disease and cirrhosis	19	1.3	*
9	Septicemia	2	0.6	*	9	Pregnancy, childbirth and the puerperium	18	1.2	*
9	Anemias	2	0.6	*	10	Influenza and pneumonia	16	1.1	*
9	Aortic aneurysm and dissection	2	0.6	*	...	All other causes	277	18.5	8.0
9	Complications of medical and surgical care	2	0.6	*					
...	All other causes	50	15.4	4.1	Non-Hispanic Asian or Pacific Islander, both sexes, 35–44 years				
Non-Hispanic Asian or Pacific Islander, both sexes, 20–24 years					...	All causes	2,227	100.0	70.2
...	All causes	635	100.0	44.2	1	Malignant neoplasms	605	27.2	19.1
1	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	210	33.1	14.6	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	323	14.5	10.2
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	202	31.8	14.1	3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	310	13.9	9.8
3	Malignant neoplasms	45	7.1	3.1	4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	212	9.5	6.7
4	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	40	6.3	2.8	5	Cerebrovascular diseases	128	5.7	4.0
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	21	3.3	1.5	6	Chronic liver disease and cirrhosis	68	3.1	2.1
6	Influenza and pneumonia	10	1.6	*	7	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	61	2.7	1.9
7	Congenital malformations, deformations and chromosomal abnormalities	9	1.4	*	8	Diabetes mellitus	57	2.6	1.8
8	Diabetes mellitus	3	0.5	*	9	Influenza and pneumonia	25	1.1	0.8
8	Pregnancy, childbirth and the puerperium	3	0.5	*	10	Septicemia	21	0.9	0.7
10	Septicemia	2	0.3	*	10	Essential hypertension and hypertensive renal disease	21	0.9	0.7
10	Cerebrovascular diseases	2	0.3	*	10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	21	0.9	0.7
10	Chronic lower respiratory diseases	2	0.3	*	...	All other causes	375	16.8	11.8
10	Pneumonitis due to solids and liquids	2	0.3	*					
10	Legal intervention	2	0.3	*					
...	All other causes	82	12.9	5.7					

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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	4,685	100.0	171.7	...	All causes	12,893	100.0	894.9
1	Malignant neoplasms (C00–C97)	1,785	38.1	65.4	1	Malignant neoplasms (C00–C97)	4,608	35.7	319.8
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	800	17.1	29.3	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	2,710	21.0	188.1
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	353	7.5	12.9	3	Cerebrovascular diseases (I60–I69)	874	6.8	60.7
4	Cerebrovascular diseases (I60–I69)	275	5.9	10.1	4	Diabetes mellitus (E10–E14)	674	5.2	46.8
5	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	207	4.4	7.6	5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	382	3.0	26.5
6	Diabetes mellitus (E10–E14)	182	3.9	6.7	6	Chronic lower respiratory diseases (J40–J47)	341	2.6	23.7
7	Chronic liver disease and cirrhosis (K70,K73–K74)	130	2.8	4.8	7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	292	2.3	20.3
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	57	1.2	2.1	8	Influenza and pneumonia (J09–J18)	290	2.2	20.1
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	51	1.1	1.9	9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	196	1.5	13.6
10	Influenza and pneumonia (J09–J18)	50	1.1	1.8	10	Septicemia (A40–A41)	178	1.4	12.4
...	All other causes (residual)	795	17.0	29.1	...	All other causes (residual)	2,348	18.2	163.0
Non-Hispanic Asian or Pacific Islander, both sexes, 55–64 years					Non-Hispanic Asian or Pacific Islander, both sexes, 75–84 years				
...	All causes	8,502	100.0	389.5	...	All causes	17,530	100.0	2,583.9
1	Malignant neoplasms (C00–C97)	3,474	40.9	159.1	1	Malignant neoplasms (C00–C97)	4,454	25.4	656.5
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,670	19.6	76.5	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	3,890	22.2	573.4
3	Cerebrovascular diseases (I60–I69)	501	5.9	23.0	3	Cerebrovascular diseases (I60–I69)	1,450	8.3	213.7
4	Diabetes mellitus (E10–E14)	442	5.2	20.2	4	Diabetes mellitus (E10–E14)	886	5.1	130.6
5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	351	4.1	16.1	5	Chronic lower respiratory diseases (J40–J47)	688	3.9	101.4
6	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	166	2.0	7.6	6	Influenza and pneumonia (J09–J18)	579	3.3	85.3
7	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	157	1.8	7.2	7	Alzheimer disease (G30)	558	3.2	82.2
8	Chronic liver disease and cirrhosis (K70,K73–K74)	154	1.8	7.1	8	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	502	2.9	74.0
9	Influenza and pneumonia (J09–J18)	130	1.5	6.0	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	464	2.6	68.4
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	122	1.4	5.6	10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	373	2.1	55.0
...	All other causes (residual)	1,335	15.7	61.2	...	All other causes (residual)	3,686	21.0	543.3
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	53,411	100.0	2,237.2	...	All causes	22,988	100.0	8,567.8
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	12,528	23.5	524.7	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	5,928	25.8	2,209.4
2	Malignant neoplasms (C00–C97)	12,042	22.5	504.4	2	Malignant neoplasms (C00–C97)	2,980	13.0	1,110.7
3	Cerebrovascular diseases (I60–I69)	4,478	8.4	187.6	3	Cerebrovascular diseases (I60–I69)	2,154	9.4	802.8
4	Alzheimer disease (G30)	2,567	4.8	107.5	4	Alzheimer disease (G30)	1,916	8.3	714.1
5	Diabetes mellitus (E10–E14)	2,342	4.4	98.1	5	Influenza and pneumonia (J09–J18)	1,164	5.1	433.8
6	Influenza and pneumonia (J09–J18)	2,033	3.8	85.2	6	Chronic lower respiratory diseases (J40–J47)	855	3.7	318.7
7	Chronic lower respiratory diseases (J40–J47)	1,884	3.5	78.9	7	Diabetes mellitus (E10–E14)	782	3.4	291.5
8	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,420	2.7	59.5	8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	702	3.1	261.6
9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	1,275	2.4	53.4	9	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	536	2.3	199.8
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,271	2.4	53.2	10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	519	2.3	193.4
...	All other causes (residual)	11,571	21.7	484.7	...	All other causes (residual)	5,452	23.7	2,032.0

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Non-Hispanic Asian or Pacific Islander, male, all ages ⁴					Non-Hispanic Asian or Pacific Islander, male, 10–14 years				
...	All causes	37,236	100.0	386.2	...	All causes	62	100.0	10.1
1	Malignant neoplasms (C00–C97)	9,243	24.8	95.9	1	Malignant neoplasms (C00–C97)	16	25.8	*
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	8,418	22.6	87.3	2	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	11	17.7	*
3	Cerebrovascular diseases (I60–I69)	2,442	6.6	25.3	3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	8	12.9	*
4	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,074	5.6	21.5	4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	6	9.7	*
5	Diabetes mellitus (E10–E14)	1,612	4.3	16.7	5	Septicemia (A40–A41)	2	3.2	*
6	Chronic lower respiratory diseases (J40–J47)	1,198	3.2	12.4	5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	2	3.2	*
7	Influenza and pneumonia (J09–J18)	1,155	3.1	12.0	7	Meningococcal infection (A39)	1	1.6	*
8	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	990	2.7	10.3	7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	1	1.6	*
9	Alzheimer disease (G30)	790	2.1	8.2	7	Anemias (D50–D64)	1	1.6	*
10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	789	2.1	8.2	7	Meningitis (G00,G03)	1	1.6	*
...	All other causes (residual)	8,525	22.9	88.4	7	Diseases of heart (I00–I09,I11,I13,I20–I51)	1	1.6	*
Non-Hispanic Asian or Pacific Islander, male, 1–4 years					Non-Hispanic Asian or Pacific Islander, male, 15–19 years				
...	All causes	96	100.0	19.6	...	All causes	222	100.0	35.9
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	26	27.1	5.3	1	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	72	32.4	11.6
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	14	14.6	*	2	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	60	27.0	9.7
3	Malignant neoplasms (C00–C97)	13	13.5	*	3	Malignant neoplasms (C00–C97)	21	9.5	3.4
4	Influenza and pneumonia (J09–J18)	3	3.1	*	4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	15	6.8	*
5	Septicemia (A40–A41)	2	2.1	*	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	9	4.1	*
5	Meningitis (G00,G03)	2	2.1	*	6	Cerebrovascular diseases (I60–I69)	4	1.8	*
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	2	2.1	*	6	Influenza and pneumonia (J09–J18)	4	1.8	*
5	Cerebrovascular diseases (I60–I69)	2	2.1	*	8	Septicemia (A40–A41)	2	0.9	*
5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	2	2.1	*	8	Anemias (D50–D64)	2	0.9	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1	1.0	*	8	Aortic aneurysm and dissection (I71)	2	0.9	*
10	Certain conditions originating in the perinatal period (P00–P96)	1	1.0	*	8	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	2	0.9	*
...	All other causes (residual)	28	29.2	5.7	...	All other causes (residual)	29	13.1	4.7
Non-Hispanic Asian or Pacific Islander, male, 5–9 years									
...	All causes	52	100.0	8.6					
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	10	19.2	*					
2	Malignant neoplasms (C00–C97)	7	13.5	*					
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	6	11.5	*					
4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	5	9.6	*					
5	Influenza and pneumonia (J09–J18)	2	3.8	*					
6	Anemias (D50–D64)	1	1.9	*					
6	Diseases of heart (I00–I09,I11,I13,I20–I51)	1	1.9	*					
6	Acute bronchitis and bronchiolitis (J20–J21)	1	1.9	*					
6	Certain conditions originating in the perinatal period (P00–P96)	1	1.9	*					
...	All other causes (residual)	18	34.6	*					

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, 2017—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, 10th 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, 20-24 years					Non-Hispanic Asian or Pacific Islander, male, 45-54 years				
...	All causes	445	100.0	61.2	...	All causes	2,794	100.0	219.3
1	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	156	35.1	21.4	1	Malignant neoplasms (C00-C97)	796	28.5	62.5
2	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	143	32.1	19.7	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	620	22.2	48.7
3	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	33	7.4	4.5	3	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	252	9.0	19.8
4	Malignant neoplasms (C00-C97)	27	6.1	3.7	4	Cerebrovascular diseases (I60-I69)	154	5.5	12.1
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	13	2.9	*	5	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	138	4.9	10.8
6	Influenza and pneumonia (J09-J18)	7	1.6	*	6	Diabetes mellitus (E10-E14)	114	4.1	8.9
6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	7	1.6	*	7	Chronic liver disease and cirrhosis (K70,K73-K74)	106	3.8	8.3
8	Diabetes mellitus (E10-E14)	2	0.4	*	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	41	1.5	3.2
8	Cerebrovascular diseases (I60-I69)	2	0.4	*	9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	37	1.3	2.9
8	Pneumonitis due to solids and liquids (J69)	2	0.4	*	10	Influenza and pneumonia (J09-J18)	33	1.2	2.6
8	Legal intervention (Y35,Y89.0)	2	0.4	*	10	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	33	1.2	2.6
...	All other causes (residual)	51	11.5	7.0	...	All other causes (residual)	470	16.8	36.9
Non-Hispanic Asian or Pacific Islander, male, 25-34 years					Non-Hispanic Asian or Pacific Islander, male, 55-64 years				
...	All causes	1,013	100.0	60.0	...	All causes	5,031	100.0	506.3
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	349	34.5	20.7	1	Malignant neoplasms (C00-C97)	1,734	34.5	174.5
2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	225	22.2	13.3	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,207	24.0	121.5
3	Malignant neoplasms (C00-C97)	80	7.9	4.7	3	Cerebrovascular diseases (I60-I69)	299	5.9	30.1
4	Diseases of heart (I00-I09,I11,I13,I20-I51)	74	7.3	4.4	4	Diabetes mellitus (E10-E14)	287	5.7	28.9
5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	56	5.5	3.3	5	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	237	4.7	23.8
6	Cerebrovascular diseases (I60-I69)	20	2.0	1.2	6	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	116	2.3	11.7
7	Diabetes mellitus (E10-E14)	14	1.4	*	7	Chronic liver disease and cirrhosis (K70,K73-K74)	112	2.2	11.3
8	Chronic liver disease and cirrhosis (K70,K73-K74)	12	1.2	*	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	104	2.1	10.5
9	Aortic aneurysm and dissection (I71)	9	0.9	*	9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	80	1.6	8.1
9	Influenza and pneumonia (J09-J18)	9	0.9	*	10	Influenza and pneumonia (J09-J18)	74	1.5	7.4
...	All other causes (residual)	165	16.3	9.8	...	All other causes (residual)	781	15.5	78.6
Non-Hispanic Asian or Pacific Islander, male, 35-44 years									
...	All causes	1,374	100.0	92.4					
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	259	18.9	17.4					
2	Malignant neoplasms (C00-C97)	253	18.4	17.0					
3	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	242	17.6	16.3					
4	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	141	10.3	9.5					
5	Cerebrovascular diseases (I60-I69)	75	5.5	5.0					
6	Chronic liver disease and cirrhosis (K70,K73-K74)	49	3.6	3.3					
7	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	42	3.1	2.8					
8	Diabetes mellitus (E10-E14)	32	2.3	2.2					
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	19	1.4	*					
10	Influenza and pneumonia (J09-J18)	15	1.1	*					
...	All other causes (residual)	247	18.0	16.6					

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, 2017—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, 10th 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, 65 years and over					Non-Hispanic Asian or Pacific Islander, male, 85 years and over				
...	All causes	25,619	100.0	2,478.0	...	All causes	9,169	100.0	9,252.7
1	Malignant neoplasms (C00-C97)	6,296	24.6	609.0	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	2,389	26.1	2,410.8
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	6,222	24.3	601.8	2	Malignant neoplasms (C00-C97)	1,425	15.5	1,438.0
3	Cerebrovascular diseases (I60-I69)	1,885	7.4	182.3	3	Cerebrovascular diseases (I60-I69)	766	8.4	773.0
4	Diabetes mellitus (E10-E14)	1,163	4.5	112.5	4	Alzheimer disease (G30)	529	5.8	533.8
5	Chronic lower respiratory diseases (J40-J47)	1,102	4.3	106.6	5	Influenza and pneumonia (J09-J18)	507	5.5	511.6
6	Influenza and pneumonia (J09-J18)	1,001	3.9	96.8	6	Chronic lower respiratory diseases (J40-J47)	457	5.0	461.2
7	Alzheimer disease (G30)	783	3.1	75.7	7	Diabetes mellitus (E10-E14)	301	3.3	303.7
8	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	726	2.8	70.2	8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	245	2.7	247.2
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	626	2.4	60.5	9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	236	2.6	238.2
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	513	2.0	49.6	10	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	227	2.5	229.1
...	All other causes (residual)	5,302	20.7	512.8	...	All other causes (residual)	2,087	22.8	2,106.1
Non-Hispanic Asian or Pacific Islander, male, 65-74 years					Non-Hispanic Asian or Pacific Islander, female, all ages ⁴				
...	All causes	7,352	100.0	1,150.4	...	All causes	35,362	100.0	335.6
1	Malignant neoplasms (C00-C97)	2,475	33.7	387.3	1	Malignant neoplasms (C00-C97)	9,014	25.5	85.6
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	1,731	23.5	270.9	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	7,072	20.0	67.1
3	Cerebrovascular diseases (I60-I69)	455	6.2	71.2	3	Cerebrovascular diseases (I60-I69)	2,988	8.4	28.4
4	Diabetes mellitus (E10-E14)	393	5.3	61.5	4	Alzheimer disease (G30)	1,793	5.1	17.0
5	Chronic lower respiratory diseases (J40-J47)	235	3.2	36.8	5	Diabetes mellitus (E10-E14)	1,435	4.1	13.6
6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	224	3.0	35.1	6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,182	3.3	11.2
7	Influenza and pneumonia (J09-J18)	174	2.4	27.2	7	Influenza and pneumonia (J09-J18)	1,131	3.2	10.7
8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	172	2.3	26.9	8	Chronic lower respiratory diseases (J40-J47)	865	2.4	8.2
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	109	1.5	17.1	9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	818	2.3	7.8
10	Septicemia (A40-A41)	103	1.4	16.1	10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	745	2.1	7.1
...	All other causes (residual)	1,281	17.4	200.4	...	All other causes (residual)	8,319	23.5	79.0
Non-Hispanic Asian or Pacific Islander, male, 75-84 years									
...	All causes	9,098	100.0	3,076.9					
1	Malignant neoplasms (C00-C97)	2,396	26.3	810.3					
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	2,102	23.1	710.9					
3	Cerebrovascular diseases (I60-I69)	664	7.3	224.6					
4	Diabetes mellitus (E10-E14)	469	5.2	158.6					
5	Chronic lower respiratory diseases (J40-J47)	410	4.5	138.7					
6	Influenza and pneumonia (J09-J18)	320	3.5	108.2					
7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	275	3.0	93.0					
8	Alzheimer disease (G30)	219	2.4	74.1					
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	218	2.4	73.7					
10	Parkinson disease (G20-G21)	206	2.3	69.7					
...	All other causes (residual)	1,819	20.0	615.2					

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, 2017—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, female, 1-4 years					Non-Hispanic Asian or Pacific Islander, female, 15-19 years				
...	All causes	52	100.0	11.3	...	All causes	103	100.0	16.9
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	10	19.2	*	1	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	33	32.0	5.4
2	Malignant neoplasms	7	13.5	*	2	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	21	20.4	3.4
2	Congenital malformations, deformations and chromosomal abnormalities	7	13.5	*	3	Malignant neoplasms	13	12.6	*
4	Anemias	3	5.8	*	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	7	6.8	*
4	Influenza and pneumonia	3	5.8	*	5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	4	3.9	*
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	2	3.8	*	6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	1	1.0	*
6	Certain conditions originating in the perinatal period	2	3.8	*	6	Diabetes mellitus	1	1.0	*
6	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	2	3.8	*	6	Influenza and pneumonia	1	1.0	*
9	Septicemia	1	1.9	*	6	Pneumonitis due to solids and liquids (J69)	1	1.0	*
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	1	1.9	*	6	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1	1.0	*
9	Hernia	1	1.9	*	6	Pregnancy, childbirth and the puerperium	1	1.0	*
9	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1	1.9	*	6	Congenital malformations, deformations and chromosomal abnormalities	1	1.0	*
...	All other causes	12	23.1	*	6	Complications of medical and surgical care	1	1.0	*
Non-Hispanic Asian or Pacific Islander, female, 5-9 years					Non-Hispanic Asian or Pacific Islander, female, 20-24 years				
...	All causes	48	100.0	8.3	...	All causes	190	100.0	26.8
1	Malignant neoplasms	11	22.9	*	1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	59	31.1	8.3
2	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	10	20.8	*	2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	54	28.4	7.6
3	Congenital malformations, deformations and chromosomal abnormalities	6	12.5	*	3	Malignant neoplasms	18	9.5	*
4	Septicemia	3	6.3	*	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	8	4.2	*
5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	2	4.2	*	5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	7	3.7	*
6	Anemias	1	2.1	*	6	Influenza and pneumonia	3	1.6	*
6	Acute bronchitis and bronchiolitis ... (J20-J21)	1	2.1	*	6	Pregnancy, childbirth and the puerperium	3	1.6	*
6	Chronic lower respiratory diseases	1	2.1	*	8	Chronic lower respiratory diseases	2	1.1	*
...	All other causes	13	27.1	*	8	Congenital malformations, deformations and chromosomal abnormalities	2	1.1	*
Non-Hispanic Asian or Pacific Islander, female, 10-14 years					Non-Hispanic Asian or Pacific Islander, female, 25-29 years				
...	All causes	46	100.0	7.6	...	All causes	190	100.0	26.8
1	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	11	23.9	*	1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	59	31.1	8.3
2	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	9	19.6	*	2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	54	28.4	7.6
3	Malignant neoplasms	8	17.4	*	3	Malignant neoplasms	18	9.5	*
4	Congenital malformations, deformations and chromosomal abnormalities	3	6.5	*	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	8	4.2	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	2	4.3	*	5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	7	3.7	*
5	Cerebrovascular diseases	2	4.3	*	6	Influenza and pneumonia	3	1.6	*
7	Septicemia	1	2.2	*	6	Pregnancy, childbirth and the puerperium	3	1.6	*
7	Diabetes mellitus	1	2.2	*	8	Chronic lower respiratory diseases	2	1.1	*
7	Chronic lower respiratory diseases	1	2.2	*	8	Congenital malformations, deformations and chromosomal abnormalities	2	1.1	*
...	All other causes	8	17.4	*	10	Septicemia	1	0.5	*
Non-Hispanic Asian or Pacific Islander, female, 30-34 years					Non-Hispanic Asian or Pacific Islander, female, 35-39 years				
...	All causes	46	100.0	7.6	...	All causes	190	100.0	26.8
1	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	11	23.9	*	1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	59	31.1	8.3
2	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	9	19.6	*	2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	54	28.4	7.6
3	Malignant neoplasms	8	17.4	*	3	Malignant neoplasms	18	9.5	*
4	Congenital malformations, deformations and chromosomal abnormalities	3	6.5	*	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	8	4.2	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	2	4.3	*	5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	7	3.7	*
5	Cerebrovascular diseases	2	4.3	*	6	Influenza and pneumonia	3	1.6	*
7	Septicemia	1	2.2	*	6	Pregnancy, childbirth and the puerperium	3	1.6	*
7	Diabetes mellitus	1	2.2	*	8	Chronic lower respiratory diseases	2	1.1	*
7	Chronic lower respiratory diseases	1	2.2	*	8	Congenital malformations, deformations and chromosomal abnormalities	2	1.1	*
...	All other causes	8	17.4	*	10	Septicemia	1	0.5	*
Non-Hispanic Asian or Pacific Islander, female, 40-44 years					Non-Hispanic Asian or Pacific Islander, female, 45-49 years				
...	All causes	46	100.0	7.6	...	All causes	190	100.0	26.8
1	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	11	23.9	*	1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	59	31.1	8.3
2	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	9	19.6	*	2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	54	28.4	7.6
3	Malignant neoplasms	8	17.4	*	3	Malignant neoplasms	18	9.5	*
4	Congenital malformations, deformations and chromosomal abnormalities	3	6.5	*	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	8	4.2	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	2	4.3	*	5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	7	3.7	*
5	Cerebrovascular diseases	2	4.3	*	6	Influenza and pneumonia	3	1.6	*
7	Septicemia	1	2.2	*	6	Pregnancy, childbirth and the puerperium	3	1.6	*
7	Diabetes mellitus	1	2.2	*	8	Chronic lower respiratory diseases	2	1.1	*
7	Chronic lower respiratory diseases	1	2.2	*	8	Congenital malformations, deformations and chromosomal abnormalities	2	1.1	*
...	All other causes	8	17.4	*	10	Septicemia	1	0.5	*
Non-Hispanic Asian or Pacific Islander, female, 50-54 years					Non-Hispanic Asian or Pacific Islander, female, 55-59 years				
...	All causes	46	100.0	7.6	...	All causes	190	100.0	26.8
1	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	11	23.9	*	1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	59	31.1	8.3
2	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	9	19.6	*	2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	54	28.4	7.6
3	Malignant neoplasms	8	17.4	*	3	Malignant neoplasms	18	9.5	*
4	Congenital malformations, deformations and chromosomal abnormalities	3	6.5	*	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	8	4.2	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	2	4.3	*	5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	7	3.7	*
5	Cerebrovascular diseases	2	4.3	*	6	Influenza and pneumonia	3	1.6	*
7	Septicemia	1	2.2	*	6	Pregnancy, childbirth and the puerperium	3	1.6	*
7	Diabetes mellitus	1	2.2	*	8	Chronic lower respiratory diseases	2	1.1	*
7	Chronic lower respiratory diseases	1	2.2	*	8	Congenital malformations, deformations and chromosomal abnormalities	2	1.1	*
...	All other causes	8	17.4	*	10	Septicemia	1	0.5	*
Non-Hispanic Asian or Pacific Islander, female, 60-64 years					Non-Hispanic Asian or Pacific Islander, female, 65-69 years				
...	All causes	46	100.0	7.6	...	All causes	190	100.0	26.8
1	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	11	23.9	*	1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	59	31.1	8.3
2	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	9	19.6	*	2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	54	28.4	7.6
3	Malignant neoplasms	8	17.4	*	3	Malignant neoplasms	18	9.5	*
4	Congenital malformations, deformations and chromosomal abnormalities	3	6.5	*	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	8	4.2	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	2	4.3	*	5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	7	3.7	*
5	Cerebrovascular diseases	2	4.3	*	6	Influenza and pneumonia	3	1.6	*
7	Septicemia	1	2.2	*	6	Pregnancy, childbirth and the puerperium	3	1.6	*
7	Diabetes mellitus	1	2.2	*	8	Chronic lower respiratory diseases	2	1.1	*
7	Chronic lower respiratory diseases	1	2.2	*	8	Congenital malformations, deformations and chromosomal abnormalities	2	1.1	*
...	All other causes	8	17.4	*	10	Septicemia	1	0.5	*
Non-Hispanic Asian or Pacific Islander, female, 70-74 years					Non-Hispanic Asian or Pacific Islander, female, 75-79 years				
...	All causes	46	100.0	7.6	...	All causes	190	100.0	26.8
1	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	11	23.9	*	1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	59	31.1	8.3
2	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	9	19.6	*	2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	54	28.4	7.6
3	Malignant neoplasms	8	17.4	*	3	Malignant neoplasms	18	9.5	*
4	Congenital malformations, deformations and chromosomal abnormalities	3	6.5	*	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	8	4.2	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	2	4.3	*	5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	7	3.7	*
5	Cerebrovascular diseases	2	4.3	*	6	Influenza and pneumonia	3	1.6	*
7	Septicemia	1	2.2	*	6	Pregnancy, childbirth and the puerperium	3	1.6	*
7	Diabetes mellitus	1	2.2	*	8	Chronic lower respiratory diseases	2	1.1	*
7	Chronic lower respiratory diseases	1	2.2	*	8	Congenital malformations, deformations and chromosomal abnormalities	2	1.1	*
...	All other causes	8	17.4	*	10	Septicemia	1	0.5	*
Non-Hispanic Asian or Pacific Islander, female, 80-84 years					Non-Hispanic Asian or Pacific Islander, female, 85-89 years				
...	All causes	46	100.0	7.6	...	All causes	190	100.0	26.8
1	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	11	23.9	*	1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	59	31.1	8.3
2	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	9	19.6	*	2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	54	28.4	7.6
3	Malignant neoplasms	8	17.4	*	3	Malignant neoplasms	18	9.5	*
4	Congenital malformations, deformations and chromosomal abnormalities	3	6.5	*	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	8	4.2	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	2	4.3	*	5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	7	3.7	*
5	Cerebrovascular diseases	2	4.3	*	6	Influenza and pneumonia	3	1.6	*
7	Septicemia	1	2.2	*	6	Pregnancy, childbirth and the puerperium	3	1.6	*
7	Diabetes mellitus	1	2.2	*	8	Chronic lower respiratory diseases	2	1.1	*
7	Chronic lower respiratory diseases	1	2.2	*	8	Congenital malformations, deformations and chromosomal abnormalities	2	1.1	*
...	All other causes	8	17.4	*	10	Septicemia	1	0.5	*
Non-Hispanic Asian or Pacific Islander, female, 90-94 years					Non-Hispanic Asian or Pacific Islander, female, 95-99 years				
...	All causes	46	100.0	7.6	...	All causes	190	100.0	26.8
1	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	11	23.9	*	1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	59	31.1	8.3
2	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	9	19.6	*	2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	54	28.4	7.6
3	Malignant neoplasms	8	17.4	*	3	Malignant neoplasms	18	9.5	*
4	Congenital malformations, deformations and chromosomal abnormalities	3	6.5	*	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	8	4.2	*
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	2	4.3	*	5	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	7	3.7	*
5	Cerebrovascular diseases	2	4.3	*	6	Influenza and pneumonia	3	1.6	*
7	Septicemia	1	2.2	*	6	Pregnancy, childbirth and the puerperium			

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, 2017—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, 10th 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, 25–34 years					Non-Hispanic Asian or Pacific Islander, female, 45–54 years				
...	All causes	487	100.0	27.4	...	All causes	1,891	100.0	130.0
1	Malignant neoplasms	126	25.9	7.1	1	Malignant neoplasms	989	52.3	68.0
2	Accidents (unintentional injuries)	84	17.2	4.7	2	Diseases of heart	180	9.5	12.4
3	Intentional self-harm (suicide)	74	15.2	4.2	3	Cerebrovascular diseases	121	6.4	8.3
4	Assault (homicide)	25	5.1	1.4	4	Accidents (unintentional injuries)	101	5.3	6.9
5	Diseases of heart	24	4.9	1.3	5	Intentional self-harm (suicide)	69	3.6	4.7
6	Pregnancy, childbirth and the puerperium	18	3.7	*	6	Diabetes mellitus	68	3.6	4.7
7	Cerebrovascular diseases	14	2.9	*	7	Chronic liver disease and cirrhosis	24	1.3	1.7
8	Influenza and pneumonia	7	1.4	*	8	Septicemia	18	1.0	*
8	Chronic liver disease and cirrhosis	7	1.4	*	9	Influenza and pneumonia	17	0.9	*
10	Diabetes mellitus	5	1.0	*	10	Chronic lower respiratory diseases	16	0.8	*
10	Congenital malformations, deformations and chromosomal abnormalities	5	1.0	*	10	Nephritis, nephrotic syndrome and nephrosis	16	0.8	*
...	All other causes	98	20.1	5.5	...	All other causes	272	14.4	18.7
Non-Hispanic Asian or Pacific Islander, female, 35–44 years					Non-Hispanic Asian or Pacific Islander, female, 55–64 years				
...	All causes	853	100.0	50.6	...	All causes	3,471	100.0	291.9
1	Malignant neoplasms	352	41.3	20.9	1	Malignant neoplasms	1,740	50.1	146.3
2	Intentional self-harm (suicide)	71	8.3	4.2	2	Diseases of heart	463	13.3	38.9
3	Accidents (unintentional injuries)	68	8.0	4.0	3	Cerebrovascular diseases	202	5.8	17.0
4	Diseases of heart	64	7.5	3.8	4	Diabetes mellitus	155	4.5	13.0
5	Cerebrovascular diseases	53	6.2	3.1	5	Accidents (unintentional injuries)	114	3.3	9.6
6	Diabetes mellitus	25	2.9	1.5	6	Nephritis, nephrotic syndrome and nephrosis	62	1.8	5.2
7	Chronic liver disease and cirrhosis	19	2.2	*	7	Influenza and pneumonia	56	1.6	4.7
7	Assault (homicide)	19	2.2	*	8	Chronic lower respiratory diseases ..	51	1.5	4.3
9	Septicemia	15	1.8	*	9	Septicemia	46	1.3	3.9
10	Pregnancy, childbirth and the puerperium	13	1.5	*	10	Essential hypertension and hypertensive renal disease	42	1.2	3.5
...	All other causes	154	18.1	9.1	10	Chronic liver disease and cirrhosis	42	1.2	3.5
Non-Hispanic Asian or Pacific Islander, female, 65 years and over					Non-Hispanic Asian or Pacific Islander, female, 65 years and over				
...	All causes	27,792	100.0	2,053.2	...	All causes	27,792	100.0	2,053.2
1	Diseases of heart	6,306	22.7	465.9	1	Diseases of heart	6,306	22.7	465.9
2	Malignant neoplasms	5,746	20.7	424.5	2	Malignant neoplasms	5,746	20.7	424.5
3	Cerebrovascular diseases	2,593	9.3	191.6	3	Cerebrovascular diseases	2,593	9.3	191.6
4	Alzheimer disease	1,784	6.4	131.8	4	Alzheimer disease	1,784	6.4	131.8
5	Diabetes mellitus	1,179	4.2	87.1	5	Diabetes mellitus	1,179	4.2	87.1
6	Influenza and pneumonia	1,032	3.7	76.2	6	Influenza and pneumonia	1,032	3.7	76.2
7	Chronic lower respiratory diseases	782	2.8	57.8	7	Chronic lower respiratory diseases	782	2.8	57.8
8	Essential hypertension and hypertensive renal disease	758	2.7	56.0	8	Essential hypertension and hypertensive renal disease	758	2.7	56.0
9	Accidents (unintentional injuries)	694	2.5	51.3	9	Accidents (unintentional injuries)	694	2.5	51.3
10	Nephritis, nephrotic syndrome and nephrosis	649	2.3	47.9	10	Nephritis, nephrotic syndrome and nephrosis	649	2.3	47.9
...	All other causes	6,269	22.6	463.1	...	All other causes	6,269	22.6	463.1

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, 2017—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, female, 65–74 years					Hispanic, both sexes, all ages ⁴				
...	All causes	5,541	100.0	691.2	...	All causes	197,249	100.0	334.6
1	Malignant neoplasms (C00–C97)	2,133	38.5	266.1	1	Malignant neoplasms (C00–C97)	40,550	20.6	68.8
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	979	17.7	122.1	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	39,402	20.0	66.8
3	Cerebrovascular diseases (I60–I69)	419	7.6	52.3	3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	16,757	8.5	28.4
4	Diabetes mellitus (E10–E14)	281	5.1	35.1	4	Cerebrovascular diseases (I60–I69)	10,775	5.5	18.3
5	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	158	2.9	19.7	5	Diabetes mellitus (E10–E14)	9,216	4.7	15.6
6	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	120	2.2	15.0	6	Alzheimer disease (G30)	7,383	3.7	12.5
7	Influenza and pneumonia (J09–J18)	116	2.1	14.5	7	Chronic liver disease and cirrhosis (K70,K73–K74)	6,286	3.2	10.7
8	Chronic lower respiratory diseases (J40–J47)	106	1.9	13.2	8	Chronic lower respiratory diseases (J40–J47)	5,599	2.8	9.5
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	87	1.6	10.9	9	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	3,933	2.0	6.7
10	Septicemia (A40–A41)	75	1.4	9.4	10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	3,928	2.0	6.7
...	All other causes (residual)	1,067	19.3	133.1	...	All other causes (residual)	53,420	27.1	90.6
Non-Hispanic Asian or Pacific Islander, female, 75–84 years					Hispanic, both sexes, 1–4 years				
...	All causes	8,432	100.0	2,203.0	...	All causes	805	100.0	19.4
1	Malignant neoplasms (C00–C97)	2,058	24.4	537.7	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	234	29.1	5.6
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,788	21.2	467.1	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	112	13.9	2.7
3	Cerebrovascular diseases (I60–I69)	786	9.3	205.4	3	Malignant neoplasms (C00–C97)	92	11.4	2.2
4	Diabetes mellitus (E10–E14)	417	4.9	108.9	4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	50	6.2	1.2
5	Alzheimer disease (G30)	339	4.0	88.6	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	26	3.2	0.6
6	Chronic lower respiratory diseases (J40–J47)	278	3.3	72.6	6	Influenza and pneumonia (J09–J18)	24	3.0	0.6
7	Influenza and pneumonia (J09–J18)	259	3.1	67.7	7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	14	1.7	*
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	246	2.9	64.3	8	Cerebrovascular diseases (I60–I69)	12	1.5	*
9	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	227	2.7	59.3	9	Septicemia (A40–A41)	11	1.4	*
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	214	2.5	55.9	9	Certain conditions originating in the perinatal period (P00–P96)	11	1.4	*
...	All other causes (residual)	1,820	21.6	475.5	...	All other causes (residual)	219	27.2	5.3
Non-Hispanic Asian or Pacific Islander, female, 85 years and over					Hispanic, both sexes, 5–9 years				
...	All causes	13,819	100.0	8,166.7	...	All causes	521	100.0	9.9
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	3,539	25.6	2,091.5	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	148	28.4	2.8
2	Malignant neoplasms (C00–C97)	1,555	11.3	919.0	2	Malignant neoplasms (C00–C97)	100	19.2	1.9
3	Cerebrovascular diseases (I60–I69)	1,388	10.0	820.3	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	45	8.6	0.9
4	Alzheimer disease (G30)	1,387	10.0	819.7	4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	26	5.0	0.5
5	Influenza and pneumonia (J09–J18)	657	4.8	388.3	5	Diseases of heart (I00–I09,I11,I13,I20–I51)	21	4.0	0.4
6	Diabetes mellitus (E10–E14)	481	3.5	284.3	6	Septicemia (A40–A41)	15	2.9	*
7	Essential hypertension and hypertensive renal disease (I10,I12,I15)	457	3.3	270.1	7	Influenza and pneumonia (J09–J18)	13	2.5	*
8	Chronic lower respiratory diseases (J40–J47)	398	2.9	235.2	8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	8	1.5	*
9	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	309	2.2	182.6	8	Cerebrovascular diseases (I60–I69)	8	1.5	*
10	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	283	2.0	167.2	10	Chronic lower respiratory diseases (J40–J47)	6	1.2	*
...	All other causes (residual)	3,365	24.4	1,988.6	...	All other causes (residual)	131	25.1	2.5

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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}
Hispanic, both sexes, 10–14 years					Hispanic, both sexes, 25–34 years				
...	All causes	644	100.0	12.5	...	All causes	8,492	100.0	91.1
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	154	23.9	3.0	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	3,379	39.8	36.3
2	Malignant neoplasms	122	18.9	2.4	2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	964	11.4	10.3
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	90	14.0	1.7	3	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	909	10.7	9.8
4	Congenital malformations, deformations and chromosomal abnormalities	36	5.6	0.7	4	Malignant neoplasms	728	8.6	7.8
5	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	34	5.3	0.7	5	Diseases of heart	495	5.8	5.3
6	Diseases of heart	17	2.6	*	6	Chronic liver disease and cirrhosis	173	2.0	1.9
7	Cerebrovascular diseases	16	2.5	*	7	Cerebrovascular diseases	125	1.5	1.3
8	Chronic lower respiratory diseases	13	2.0	*	8	Diabetes mellitus	113	1.3	1.2
9	Influenza and pneumonia	8	1.2	*	9	Human immunodeficiency virus (HIV) disease	84	1.0	0.9
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	6	0.9	*	10	Pregnancy, childbirth and the puerperium	80	0.9	0.9
...	All other causes	148	23.0	2.9	...	All other causes	1,442	17.0	15.5
Hispanic, both sexes, 15–19 years					Hispanic, both sexes, 35–44 years				
...	All causes	2,175	100.0	44.4	...	All causes	10,738	100.0	126.7
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	818	37.6	16.7	1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	2,904	27.0	34.3
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	422	19.4	8.6	2	Malignant neoplasms	1,777	16.5	21.0
3	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	381	17.5	7.8	3	Diseases of heart	1,165	10.8	13.8
4	Malignant neoplasms	152	7.0	3.1	4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	704	6.6	8.3
5	Diseases of heart	44	2.0	0.9	5	Chronic liver disease and cirrhosis	627	5.8	7.4
6	Congenital malformations, deformations and chromosomal abnormalities	35	1.6	0.7	6	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	580	5.4	6.8
7	Cerebrovascular diseases	17	0.8	*	7	Cerebrovascular diseases	351	3.3	4.1
8	Influenza and pneumonia	16	0.7	*	8	Diabetes mellitus	280	2.6	3.3
9	Legal intervention	13	0.6	*	9	Human immunodeficiency virus (HIV) disease	145	1.4	1.7
10	Chronic lower respiratory diseases	12	0.6	*	10	Septicemia	124	1.2	1.5
...	All other causes	265	12.2	5.4	...	All other causes	2,081	19.4	24.6
Hispanic, both sexes, 20–24 years					Hispanic, both sexes, 45–54 years				
...	All causes	3,679	100.0	76.1	...	All causes	18,409	100.0	267.0
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,668	45.3	34.5	1	Malignant neoplasms	4,409	24.0	63.9
2	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	590	16.0	12.2	2	Diseases of heart	2,951	16.0	42.8
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	558	15.2	11.5	3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	2,643	14.4	38.3
4	Malignant neoplasms	219	6.0	4.5	4	Chronic liver disease and cirrhosis	1,465	8.0	21.2
5	Diseases of heart	87	2.4	1.8	5	Diabetes mellitus	934	5.1	13.5
6	Congenital malformations, deformations and chromosomal abnormalities	36	1.0	0.7	6	Cerebrovascular diseases	733	4.0	10.6
7	Pregnancy, childbirth and the puerperium	26	0.7	0.5	7	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	582	3.2	8.4
8	Cerebrovascular diseases	24	0.7	0.5	8	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	318	1.7	4.6
9	Diabetes mellitus	19	0.5	*	9	Nephritis, nephrotic syndrome and nephrosis	293	1.6	4.2
10	Chronic lower respiratory diseases	18	0.5	*	10	Septicemia	275	1.5	4.0
...	All other causes	434	11.8	9.0	...	All other causes	3,806	20.7	55.2

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, 2017—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, 10th 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, 55–64 years					Hispanic, both sexes, 75–84 years				
...	All causes	28,533	100.0	606.8	...	All causes	39,830	100.0	3,379.7
1	Malignant neoplasms (C00–C97)	8,253	28.9	175.5	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	9,379	23.5	795.8
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	5,583	19.6	118.7	2	Malignant neoplasms (C00–C97)	9,096	22.8	771.8
3	Chronic liver disease and cirrhosis (K70,K73–K74)	1,897	6.6	40.3	3	Cerebrovascular diseases (I60–I69)	2,757	6.9	233.9
4	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,784	6.3	37.9	4	Diabetes mellitus (E10–E14)	2,312	5.8	196.2
5	Diabetes mellitus (E10–E14)	1,742	6.1	37.0	5	Alzheimer disease (G30)	2,008	5.0	170.4
6	Cerebrovascular diseases (I60–I69)	1,311	4.6	27.9	6	Chronic lower respiratory diseases (J40–J47)	1,686	4.2	143.1
7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	598	2.1	12.7	7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	1,008	2.5	85.5
8	Chronic lower respiratory diseases (J40–J47)	546	1.9	11.6	8	Influenza and pneumonia (J09–J18)	959	2.4	81.4
9	Septicemia (A40–A41)	465	1.6	9.9	9	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	911	2.3	77.3
10	Influenza and pneumonia (J09–J18)	435	1.5	9.3	10	Parkinson disease (G20–G21)	755	1.9	64.1
...	All other causes (residual)	5,919	20.7	125.9	...	All other causes (residual)	8,959	22.5	760.2
Hispanic, both sexes, 65 years and over					Hispanic, both sexes, 85 years and over				
...	All causes	118,434	100.0	2,817.1	...	All causes	45,236	100.0	9,504.4
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	28,956	24.4	688.8	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	12,430	27.5	2,611.6
2	Malignant neoplasms (C00–C97)	24,681	20.8	587.1	2	Malignant neoplasms (C00–C97)	5,634	12.5	1,183.7
3	Cerebrovascular diseases (I60–I69)	8,166	6.9	194.2	3	Alzheimer disease (G30)	4,778	10.6	1,003.9
4	Alzheimer disease (G30)	7,266	6.1	172.8	4	Cerebrovascular diseases (I60–I69)	3,695	8.2	776.3
5	Diabetes mellitus (E10–E14)	6,112	5.2	145.4	5	Chronic lower respiratory diseases (J40–J47)	1,991	4.4	418.3
6	Chronic lower respiratory diseases (J40–J47)	4,711	4.0	112.1	6	Diabetes mellitus (E10–E14)	1,537	3.4	322.9
7	Influenza and pneumonia (J09–J18)	2,889	2.4	68.7	7	Influenza and pneumonia (J09–J18)	1,295	2.9	272.1
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	2,872	2.4	68.3	8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	991	2.2	208.2
9	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	2,818	2.4	67.0	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	965	2.1	202.8
10	Essential hypertension and hypertensive renal disease (I10,I12,I15)	2,162	1.8	51.4	10	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	918	2.0	192.9
...	All other causes (residual)	27,801	23.5	661.3	...	All other causes (residual)	11,002	24.3	2,311.6
Hispanic, both sexes, 65–74 years					Hispanic, male, all ages ⁴				
...	All causes	33,368	100.0	1,308.7	...	All causes	108,579	100.0	364.6
1	Malignant neoplasms (C00–C97)	9,951	29.8	390.3	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	22,009	20.3	73.9
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	7,147	21.4	280.3	2	Malignant neoplasms (C00–C97)	21,034	19.4	70.6
3	Diabetes mellitus (E10–E14)	2,263	6.8	88.8	3	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	12,455	11.5	41.8
4	Cerebrovascular diseases (I60–I69)	1,714	5.1	67.2	4	Cerebrovascular diseases (I60–I69)	5,073	4.7	17.0
5	Chronic liver disease and cirrhosis (K70,K73–K74)	1,249	3.7	49.0	5	Diabetes mellitus (E10–E14)	5,054	4.7	17.0
6	Chronic lower respiratory diseases (J40–J47)	1,034	3.1	40.6	6	Chronic liver disease and cirrhosis (K70,K73–K74)	4,369	4.0	14.7
7	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	989	3.0	38.8	7	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	3,175	2.9	10.7
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	899	2.7	35.3	8	Chronic lower respiratory diseases (J40–J47)	2,759	2.5	9.3
9	Influenza and pneumonia (J09–J18)	635	1.9	24.9	9	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	2,588	2.4	8.7
10	Septicemia (A40–A41)	583	1.7	22.9	10	Alzheimer disease (G30)	2,297	2.1	7.7
...	All other causes (residual)	6,904	20.7	270.8	...	All other causes (residual)	27,766	25.6	93.2

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, 2017—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}
Hispanic, male, 1-4 years					Hispanic, male, 15-19 years				
...	All causes	455	100.0	21.5	...	All causes	1,547	100.0	61.8
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	143	31.4	6.8	1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	579	37.4	23.1
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	55	12.1	2.6	2	Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1)	319	20.6	12.7
3	Malignant neoplasms .....(C00-C97)	50	11.0	2.4	3	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	312	20.2	12.5
4	Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1)	30	6.6	1.4	4	Malignant neoplasms .....(C00-C97)	90	5.8	3.6
5	Influenza and pneumonia (J09-J18)	15	3.3	*	5	Diseases of heart (I00-I09,I11,I13,I20-I51)	32	2.1	1.3
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	14	3.1	*	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	19	1.2	*
7	Cerebrovascular diseases (I60-I69)	9	2.0	*	7	Legal intervention .....(Y35,Y89.0)	12	0.8	*
8	Septicemia .....(A40-A41)	7	1.5	*	7	Cerebrovascular diseases (I60-I69)	9	0.6	*
8	Certain conditions originating in the perinatal period .....(P00-P96)	7	1.5	*	8	Chronic lower respiratory diseases .....(J40-J47)	8	0.5	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior .....(D00-D48)	6	1.3	*	10	Diabetes mellitus .....(E10-E14)	7	0.5	*
...	All other causes .....(residual)	119	26.2	5.6	...	All other causes .....(residual)	160	10.3	6.4
Hispanic, male, 5-9 years					Hispanic, male, 20-24 years				
...	All causes	282	100.0	10.5	...	All causes	2,840	100.0	113.7
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	80	28.4	3.0	1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	1,311	46.2	52.5
2	Malignant neoplasms .....(C00-C97)	42	14.9	1.6	2	Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1)	520	18.3	20.8
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	27	9.6	1.0	3	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	468	16.5	18.7
4	Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1)	16	5.7	*	4	Malignant neoplasms .....(C00-C97)	142	5.0	5.7
5	Diseases of heart (I00-I09,I11,I13,I20-I51)	14	5.0	*	5	Diseases of heart (I00-I09,I11,I13,I20-I51)	67	2.4	2.7
6	Septicemia .....(A40-A41)	7	2.5	*	6	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	21	0.7	0.8
7	Influenza and pneumonia (J09-J18)	6	2.1	*	7	Cerebrovascular diseases (I60-I69)	17	0.6	*
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior .....(D00-D48)	5	1.8	*	8	Legal intervention .....(Y35,Y89.0)	13	0.5	*
9	Cerebrovascular diseases (I60-I69)	3	1.1	*	9	Diabetes mellitus .....(E10-E14)	12	0.4	*
9	Nephritis, nephrotic syndrome and nephrosis ....(N00-N07,N17-N19,N25-N27)	3	1.1	*	10	Septicemia .....(A40-A41)	11	0.4	*
...	All other causes .....(residual)	79	28.0	2.9	10	Influenza and pneumonia (J09-J18)	11	0.4	*
Hispanic, male, 10-14 years					Hispanic, male, 25-34 years				
...	All causes	395	100.0	15.0	...	All causes	6,309	100.0	129.0
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	101	25.6	3.8	1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	2,727	43.2	55.8
2	Malignant neoplasms .....(C00-C97)	71	18.0	2.7	2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	796	12.6	16.3
3	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	60	15.2	2.3	3	Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1)	759	12.0	15.5
4	Assault (homicide).... (*U01-*U02,X85-Y09,Y87.1)	22	5.6	0.8	4	Diseases of heart (I00-I09,I11,I13,I20-I51)	382	6.1	7.8
5	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	20	5.1	0.8	5	Malignant neoplasms .....(C00-C97)	351	5.6	7.2
6	Diseases of heart (I00-I09,I11,I13,I20-I51)	12	3.0	*	6	Chronic liver disease and cirrhosis .....(K70,K73-K74)	121	1.9	2.5
7	Chronic lower respiratory diseases .....(J40-J47)	8	2.0	*	7	Cerebrovascular diseases (I60-I69)	75	1.2	1.5
8	Cerebrovascular diseases (I60-I69)	7	1.8	*	8	Human immunodeficiency virus (HIV) disease .....(B20-B24)	70	1.1	1.4
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior .....(D00-D48)	4	1.0	*	9	Diabetes mellitus .....(E10-E14)	69	1.1	1.4
9	Influenza and pneumonia (J09-J18)	4	1.0	*	10	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	46	0.7	0.9
...	All other causes .....(residual)	86	21.8	3.3	...	All other causes .....(residual)	913	14.5	18.7

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, 2017—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}
Hispanic, male, 35-44 years					Hispanic, male, 65 years and over				
...	All causes	7,358	100.0	169.2	...	All causes	56,631	100.0	3,105.5
1	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	2,335	31.7	53.7	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	14,426	25.5	791.1
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	856	11.6	19.7	2	Malignant neoplasms (C00-C97)	12,933	22.8	709.2
3	Malignant neoplasms (C00-C97)	748	10.2	17.2	3	Cerebrovascular diseases (I60-I69)	3,421	6.0	187.6
4	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	569	7.7	13.1	4	Diabetes mellitus (E10-E14)	3,129	5.5	171.6
5	Chronic liver disease and cirrhosis (K70,K73-K74)	465	6.3	10.7	5	Chronic lower respiratory diseases (J40-J47)	2,300	4.1	126.1
6	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	463	6.3	10.6	6	Alzheimer disease (G30)	2,250	4.0	123.4
7	Cerebrovascular diseases (I60-I69)	241	3.3	5.5	7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,589	2.8	87.1
8	Diabetes mellitus (E10-E14)	187	2.5	4.3	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,369	2.4	75.1
9	Human immunodeficiency virus (HIV) disease (B20-B24)	117	1.6	2.7	9	Influenza and pneumonia (J09-J18)	1,352	2.4	74.1
10	Septicemia (A40-A41)	75	1.0	1.7	10	Chronic liver disease and cirrhosis (K70,K73-K74)	1,233	2.2	67.6
...	All other causes (residual)	1,302	17.7	29.9	...	All other causes (residual)	12,629	22.3	692.5
Hispanic, male, 45-54 years					Hispanic, male, 65-74 years				
...	All causes	12,145	100.0	349.4	...	All causes	19,032	100.0	1,639.9
1	Diseases of heart (I00-I09,I11,I13,I20-I51)	2,182	18.0	62.8	1	Malignant neoplasms (C00-C97)	5,371	28.2	462.8
2	Malignant neoplasms (C00-C97)	2,165	17.8	62.3	2	Diseases of heart (I00-I09,I11,I13,I20-I51)	4,515	23.7	389.0
3	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	2,109	17.4	60.7	3	Diabetes mellitus (E10-E14)	1,301	6.8	112.1
4	Chronic liver disease and cirrhosis (K70,K73-K74)	1,123	9.2	32.3	4	Cerebrovascular diseases (I60-I69)	930	4.9	80.1
5	Diabetes mellitus (E10-E14)	606	5.0	17.4	5	Chronic liver disease and cirrhosis (K70,K73-K74)	794	4.2	68.4
6	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	456	3.8	13.1	6	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	666	3.5	57.4
7	Cerebrovascular diseases (I60-I69)	455	3.7	13.1	7	Chronic lower respiratory diseases (J40-J47)	560	2.9	48.3
8	Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)	246	2.0	7.1	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	472	2.5	40.7
9	Human immunodeficiency virus (HIV) disease (B20-B24)	184	1.5	5.3	9	Influenza and pneumonia (J09-J18)	357	1.9	30.8
10	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	180	1.5	5.2	10	Septicemia (A40-A41)	302	1.6	26.0
...	All other causes (residual)	2,439	20.1	70.2	...	All other causes (residual)	3,764	19.8	324.3
Hispanic, male, 55-64 years					Hispanic, male, 75-84 years				
...	All causes	17,974	100.0	787.4	...	All causes	20,011	100.0	4,086.8
1	Malignant neoplasms (C00-C97)	4,436	24.7	194.3	1	Diseases of heart (I00-I09,I11,I13,I20-I51)	4,992	24.9	1,019.5
2	Diseases of heart (I00-I09,I11,I13,I20-I51)	3,991	22.2	174.8	2	Malignant neoplasms (C00-C97)	4,857	24.3	991.9
3	Chronic liver disease and cirrhosis (K70,K73-K74)	1,421	7.9	62.3	3	Cerebrovascular diseases (I60-I69)	1,262	6.3	257.7
4	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,366	7.6	59.8	4	Diabetes mellitus (E10-E14)	1,178	5.9	240.6
5	Diabetes mellitus (E10-E14)	1,038	5.8	45.5	5	Chronic lower respiratory diseases (J40-J47)	880	4.4	179.7
6	Cerebrovascular diseases (I60-I69)	831	4.6	36.4	6	Alzheimer disease (G30)	705	3.5	144.0
7	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	338	1.9	14.8	7	Accidents (unintentional injuries) (V01-X59,Y85-Y86)	527	2.6	107.6
8	Chronic lower respiratory diseases (J40-J47)	283	1.6	12.4	8	Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	480	2.4	98.0
9	Septicemia (A40-A41)	272	1.5	11.9	9	Influenza and pneumonia (J09-J18)	474	2.4	96.8
10	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)	270	1.5	11.8	10	Parkinson disease (G20-G21)	446	2.2	91.1
...	All other causes (residual)	3,728	20.7	163.3	...	All other causes (residual)	4,210	21.0	859.8

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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}
Hispanic, male, 85 years and over					Hispanic, female, 5–9 years				
...	All causes	17,588	100.0	10,147.1	...	All causes	239	100.0	9.3
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	4,919	28.0	2,837.9	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	68	28.5	2.6
2	Malignant neoplasms (C00–C97)	2,705	15.4	1,560.6	2	Malignant neoplasms (C00–C97)	58	24.3	2.2
3	Alzheimer disease (G30)	1,344	7.6	775.4	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	18	7.5	*
4	Cerebrovascular diseases (I60–I69)	1,229	7.0	709.1	4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	10	4.2	*
5	Chronic lower respiratory diseases (J40–J47)	860	4.9	496.2	5	Septicemia (A40–A41)	8	3.3	*
6	Diabetes mellitus (E10–E14)	650	3.7	375.0	6	Diseases of heart (I00–I09,I11,I13,I20–I51)	7	2.9	*
7	Influenza and pneumonia (J09–J18)	521	3.0	300.6	6	Influenza and pneumonia (J09–J18)	7	2.9	*
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	417	2.4	240.6	8	Cerebrovascular diseases (I60–I69)	5	2.1	*
9	Parkinson disease (G20–G21)	397	2.3	229.0	9	Chronic lower respiratory diseases (J40–J47)	4	1.7	*
10	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	396	2.3	228.5	10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	3	1.3	*
...	All other causes (residual)	4,150	23.6	2,394.3	...	All other causes (residual)	51	21.3	2.0
Hispanic, female, all ages ⁴					Hispanic, female, 10–14 years				
...	All causes	88,670	100.0	304.0	...	All causes	249	100.0	9.8
1	Malignant neoplasms (C00–C97)	19,516	22.0	66.9	1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	53	21.3	2.1
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	17,393	19.6	59.6	2	Malignant neoplasms (C00–C97)	51	20.5	2.0
3	Cerebrovascular diseases (I60–I69)	5,702	6.4	19.5	3	Intentional self-harm (suicide) (*U03,X60–X84,Y87.0)	30	12.0	1.2
4	Alzheimer disease (G30)	5,086	5.7	17.4	4	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	16	6.4	*
5	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	4,302	4.9	14.7	5	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	12	4.8	*
6	Diabetes mellitus (E10–E14)	4,162	4.7	14.3	6	Cerebrovascular diseases (I60–I69)	9	3.6	*
7	Chronic lower respiratory diseases (J40–J47)	2,840	3.2	9.7	7	Diseases of heart (I00–I09,I11,I13,I20–I51)	5	2.0	*
8	Influenza and pneumonia (J09–J18)	1,940	2.2	6.7	7	Chronic lower respiratory diseases (J40–J47)	5	2.0	*
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	1,940	2.2	6.7	9	Influenza and pneumonia (J09–J18)	4	1.6	*
10	Chronic liver disease and cirrhosis (K70,K73–K74)	1,917	2.2	6.6	10	Septicemia (A40–A41)	2	0.8	*
...	All other causes (residual)	23,872	26.9	81.8	10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	2	0.8	*
Hispanic, female, 1–4 years					...	All other causes (residual)	60	24.1	2.4
...	All causes	350	100.0	17.2	...	All other causes (residual)	60	24.1	2.4
1	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	91	26.0	4.5	...	All other causes (residual)	60	24.1	2.4
2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	57	16.3	2.8	...	All other causes (residual)	60	24.1	2.4
3	Malignant neoplasms (C00–C97)	42	12.0	2.1	...	All other causes (residual)	60	24.1	2.4
4	Assault (homicide) (*U01–*U02,X85–Y09,Y87.1)	20	5.7	1.0	...	All other causes (residual)	60	24.1	2.4
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	12	3.4	*	...	All other causes (residual)	60	24.1	2.4
6	Influenza and pneumonia (J09–J18)	9	2.6	*	...	All other causes (residual)	60	24.1	2.4
7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	8	2.3	*	...	All other causes (residual)	60	24.1	2.4
8	Septicemia (A40–A41)	4	1.1	*	...	All other causes (residual)	60	24.1	2.4
8	Certain conditions originating in the perinatal period (P00–P96)	4	1.1	*	...	All other causes (residual)	60	24.1	2.4
10	Cerebrovascular diseases (I60–I69)	3	0.9	*	...	All other causes (residual)	60	24.1	2.4
...	All other causes (residual)	100	28.6	4.9	...	All other causes (residual)	60	24.1	2.4

Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2017—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, 10th 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, 15–19 years					Hispanic, female, 35–44 years				
...	All causes	628	100.0	26.2	...	All causes	3,380	100.0	81.9
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	239	38.1	10.0	1	Malignant neoplasms .....(C00–C97)	1,029	30.4	24.9
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	110	17.5	4.6	2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	569	16.8	13.8
3	Malignant neoplasms .....(C00–C97)	62	9.9	2.6	3	Diseases of heart (I00–I09,I11,I13,I20–I51)	309	9.1	7.5
3	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	62	9.9	2.6	4	Chronic liver disease and cirrhosis.....(K70,K73–K74)	162	4.8	3.9
5	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	16	2.5	*	5	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	135	4.0	3.3
6	Diseases of heart (I00–I09,I11,I13,I20–I51)	12	1.9	*	6	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	117	3.5	2.8
7	Influenza and pneumonia (J09–J18)	11	1.8	*	7	Cerebrovascular diseases (I60–I69)	110	3.3	2.7
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00–D48)	8	1.3	*	8	Diabetes mellitus (E10–E14)	93	2.8	2.3
8	Cerebrovascular diseases (I60–I69)	8	1.3	*	9	Pregnancy, childbirth and the puerperium (O00–O99)	56	1.7	1.4
8	Pregnancy, childbirth and the puerperium (O00–O99)	8	1.3	*	10	Septicemia .....(A40–A41)	49	1.4	1.2
...	All other causes (residual)	92	14.6	3.8	...	All other causes (residual)	751	22.2	18.2
Hispanic, female, 20–24 years					Hispanic, female, 45–54 years				
...	All causes	839	100.0	35.9	...	All causes	6,264	100.0	183.2
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	357	42.6	15.3	1	Malignant neoplasms .....(C00–C97)	2,244	35.8	65.6
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	90	10.7	3.8	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	769	12.3	22.5
3	Malignant neoplasms .....(C00–C97)	77	9.2	3.3	3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	534	8.5	15.6
4	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	70	8.3	3.0	4	Chronic liver disease and cirrhosis.....(K70,K73–K74)	342	5.5	10.0
5	Pregnancy, childbirth and the puerperium (O00–O99)	26	3.1	1.1	5	Diabetes mellitus .....(E10–E14)	328	5.2	9.6
6	Diseases of heart (I00–I09,I11,I13,I20–I51)	20	2.4	0.9	6	Cerebrovascular diseases (I60–I69)	278	4.4	8.1
7	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	15	1.8	*	7	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	126	2.0	3.7
8	Chronic lower respiratory diseases .....(J40–J47)	10	1.2	*	8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	113	1.8	3.3
9	Diabetes mellitus (E10–E14)	7	0.8	*	9	Influenza and pneumonia (J09–J18)	110	1.8	3.2
9	Cerebrovascular diseases (I60–I69)	7	0.8	*	10	Septicemia .....(A40–A41)	109	1.7	3.2
...	All other causes (residual)	160	19.1	6.8	...	All other causes (residual)	1,311	20.9	38.3
Hispanic, female, 25–34 years					Hispanic, female, 55–64 years				
...	All causes	2,183	100.0	49.3	...	All causes	10,559	100.0	436.4
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	652	29.9	14.7	1	Malignant neoplasms .....(C00–C97)	3,817	36.1	157.8
2	Malignant neoplasms .....(C00–C97)	377	17.3	8.5	2	Diseases of heart (I00–I09,I11,I13,I20–I51)	1,592	15.1	65.8
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	168	7.7	3.8	3	Diabetes mellitus .....(E10–E14)	704	6.7	29.1
4	Assault (homicide).... (*U01–*U02,X85–Y09,Y87.1)	150	6.9	3.4	4	Cerebrovascular diseases (I60–I69)	480	4.5	19.8
5	Diseases of heart (I00–I09,I11,I13,I20–I51)	113	5.2	2.6	5	Chronic liver disease and cirrhosis.....(K70,K73–K74)	476	4.5	19.7
6	Pregnancy, childbirth and the puerperium (O00–O99)	80	3.7	1.8	6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	418	4.0	17.3
7	Chronic liver disease and cirrhosis.....(K70,K73–K74)	52	2.4	1.2	7	Chronic lower respiratory diseases .....(J40–J47)	263	2.5	10.9
8	Cerebrovascular diseases (I60–I69)	50	2.3	1.1	8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	260	2.5	10.7
9	Diabetes mellitus .....(E10–E14)	44	2.0	1.0	9	Septicemia .....(A40–A41)	193	1.8	8.0
10	Septicemia .....(A40–A41)	24	1.1	0.5	10	Influenza and pneumonia (J09–J18)	184	1.7	7.6
...	All other causes (residual)	473	21.7	10.7	...	All other causes (residual)	2,172	20.6	89.8

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, 2017—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, 10th 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, 65 years and over					Hispanic, female, 75–84 years				
...	All causes	61,803	100.0	2,596.2	...	All causes	19,819	100.0	2,877.0
1	Diseases of heart (I00–I09,I11,I13,I20–I51)	14,530	23.5	610.4	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	4,387	22.1	636.8
2	Malignant neoplasms (C00–C97)	11,748	19.0	493.5	2	Malignant neoplasms (C00–C97)	4,239	21.4	615.4
3	Alzheimer disease (G30)	5,016	8.1	210.7	3	Cerebrovascular diseases (I60–I69)	1,495	7.5	217.0
4	Cerebrovascular diseases (I60–I69)	4,745	7.7	199.3	4	Alzheimer disease (G30)	1,303	6.6	189.1
5	Diabetes mellitus (E10–E14)	2,983	4.8	125.3	5	Diabetes mellitus (E10–E14)	1,134	5.7	164.6
6	Chronic lower respiratory diseases (J40–J47)	2,411	3.9	101.3	6	Chronic lower respiratory diseases (J40–J47)	806	4.1	117.0
7	Influenza and pneumonia (J09–J18)	1,537	2.5	64.6	7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	528	2.7	76.6
8	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	1,503	2.4	63.1	8	Influenza and pneumonia (J09–J18)	485	2.4	70.4
9	Essential hypertension and hypertensive renal disease (I10,I12,I15)	1,235	2.0	51.9	9	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	384	1.9	55.7
10	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	1,229	2.0	51.6	10	Septicemia (A40–A41)	362	1.8	52.5
...	All other causes (residual)	14,866	24.1	624.5	...	All other causes (residual)	4,696	23.7	681.7
Hispanic, female, 65–74 years					Hispanic, female, 85 years and over				
...	All causes	14,336	100.0	1,032.1	...	All causes	27,648	100.0	9,136.3
1	Malignant neoplasms (C00–C97)	4,580	31.9	329.7	1	Diseases of heart (I00–I09,I11,I13,I20–I51)	7,511	27.2	2,482.0
2	Diseases of heart (I00–I09,I11,I13,I20–I51)	2,632	18.4	189.5	2	Alzheimer disease (G30)	3,434	12.4	1,134.8
3	Diabetes mellitus (E10–E14)	962	6.7	69.3	3	Malignant neoplasms (C00–C97)	2,929	10.6	967.9
4	Cerebrovascular diseases (I60–I69)	784	5.5	56.4	4	Cerebrovascular diseases (I60–I69)	2,466	8.9	814.9
5	Chronic lower respiratory diseases (J40–J47)	474	3.3	34.1	5	Chronic lower respiratory diseases (J40–J47)	1,131	4.1	373.7
6	Chronic liver disease and cirrhosis (K70,K73–K74)	455	3.2	32.8	6	Diabetes mellitus (E10–E14)	887	3.2	293.1
7	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	427	3.0	30.7	7	Influenza and pneumonia (J09–J18)	774	2.8	255.8
8	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	323	2.3	23.3	8	Essential hypertension and hypertensive renal disease (I10,I12,I15)	633	2.3	209.2
9	Septicemia (A40–A41)	281	2.0	20.2	9	Nephritis, nephrotic syndrome and nephrosis (N00–N07,N17–N19,N25–N27)	548	2.0	181.1
10	Alzheimer disease (G30)	279	1.9	20.1	10	Accidents (unintentional injuries) (V01–X59,Y85–Y86)	522	1.9	172.5
...	All other causes (residual)	3,139	21.9	226.0	...	All other causes (residual)	6,813	24.6	2,251.4

... Category not applicable.

* Rate does not meet NCHS standards of reliability.

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, 2017

[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, 10th 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	22,335	100.0	579.2	...	All causes	9,359	100.0	460.9
1	Congenital malformations, deformations and chromosomal abnormalities . . (Q00-Q99)	4,580	20.5	118.8	1	Congenital malformations, deformations and chromosomal abnormalities . . (Q00-Q99)	2,200	23.5	108.3
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	3,749	16.8	97.2	2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	1,290	13.8	63.5
3	Newborn affected by maternal complications of pregnancy (P01)	1,432	6.4	37.1	3	Sudden infant death syndrome (R95)	651	7.0	32.1
4	Sudden infant death syndrome (R95)	1,363	6.1	35.3	4	Accidents (unintentional injuries) (V01-X59)	596	6.4	29.4
5	Accidents (unintentional injuries) (V01-X59)	1,317	5.9	34.2	5	Newborn affected by maternal complications of pregnancy (P01)	480	5.1	23.6
6	Newborn affected by complications of placenta, cord and membranes (P02)	843	3.8	21.9	6	Newborn affected by complications of placenta, cord and membranes (P02)	371	4.0	18.3
7	Bacterial sepsis of newborn (P36)	592	2.7	15.4	7	Bacterial sepsis of newborn (P36)	219	2.3	10.8
8	Diseases of the circulatory system (I00-I99)	449	2.0	11.6	8	Diseases of the circulatory system (I00-I99)	190	2.0	9.4
9	Respiratory distress of newborn (P22)	440	2.0	11.4	9	Neonatal hemorrhage (P50-P52,P54)	176	1.9	8.7
10	Neonatal hemorrhage (P50-P52,P54)	379	1.7	9.8	10	Respiratory distress of newborn (P22)	173	1.8	8.5
...	All other causes (residual)	7,191	32.2	186.5	...	All other causes (residual)	3,013	32.2	148.4
Infants, all races and origins, male					Infants, non-Hispanic white, male				
...	All causes	12,468	100.0	632.0	...	All causes	5,281	100.0	507.0
1	Congenital malformations, deformations and chromosomal abnormalities . . (Q00-Q99)	2,387	19.1	121.0	1	Congenital malformations, deformations and chromosomal abnormalities . . (Q00-Q99)	1,191	22.6	114.3
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	2,135	17.1	108.2	2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	734	13.9	70.5
3	Newborn affected by maternal complications of pregnancy (P01)	807	6.5	40.9	3	Sudden infant death syndrome (R95)	384	7.3	36.9
4	Sudden infant death syndrome (R95)	794	6.4	40.2	4	Accidents (unintentional injuries) (V01-X59)	362	6.9	34.8
5	Accidents (unintentional injuries) (V01-X59)	761	6.1	38.6	5	Newborn affected by maternal complications of pregnancy (P01)	273	5.2	26.2
6	Newborn affected by complications of placenta, cord and membranes (P02)	490	3.9	24.8	6	Newborn affected by complications of placenta, cord and membranes (P02)	211	4.0	20.3
7	Bacterial sepsis of newborn (P36)	316	2.5	16.0	7	Neonatal hemorrhage (P50-P52,P54)	120	2.3	11.5
8	Respiratory distress of newborn (P22)	261	2.1	13.2	8	Bacterial sepsis of newborn (P36)	114	2.2	10.9
9	Diseases of the circulatory system (I00-I99)	249	2.0	12.6	9	Diseases of the circulatory system (I00-I99)	107	2.0	10.3
10	Neonatal hemorrhage (P50-P52,P54)	248	2.0	12.6	10	Respiratory distress of newborn (P22)	99	1.9	9.5
...	All other causes (residual)	4,020	32.2	203.8	...	All other causes (residual)	1,686	31.9	161.9
Infants, all races and origins, female					Infants, non-Hispanic white, female				
...	All causes	9,867	100.0	523.9	...	All causes	4,078	100.0	412.4
1	Congenital malformations, deformations and chromosomal abnormalities . . (Q00-Q99)	2,193	22.2	116.4	1	Congenital malformations, deformations and chromosomal abnormalities . . (Q00-Q99)	1,009	24.7	102.0
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	1,614	16.4	85.7	2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	556	13.6	56.2
3	Newborn affected by maternal complications of pregnancy (P01)	625	6.3	33.2	3	Sudden infant death syndrome (R95)	267	6.5	27.0
4	Sudden infant death syndrome (R95)	569	5.8	30.2	4	Accidents (unintentional injuries) (V01-X59)	234	5.7	23.7
5	Accidents (unintentional injuries) (V01-X59)	556	5.6	29.5	5	Newborn affected by maternal complications of pregnancy (P01)	207	5.1	20.9
6	Newborn affected by complications of placenta, cord and membranes (P02)	353	3.6	18.7	6	Newborn affected by complications of placenta, cord and membranes (P02)	160	3.9	16.2
7	Bacterial sepsis of newborn (P36)	276	2.8	14.7	7	Bacterial sepsis of newborn (P36)	105	2.6	10.6
8	Diseases of the circulatory system (I00-I99)	200	2.0	10.6	8	Diseases of the circulatory system (I00-I99)	83	2.0	8.4
9	Respiratory distress of newborn (P22)	179	1.8	9.5	9	Respiratory distress of newborn (P22)	74	1.8	7.5
10	Intrauterine hypoxia and birth asphyxia (P20-P21)	152	1.5	8.1	10	Intrauterine hypoxia and birth asphyxia (P20-P21)	66	1.6	6.7
...	All other causes (residual)	3,150	31.9	167.2	...	All other causes (residual)	1,317	32.3	133.2

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, 2017—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, 10th 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	6,730	100.0	1,145.8	...	All causes	284	100.0	804.4
1	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	1,404	20.9	239.0	1	Congenital malformations, deformations and chromosomal abnormalities... (Q00-Q99)	49	17.3	138.8
2	Congenital malformations, deformations and chromosomal abnormalities... (Q00-Q99)	891	13.2	151.7	2	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	38	13.4	107.6
3	Newborn affected by maternal complications of pregnancy..... (P01)	492	7.3	83.8	3	Sudden infant death syndrome (R95)	25	8.8	70.8
4	Sudden infant death syndrome (R95)	472	7.0	80.4	4	Accidents (unintentional injuries).....(V01-X59)	24	8.5	68.0
5	Accidents (unintentional injuries).....(V01-X59)	455	6.8	77.5	5	Newborn affected by complications of placenta, cord and membranes..... (P02)	13	4.6	*
6	Newborn affected by complications of placenta, cord and membranes..... (P02)	246	3.7	41.9	6	Newborn affected by maternal complications of pregnancy..... (P01)	12	4.2	*
7	Bacterial sepsis of newborn (P36)	184	2.7	31.3	7	Diseases of the circulatory system.... (I00-I99)	8	2.8	*
8	Respiratory distress of newborn (P22)	142	2.1	24.2	8	Respiratory distress of newborn (P22)	6	2.1	*
9	Diseases of the circulatory system.... (I00-I99)	140	2.1	23.8	8	Bacterial sepsis of newborn (P36)	6	2.1	*
10	Necrotizing enterocolitis of newborn (P77)	119	1.8	20.3	10	Necrotizing enterocolitis of newborn (P77)	5	1.8	*
10	Assault (homicide).....(*U01,X85-Y09)	119	1.8	20.3	10	All other causes (residual)	98	34.5	277.6
...	All other causes (residual)	2,066	30.7	351.7	...				
Infants, non-Hispanic black, male					Infants, non-Hispanic American Indian or Alaska Native, male				
...	All causes	3,760	100.0	1,258.8	...	All causes	151	100.0	855.4
1	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	802	21.3	268.5	1	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	23	15.2	130.3
2	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	452	12.0	151.3	2	Congenital malformations, deformations and chromosomal abnormalities... (Q00-Q99)	22	14.6	124.6
3	Newborn affected by maternal complications of pregnancy..... (P01)	295	7.8	98.8	3	Accidents (unintentional injuries).....(V01-X59)	15	9.9	*
4	Sudden infant death syndrome (R95)	273	7.3	91.4	4	Sudden infant death syndrome (R95)	13	8.6	*
5	Accidents (unintentional injuries).....(V01-X59)	246	6.5	82.4	5	Newborn affected by complications of placenta, cord and membranes..... (P02)	8	5.3	*
6	Newborn affected by complications of placenta, cord and membranes..... (P02)	145	3.9	48.5	6	Diseases of the circulatory system.... (I00-I99)	6	4.0	*
7	Bacterial sepsis of newborn (P36)	90	2.4	30.1	6	Newborn affected by maternal complications of pregnancy..... (P01)	6	4.0	*
8	Respiratory distress of newborn (P22)	87	2.3	29.1	8	Bacterial sepsis of newborn (P36)	3	2.0	*
9	Diseases of the circulatory system.... (I00-I99)	80	2.1	26.8	8	Necrotizing enterocolitis of newborn (P77)	3	2.0	*
10	Necrotizing enterocolitis of newborn (P77)	72	1.9	24.1	8	Assault (homicide).....(*U01,X85-Y09)	3	2.0	*
...	All other causes (residual)	1,218	32.4	407.8	8	All other causes (residual)	49	32.5	277.6
Infants, non-Hispanic black, female									
...	All causes	2,970	100.0	1,028.9					
1	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	602	20.3	208.5					
2	Congenital malformations, deformations and chromosomal abnormalities... (Q00-Q99)	439	14.8	152.1					
3	Accidents (unintentional injuries).....(V01-X59)	209	7.0	72.4					
4	Sudden infant death syndrome (R95)	199	6.7	68.9					
5	Newborn affected by maternal complications of pregnancy..... (P01)	197	6.6	68.2					
6	Newborn affected by complications of placenta, cord and membranes..... (P02)	101	3.4	35.0					
7	Bacterial sepsis of newborn (P36)	94	3.2	32.6					
8	Diseases of the circulatory system.... (I00-I99)	60	2.0	20.8					
9	Respiratory distress of newborn (P22)	55	1.9	19.1					
10	Assault (homicide).....(*U01,X85-Y09)	48	1.6	16.6					
...	All other causes (residual)	966	32.5	334.6					

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, 2017—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, 10th 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 American Indian or Alaska Native, female					Infants, non-Hispanic Asian or Pacific Islander, male				
...	All causes	133	100.0	753.5	...	All causes	528	100.0	376.4
1	Congenital malformations, deformations and chromosomal abnormalities . . . (Q00-Q99)	27	20.3	153.0	1	Congenital malformations, deformations and chromosomal abnormalities . . . (Q00-Q99)	100	18.9	71.3
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	15	11.3	*	2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	95	18.0	67.7
3	Sudden infant death syndrome (R95)	12	9.0	*	3	Newborn affected by maternal complications of pregnancy (P01)	40	7.6	28.5
4	Accidents (unintentional injuries) (V01-X59)	9	6.8	*	4	Bacterial sepsis of newborn (P36)	21	4.0	15.0
5	Newborn affected by maternal complications of pregnancy (P01)	6	4.5	*	4	Accidents (unintentional injuries) (V01-X59)	21	4.0	15.0
6	Newborn affected by complications of placenta, cord and membranes (P02)	5	3.8	*	6	Newborn affected by complication of placenta, cord and membranes (P02)	18	3.4	*
7	Respiratory distress of newborn (P22)	4	3.0	*	7	Neonatal hemorrhage (P50-P52,P54)	14	2.7	*
8	Bacterial sepsis of newborn (P36)	3	2.3	*	8	Diseases of the circulatory system (I00-I99)	12	2.3	*
9	Diarrhea and gastroenteritis of infectious origin (A09)	2	1.5	*	9	Intrauterine hypoxia and birth asphyxia (P20-P21)	10	1.9	*
9	Septicemia (A40-A41)	2	1.5	*	9	Necrotizing enterocolitis of newborn (P77)	10	1.9	*
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	2	1.5	*	...	All other causes (residual)	187	35.4	133.3
9	Diseases of the circulatory system (I00-I99)	2	1.5	*	Infants, non-Hispanic Asian or Pacific Islander, female				
9	Newborn affected by other complications of labor and delivery (P03)	2	1.5	*	...	All causes	429	100.0	326.0
9	Intrauterine hypoxia and birth asphyxia (P20-P21)	2	1.5	*	1	Congenital malformations, deformations and chromosomal abnormalities . . . (Q00-Q99)	91	21.2	69.2
9	Necrotizing enterocolitis of newborn (P77)	2	1.5	*	2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	69	16.1	52.4
...	All other causes (residual)	38	28.6	215.3	3	Newborn affected by maternal complications of pregnancy (P01)	39	9.1	29.6
Infants, non-Hispanic Asian or Pacific Islander, both sexes					4	Diseases of the circulatory system (I00-I99)	21	4.9	16.0
...	All causes	957	100.0	352.0	5	Bacterial sepsis of newborn (P36)	19	4.4	*
1	Congenital malformations, deformations and chromosomal abnormalities . . . (Q00-Q99)	191	20.0	70.3	6	Sudden infant death syndrome (R95)	15	3.5	*
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	164	17.1	60.3	7	Newborn affected by complications of placenta, cord and membranes (P02)	14	3.3	*
3	Newborn affected by maternal complications of pregnancy (P01)	79	8.3	29.1	8	Accidents (unintentional injuries) (V01-X59)	12	2.8	*
4	Bacterial sepsis of newborn (P36)	40	4.2	14.7	9	Intrauterine hypoxia and birth asphyxia (P20-P21)	10	2.3	*
5	Diseases of the circulatory system (I00-I99)	33	3.4	12.1	10	Respiratory distress of newborn (P22)	9	2.1	*
5	Accidents (unintentional injuries) (V01-X59)	33	3.4	12.1	...	All other causes (residual)	130	30.3	98.8
7	Newborn affected by complications of placenta, cord and membranes (P02)	32	3.3	11.8					
8	Sudden infant death syndrome (R95)	24	2.5	8.8					
9	Neonatal hemorrhage (P50-P52,P54)	22	2.3	8.1					
10	Intrauterine hypoxia and birth asphyxia (P20-P21)	20	2.1	7.4					
...	All other causes (residual)	319	33.3	117.3					

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, 2017—Con.

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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	4,808	100.0	535.0	...	All causes	14,821	100.0	384.3
1	Congenital malformations, deformations and chromosomal abnormalities . . (Q00–Q99)	1,218	25.3	135.5	1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	3,646	24.6	94.5
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	790	16.4	87.9	2	Congenital malformations, deformations and chromosomal abnormalities . . (Q00–Q99)	3,336	22.5	86.5
3	Newborn affected by maternal complications of pregnancy (P01)	349	7.3	38.8	3	Newborn affected by maternal complications of pregnancy (P01)	1,421	9.6	36.8
4	Accidents (unintentional injuries) (V01–X59)	207	4.3	23.0	4	Newborn affected by complications of placenta, cord and membranes (P02)	833	5.6	21.6
5	Sudden infant death syndrome (R95)	186	3.9	20.7	5	Bacterial sepsis of newborn (P36)	576	3.9	14.9
6	Newborn affected by complications of placenta, cord and membranes (P02)	174	3.6	19.4	6	Respiratory distress of newborn (P22)	419	2.8	10.9
7	Bacterial sepsis of newborn (P36)	135	2.8	15.0	7	Neonatal hemorrhage (P50–P52,P54)	367	2.5	9.5
8	Respiratory distress of newborn (P22)	99	2.1	11.0	8	Intrauterine hypoxia and birth asphyxia (P20–P21)	316	2.1	8.2
8	Neonatal hemorrhage (P50–P52,P54)	99	2.1	11.0	9	Necrotizing enterocolitis of newborn (P77)	301	2.0	7.8
10	Necrotizing enterocolitis of newborn (P77)	83	1.7	9.2	10	Atelectasis (P28.0–P28.1)	245	1.7	6.4
...	All other causes (residual)	1,468	30.5	163.3	...	All other causes (residual)	3,361	22.7	87.2
Infants, Hispanic, male					Neonates, all races and origins, male				
...	All causes	2,635	100.0	575.6	...	All causes	8,259	100.0	418.6
1	Congenital malformations, deformations and chromosomal abnormalities . . (Q00–Q99)	603	22.9	131.7	1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	2,074	25.1	105.1
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	449	17.0	98.1	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,774	21.5	89.9
3	Newborn affected by maternal complications of pregnancy (P01)	184	7.0	40.2	3	Newborn affected by maternal complications of pregnancy (P01)	799	9.7	40.5
4	Accidents (unintentional injuries) (V01–X59)	115	4.4	25.1	4	Newborn affected by complications of placenta, cord and membranes (P02)	484	5.9	24.5
5	Sudden infant death syndrome (R95)	110	4.2	24.0	5	Bacterial sepsis of newborn (P36)	305	3.7	15.5
6	Newborn affected by complications of placenta, cord and membranes (P02)	103	3.9	22.5	6	Respiratory distress of newborn (P22)	251	3.0	12.7
7	Bacterial sepsis of newborn (P36)	84	3.2	18.3	7	Neonatal hemorrhage (P50–P52,P54)	241	2.9	12.2
8	Respiratory distress of newborn (P22)	62	2.4	13.5	8	Necrotizing enterocolitis of newborn (P77)	173	2.1	8.8
9	Neonatal hemorrhage (P50–P52,P54)	60	2.3	13.1	9	Intrauterine hypoxia and birth asphyxia (P20–P21)	169	2.0	8.6
10	Diseases of the circulatory system (I00–I99)	42	1.6	9.2	10	Atelectasis (P28.0–P28.1)	141	1.7	7.1
...	All other causes (residual)	823	31.2	179.8	...	All other causes (residual)	1,848	22.4	93.7
Infants, Hispanic, female					Neonates, all races and origins, female				
...	All causes	2,173	100.0	492.8	...	All causes	6,562	100.0	348.4
1	Congenital malformations, deformations and chromosomal abnormalities . . (Q00–Q99)	615	28.3	139.5	1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	1,572	24.0	83.5
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	341	15.7	77.3	2	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,562	23.8	82.9
3	Newborn affected by maternal complications of pregnancy (P01)	165	7.6	37.4	3	Newborn affected by maternal complications of pregnancy (P01)	622	9.5	33.0
4	Accidents (unintentional injuries) (V01–X59)	92	4.2	20.9	4	Newborn affected by complications of placenta, cord and membranes (P02)	349	5.3	18.5
5	Sudden infant death syndrome (R95)	76	3.5	17.2	5	Bacterial sepsis of newborn (P36)	271	4.1	14.4
6	Newborn affected by complications of placenta, cord and membranes (P02)	71	3.3	16.1	6	Respiratory distress of newborn (P22)	168	2.6	8.9
7	Bacterial sepsis of newborn (P36)	51	2.3	11.6	7	Intrauterine hypoxia and birth asphyxia (P20–P21)	147	2.2	7.8
8	Necrotizing enterocolitis of newborn (P77)	45	2.1	10.2	8	Necrotizing enterocolitis of newborn (P77)	128	2.0	6.8
9	Neonatal hemorrhage (P50–P52,P54)	39	1.8	8.8	9	Neonatal hemorrhage (P50–P52,P54)	126	1.9	6.7
10	Respiratory distress of newborn (P22)	37	1.7	8.4	10	Atelectasis (P28.0–P28.1)	104	1.6	5.5
...	All other causes (residual)	641	29.5	145.4	...	All other causes (residual)	1,513	23.1	80.3

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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 white, female				
...	All causes	6,191	100.0	304.9	...	All causes	2,710	100.0	274.1
1	Congenital malformations, deformations and chromosomal abnormalities . . . (Q00-Q99)	1,667	26.9	82.1	1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	742	27.4	75.0
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	1,253	20.2	61.7	2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	537	19.8	54.3
3	Newborn affected by maternal complications of pregnancy (P01)	476	7.7	23.4	3	Newborn affected by maternal complications of pregnancy (P01)	207	7.6	20.9
4	Newborn affected by complications of placenta, cord and membranes (P02)	364	5.9	17.9	4	Newborn affected by complications of placenta, cord and membranes (P02)	156	5.8	15.8
5	Bacterial sepsis of newborn (P36)	210	3.4	10.3	5	Bacterial sepsis of newborn (P36)	102	3.8	10.3
6	Neonatal hemorrhage (P50-P52,P54)	171	2.8	8.4	6	Respiratory distress of newborn (P22)	72	2.7	7.3
7	Respiratory distress of newborn (P22)	168	2.7	8.3	7	Intrauterine hypoxia and birth asphyxia (P20-P21)	66	2.4	6.7
8	Intrauterine hypoxia and birth asphyxia (P20-P21)	147	2.4	7.2	8	Neonatal hemorrhage (P50-P52,P54)	54	2.0	5.5
9	Necrotizing enterocolitis of newborn (P77)	106	1.7	5.2	9	Hydrops fetalis not due to hemolytic disease (P83.2)	42	1.5	4.2
10	Atelectasis (P28.0-P28.1)	103	1.7	5.1	10	Atelectasis (P28.0-P28.1)	41	1.5	4.1
...	All other causes (residual)	1,526	24.6	75.2	10	Necrotizing enterocolitis of newborn (P77)	41	1.5	4.1
Neonates, non-Hispanic white, male					Neonates, non-Hispanic black, both sexes				
...	All causes	3,481	100.0	334.2	...	All causes	4,278	100.0	728.3
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	925	26.6	88.8	1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	1,363	31.9	232.1
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	716	20.6	68.7	2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	606	14.2	103.2
3	Newborn affected by maternal complications of pregnancy (P01)	269	7.7	25.8	3	Newborn affected by maternal complications of pregnancy (P01)	490	11.5	83.4
4	Newborn affected by complications of placenta, cord and membranes (P02)	208	6.0	20.0	4	Newborn affected by complications of placenta, cord and membranes (P02)	243	5.7	41.4
5	Neonatal hemorrhage (P50-P52,P54)	117	3.4	11.2	5	Bacterial sepsis of newborn (P36)	180	4.2	30.6
6	Bacterial sepsis of newborn (P36)	108	3.1	10.4	6	Respiratory distress of newborn (P22)	130	3.0	22.1
7	Respiratory distress of newborn (P22)	96	2.8	9.2	7	Necrotizing enterocolitis of newborn (P77)	103	2.4	17.5
8	Intrauterine hypoxia and birth asphyxia (P20-P21)	81	2.3	7.8	8	Intrauterine hypoxia and birth asphyxia (P20-P21)	84	2.0	14.3
9	Necrotizing enterocolitis of newborn (P77)	65	1.9	6.2	9	Neonatal hemorrhage (P50-P52,P54)	80	1.9	13.6
10	Atelectasis (P28.0-P28.1)	62	1.8	6.0	10	Atelectasis (P28.0-P28.1)	71	1.7	12.1
...	All other causes (residual)	834	24.0	80.1	...	All other causes (residual)	928	21.7	158.0

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, 2017—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, 10th 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 black, male					Neonates, non-Hispanic American Indian or Alaska Native, both sexes				
...	All causes	2,400	100.0	803.5	...	All causes	155	100.0	439.0
1	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	776	32.3	259.8	1	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	38	24.5	107.6
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	312	13.0	104.5	2	Congenital malformations, deformations and chromosomal abnormalities ... (Q00-Q99)	29	18.7	82.1
3	Newborn affected by maternal complications of pregnancy (P01)	293	12.2	98.1	3	Newborn affected by complications of placenta, cord and membranes (P02)	13	8.4	*
4	Newborn affected by complications of placenta, cord and membranes (P02)	142	5.9	47.5	4	Newborn affected by maternal complications of pregnancy (P01)	12	7.7	*
5	Bacterial sepsis of newborn (P36)	86	3.6	28.8	5	Respiratory distress of newborn (P22)	6	3.9	*
6	Respiratory distress of newborn (P22)	81	3.4	27.1	5	Bacterial sepsis of newborn (P36)	6	3.9	*
7	Necrotizing enterocolitis of newborn (P77)	60	2.5	20.1	7	Necrotizing enterocolitis of newborn (P77)	5	3.2	*
8	Neonatal hemorrhage (P50-P52,P54)	53	2.2	17.7	8	Newborn affected by other complications of labor and delivery (P03)	4	2.6	*
9	Intrauterine hypoxia and birth asphyxia (P20-P21)	41	1.7	13.7	9	Diseases of the circulatory system ... (I00-I99)	3	1.9	*
10	Atelectasis (P28.0-P28.1)	36	1.5	12.1	9	Atelectasis (P28.0-P28.1)	3	1.9	*
...	All other causes (residual)	520	21.7	174.1	9	Accidents (unintentional injuries) (V01-X59)	3	1.9	*
Neonates, non-Hispanic black, female					Neonates, non-Hispanic American Indian or Alaska Native, male				
...	All causes	1,878	100.0	650.6	...	All causes	79	100.0	447.5
1	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	587	31.3	203.3	1	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	23	29.1	130.3
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	294	15.7	101.8	2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	12	15.2	*
3	Newborn affected by maternal complications of pregnancy (P01)	197	10.5	68.2	3	Newborn affected by complications of placenta, cord and membranes (P02)	8	10.1	*
4	Newborn affected by complications of placenta, cord and membranes (P02)	101	5.4	35.0	4	Newborn affected by maternal complications of pregnancy (P01)	6	7.6	*
5	Bacterial sepsis of newborn (P36)	94	5.0	32.6	5	Diseases of the circulatory system ... (I00-I99)	3	3.8	*
6	Respiratory distress of newborn (P22)	49	2.6	17.0	5	Bacterial sepsis of newborn (P36)	3	3.8	*
7	Intrauterine hypoxia and birth asphyxia (P20-P21)	43	2.3	14.9	5	Necrotizing enterocolitis of newborn (P77)	3	3.8	*
7	Necrotizing enterocolitis of newborn (P77)	43	2.3	14.9	8	Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)	2	2.5	*
9	Atelectasis (P28.0-P28.1)	35	1.9	12.1	8	Newborn affected by other complications of labor and delivery (P03)	2	2.5	*
10	Neonatal hemorrhage (P50-P52,P54)	27	1.4	9.4	8	Respiratory distress of newborn (P22)	2	2.5	*
...	All other causes (residual)	408	21.7	141.3	8	Atelectasis (P28.0-P28.1)	2	2.5	*
					...	All other causes (residual)	13	16.5	*

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, 2017—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, 10th 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 American Indian or Alaska Native, female					Neonates, non-Hispanic Asian or Pacific Islander, male				
...	All causes	76	100.0	430.5	...	All causes	384	100.0	273.7
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	17	22.4	*	1	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	90	23.4	64.2
2	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	15	19.7	*	2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	69	18.0	49.2
3	Newborn affected by maternal complications of pregnancy (P01)	6	7.9	*	3	Newborn affected by maternal complications of pregnancy (P01)	40	10.4	28.5
4	Newborn affected by complications of placenta, cord and membranes (P02)	5	6.6	*	4	Bacterial sepsis of newborn (P36)	20	5.2	14.3
5	Respiratory distress of newborn (P22)	4	5.3	*	5	Newborn affected by complications of placenta, cord and membranes (P02)	18	4.7	*
6	Bacterial sepsis of newborn (P36)	3	3.9	*	6	Neonatal hemorrhage (P50-P52,P54)	13	3.4	*
7	Newborn affected by other complications of labor and delivery (P03)	2	2.6	*	7	Intrauterine hypoxia and birth asphyxia (P20-P21)	9	2.3	*
7	Intrauterine hypoxia and birth asphyxia (P20-P21)	2	2.6	*	8	Respiratory distress of newborn (P22)	8	2.1	*
7	Necrotizing enterocolitis of newborn (P77)	2	2.6	*	8	Necrotizing enterocolitis of newborn (P77)	8	2.1	*
7	Accidents (unintentional injuries) (V01-X59)	2	2.6	*	10	Diseases of the circulatory system ... (I00-I99)	5	1.3	*
...	All other causes (residual)	18	23.7	*	10	Atelectasis (P28.0-P28.1)	5	1.3	*
Neonates, non-Hispanic Asian or Pacific Islander, both sexes					Neonates, non-Hispanic Asian or Pacific Islander, female				
...	All causes	674	100.0	247.9	...	All causes	290	100.0	220.4
1	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	156	23.1	57.4	1	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	66	22.8	50.2
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	128	19.0	47.1	2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	59	20.3	44.8
3	Newborn affected by maternal complications of pregnancy (P01)	78	11.6	28.7	3	Newborn affected by maternal complications of pregnancy (P01)	38	13.1	28.9
4	Bacterial sepsis of newborn (P36)	39	5.8	14.3	4	Bacterial sepsis of newborn (P36)	19	6.6	*
5	Newborn affected by complications of placenta, cord and membranes (P02)	32	4.7	11.8	5	Newborn affected by complications of placenta, cord and membranes (P02)	14	4.8	*
6	Neonatal hemorrhage (P50-P52,P54)	20	3.0	7.4	6	Intrauterine hypoxia and birth asphyxia (P20-P21)	9	3.1	*
7	Intrauterine hypoxia and birth asphyxia (P20-P21)	18	2.7	*	6	Respiratory distress of newborn (P22)	9	3.1	*
8	Respiratory distress of newborn (P22)	17	2.5	*	8	Atelectasis (P28.0-P28.1)	8	2.8	*
9	Atelectasis (P28.0-P28.1)	13	1.9	*	9	Neonatal hemorrhage (P50-P52,P54)	7	2.4	*
10	Necrotizing enterocolitis of newborn (P77)	11	1.6	*	10	Sudden infant death syndrome (R95)	4	1.4	*
...	All other causes (residual)	162	24.0	59.6	...	All other causes (residual)	57	19.7	43.3

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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, 2017—Con.

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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	3,355	100.0	373.3	...	All causes	7,514	100.0	194.8
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	881	26.3	98.0	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	1,244	16.6	32.3
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	776	23.1	86.3	2	Sudden infant death syndrome (R95)	1,240	16.5	32.2
3	Newborn affected by maternal complications of pregnancy (P01)	345	10.3	38.4	3	Accidents (unintentional injuries) (V01–X59)	1,207	16.1	31.3
4	Newborn affected by complications of placenta, cord and membranes (P02)	174	5.2	19.4	4	Diseases of the circulatory system (I00–I99)	361	4.8	9.4
5	Bacterial sepsis of newborn (P36)	133	4.0	14.8	5	Assault (homicide) (*U01,X85–Y09)	275	3.7	7.1
6	Respiratory distress of newborn (P22)	96	2.9	10.7	6	Diarrhea and gastroenteritis of infectious origin (A09)	176	2.3	4.6
6	Neonatal hemorrhage (P50–P52,P54)	96	2.9	10.7	7	Influenza and pneumonia (J09–J18)	155	2.1	4.0
8	Necrotizing enterocolitis of newborn (P77)	75	2.2	8.3	8	Septicemia (A40–A41)	143	1.9	3.7
9	Intrauterine hypoxia and birth asphyxia (P20–P21)	62	1.8	6.9	9	Chronic respiratory disease originating in the perinatal period (P27)	114	1.5	3.0
10	Atelectasis (P28.0–P28.1)	51	1.5	5.7	10	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	103	1.4	2.7
...	All other causes (residual)	666	19.9	74.1	...	All other causes (residual)	2,496	33.2	64.7
Neonates, Hispanic, male					Postneonates, all races and origins, male				
...	All causes	1,829	100.0	399.5	...	All causes	4,209	100.0	213.3
1	Congenital malformations, deformations and chromosomal abnormalities . . (Q00–Q99)	443	24.2	96.8	1	Sudden infant death syndrome (R95)	730	17.3	37.0
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	439	24.0	95.9	2	Accidents (unintentional injuries) (V01–X59)	706	16.8	35.8
3	Newborn affected by maternal complications of pregnancy (P01)	182	10.0	39.8	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	613	14.6	31.1
4	Newborn affected by complications of placenta, cord and membranes (P02)	103	5.6	22.5	4	Diseases of the circulatory system (I00–I99)	197	4.7	10.0
5	Bacterial sepsis of newborn (P36)	84	4.6	18.3	5	Assault (homicide) (*U01,X85–Y09)	160	3.8	8.1
6	Respiratory distress of newborn (P22)	62	3.4	13.5	6	Diarrhea and gastroenteritis of infectious origin (A09)	111	2.6	5.6
7	Neonatal hemorrhage (P50–P52,P54)	58	3.2	12.7	7	Influenza and pneumonia (J09–J18)	96	2.3	4.9
8	Intrauterine hypoxia and birth asphyxia (P20–P21)	37	2.0	8.1	8	Chronic respiratory disease originating in the perinatal period (P27)	77	1.8	3.9
9	Necrotizing enterocolitis of newborn (P77)	36	2.0	7.9	9	Septicemia (A40–A41)	75	1.8	3.8
10	Atelectasis (P28.0–P28.1)	34	1.9	7.4	10	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	61	1.4	3.1
...	All other causes (residual)	351	19.2	76.7	...	All other causes (residual)	1,383	32.9	70.1
Neonates, Hispanic, female					Postneonates, all races and origins, female				
...	All causes	1,526	100.0	346.1	...	All causes	3,305	100.0	175.5
1	Congenital malformations, deformations and chromosomal abnormalities . . (Q00–Q99)	438	28.7	99.3	1	Congenital malformations, deformations and chromosomal abnormalities . . (Q00–Q99)	631	19.1	33.5
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	337	22.1	76.4	2	Sudden infant death syndrome (R95)	510	15.4	27.1
3	Newborn affected by maternal complications of pregnancy (P01)	163	10.7	37.0	3	Accidents (unintentional injuries) (V01–X59)	501	15.2	26.6
4	Newborn affected by complications of placenta, cord and membranes (P02)	71	4.7	16.1	4	Diseases of the circulatory system (I00–I99)	164	5.0	8.7
5	Bacterial sepsis of newborn (P36)	49	3.2	11.1	5	Assault (homicide) (*U01,X85–Y09)	115	3.5	6.1
6	Necrotizing enterocolitis of newborn (P77)	39	2.6	8.8	6	Septicemia (A40–A41)	68	2.1	3.6
7	Neonatal hemorrhage (P50–P52,P54)	38	2.5	8.6	7	Diarrhea and gastroenteritis of infectious origin (A09)	65	2.0	3.5
8	Respiratory distress of newborn (P22)	34	2.2	7.7	8	Influenza and pneumonia (J09–J18)	59	1.8	3.1
9	Intrauterine hypoxia and birth asphyxia (P20–P21)	25	1.6	5.7	9	Disorders related to short gestation and low birth weight, not elsewhere classified . . . (P07)	42	1.3	2.2
10	Hydrops fetalis not due to hemolytic disease (P83.2)	21	1.4	4.8	10	Chronic respiratory disease originating in the perinatal period (P27)	37	1.1	2.0
...	All other causes (residual)	311	20.4	70.5	...	All other causes (residual)	1,113	33.7	59.1

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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 white, both sexes					Postneonates, non-Hispanic white, female				
...	All causes	3,168	100.0	156.0	...	All causes	1,368	100.0	138.3
1	Sudden infant death syndrome (R95)	584	18.4	28.8	1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	267	19.5	27.0
2	Congenital malformations, deformations and chromosomal abnormalities . . . (Q00-Q99)	533	16.8	26.2	2	Sudden infant death syndrome (R95)	235	17.2	23.8
3	Accidents (unintentional injuries).....(V01-X59)	528	16.7	26.0	3	Accidents (unintentional injuries).....(V01-X59)	202	14.8	20.4
4	Diseases of the circulatory system.... (I00-I99)	151	4.8	7.4	4	Diseases of the circulatory system.... (I00-I99)	65	4.8	6.6
5	Assault (homicide).....(*U01,X85-Y09)	111	3.5	5.5	5	Assault (homicide).....(*U01,X85-Y09)	50	3.7	5.1
6	Diarrhea and gastroenteritis of infectious origin.....(A09)	59	1.9	2.9	6	Diarrhea and gastroenteritis of infectious origin.....(A09)	26	1.9	2.6
7	Influenza and pneumonia.....(J09-J18)	57	1.8	2.8	7	Septicemia.....(A40-A41)	23	1.7	2.3
8	Septicemia.....(A40-A41)	50	1.6	2.5	7	Influenza and pneumonia.....(J09-J18)	23	1.7	2.3
9	Chronic respiratory disease originating in the perinatal period.....(P27)	44	1.4	2.2	9	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	19	1.4	*
10	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	37	1.2	1.8	10	Malignant neoplasms.....(C00-C97)	12	0.9	*
...	All other causes.....(residual)	1,014	32.0	49.9	10	Chronic respiratory disease originating in the perinatal period.....(P27)	12	0.9	*
					...	All other causes.....(residual)	434	31.7	43.9
Postneonates, non-Hispanic white, male					Postneonates, non-Hispanic black, both sexes				
...	All causes	1,800	100.0	172.8	...	All causes	2,452	100.0	417.5
1	Sudden infant death syndrome (R95)	349	19.4	33.5	1	Sudden infant death syndrome (R95)	436	17.8	74.2
2	Accidents (unintentional injuries).....(V01-X59)	326	18.1	31.3	2	Accidents (unintentional injuries).....(V01-X59)	427	17.4	72.7
3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	266	14.8	25.5	3	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	285	11.6	48.5
4	Diseases of the circulatory system.... (I00-I99)	86	4.8	8.3	4	Diseases of the circulatory system.... (I00-I99)	119	4.9	20.3
5	Assault (homicide).....(*U01,X85-Y09)	61	3.4	5.9	5	Assault (homicide).....(*U01,X85-Y09)	108	4.4	18.4
6	Influenza and pneumonia.....(J09-J18)	34	1.9	3.3	6	Diarrhea and gastroenteritis of infectious origin.....(A09)	63	2.6	10.7
7	Diarrhea and gastroenteritis of infectious origin.....(A09)	33	1.8	3.2	7	Influenza and pneumonia.....(J09-J18)	54	2.2	9.2
8	Chronic respiratory disease originating in the perinatal period.....(P27)	32	1.8	3.1	8	Septicemia.....(A40-A41)	51	2.1	8.7
9	Septicemia.....(A40-A41)	27	1.5	2.6	9	Chronic respiratory disease originating in the perinatal period.....(P27)	48	2.0	8.2
10	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	18	1.0	*	10	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	41	1.7	7.0
...	All other causes.....(residual)	568	31.6	54.5	...	All other causes.....(residual)	820	33.4	139.6

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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, 2017—Con.

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Postneonates, non-Hispanic black, male					Postneonates, non-Hispanic American Indian or Alaska Native, both sexes				
...	All causes	1,360	100.0	455.3	...	All causes	129	100.0	365.4
1	Sudden infant death syndrome (R95)	252	18.5	84.4	...	Sudden infant death syndrome (R95)	25	19.4	70.8
2	Accidents (unintentional injuries).....(V01–X59)	234	17.2	78.3	1	Accidents (unintentional injuries).....(V01–X59)	21	16.3	59.5
3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	140	10.3	46.9	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	20	15.5	56.7
4	Diseases of the circulatory system.... (I00–I99)	66	4.9	22.1	4	Diseases of the circulatory system.... (I00–I99)	5	3.9	*
4	Assault (homicide).....(*U01,X85–Y09)	66	4.9	22.1	4	Assault (homicide).....(*U01,X85–Y09)	3	2.3	*
6	Diarrhea and gastroenteritis of infectious origin..... (A09)	42	3.1	14.1	5	Diarrhea and gastroenteritis of infectious origin..... (A09)	4	3.1	*
7	Influenza and pneumonia (J09–J18)	32	2.4	10.7	6	Septicemia (A40–A41)	3	2.3	*
8	Chronic respiratory disease originating in the perinatal period (P27)	29	2.1	9.7	6	Assault (homicide).....(*U01,X85–Y09)	3	2.3	*
9	Septicemia (A40–A41)	27	2.0	9.0	8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	2	1.6	*
10	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	26	1.9	8.7	8	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism..... (D50–D89)	2	1.6	*
...	All other causes (residual)	446	32.8	149.3	8	Volume depletion, disorders of fluid, electrolyte and acid-base balance..... (E86–E87)	2	1.6	*
Postneonates, non-Hispanic black, female					Postneonates, non-Hispanic American Indian or Alaska Native, male				
...	All causes	1,092	100.0	378.3	...	All causes	72	100.0	407.9
1	Accidents (unintentional injuries).....(V01–X59)	193	17.7	66.9	1	Accidents (unintentional injuries).....(V01–X59)	14	19.4	*
2	Sudden infant death syndrome (R95)	184	16.8	63.7	1	Sudden infant death syndrome (R95)	13	18.1	*
3	Congenital malformations, deformations and chromosomal abnormalities . . . (Q00–Q99)	145	13.3	50.2	3	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	10	13.9	*
4	Diseases of the circulatory system.... (I00–I99)	53	4.9	18.4	4	Diseases of the circulatory system.... (I00–I99)	3	4.2	*
5	Assault (homicide).....(*U01,X85–Y09)	42	3.8	14.5	4	Diarrhea and gastroenteritis of infectious origin (A09)	2	2.8	*
6	Septicemia (A40–A41)	24	2.2	8.3	5	Anoxic brain damage, not elsewhere classified..... (G93.1)	2	2.8	*
7	Influenza and pneumonia (J09–J18)	22	2.0	7.6	5	Assault (homicide).....(*U01,X85–Y09)	2	2.8	*
8	Diarrhea and gastroenteritis of infectious origin..... (A09)	21	1.9	7.3	8	Septicemia (A40–A41)	1	1.4	*
9	Chronic respiratory disease originating in the perinatal period (P27)	19	1.7	*	8	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism..... (D50–D89)	1	1.4	*
10	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	15	1.4	*	8	Volume depletion, disorders of fluid, electrolyte and acid-base balance..... (E86–E87)	1	1.4	*
...	All other causes (residual)	374	34.2	129.6	8	Influenza and pneumonia (J09–J18)	1	1.4	*
					8	Pneumonitis due to solids and liquids.... (J69)	1	1.4	*
					8	Hernia of abdominal cavity and intestinal obstruction without hernia.....(K40–K46,K56)	1	1.4	*
					8	Newborn affected by noxious influences transmitted via placenta or breast milk..... (P04)	1	1.4	*
					8	Chronic respiratory disease originating in the perinatal period (P27)	1	1.4	*
					...	All other causes (residual)	18	25.0	*

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, 2017—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, 10th 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 American Indian or Alaska Native, female					Postneonates, non-Hispanic Asian or Pacific Islander, male				
...	All causes	57	100.0	322.9	...	All causes	144	100.0	102.7
1	Sudden infant death syndrome (R95)	12	21.1	*	1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	31	21.5	22.1
2	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	10	17.5	*	2	Accidents (unintentional injuries) (V01-X59)	21	14.6	15.0
3	Accidents (unintentional injuries) (V01-X59)	7	12.3	*	3	Sudden infant death syndrome (R95)	8	5.6	*
4	Diarrhea and gastroenteritis of infectious origin (A09)	2	3.5	*	4	Diseases of the circulatory system (I00-I99)	7	4.9	*
4	Septicemia (A40-A41)	2	3.5	*	5	Influenza and pneumonia (J09-J18)	6	4.2	*
4	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	2	3.5	*	6	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	5	3.5	*
4	Diseases of the circulatory system (I00-I99)	2	3.5	*	7	Diarrhea and gastroenteritis of infectious origin (A09)	4	2.8	*
8	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)	1	1.8	*	8	Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)	3	2.1	*
8	Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)	1	1.8	*	8	Chronic respiratory disease originating in the perinatal period (P27)	3	2.1	*
8	Meningitis (G00,G03)	1	1.8	*	10	Septicemia (A40-A41)	2	1.4	*
8	Acute bronchitis and acute bronchiolitis (J20-J21)	1	1.8	*	10	Acute upper respiratory infections ... (J00-J06)	2	1.4	*
8	Interstitial emphysema and related conditions originating in the perinatal period (P25)	1	1.8	*	10	Acute bronchitis and acute bronchiolitis (J20-J21)	2	1.4	*
8	Assault (homicide) (*U01,X85-Y09)	1	1.8	*	10	Hernia of abdominal cavity and intestinal obstruction without hernia (K40-K46,K56)	2	1.4	*
...	All other causes (residual)	14	24.6	*	10	Necrotizing enterocolitis of newborn (P77)	2	1.4	*
					10	Assault (homicide) (*U01,X85-Y09)	2	1.4	*
					...	All other causes (residual)	44	30.6	31.4
Postneonates, non-Hispanic Asian or Pacific Islander, both sexes									
...	All causes	283	100.0	104.1					
1	Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	63	22.3	23.2					
2	Accidents (unintentional injuries) (V01-X59)	33	11.7	12.1					
3	Diseases of the circulatory system (I00-I99)	26	9.2	9.6					
4	Sudden infant death syndrome (R95)	19	6.7	*					
5	Diarrhea and gastroenteritis of infectious origin (A09)	9	3.2	*					
6	Influenza and pneumonia (J09-J18)	8	2.8	*					
6	Disorders related to short gestation and low birth weight, not elsewhere classified ... (P07)	8	2.8	*					
8	Septicemia (A40-A41)	6	2.1	*					
9	Malignant neoplasms (C00-C97)	4	1.4	*					
9	Acute bronchitis and acute bronchiolitis (J20-J21)	4	1.4	*					
9	Chronic respiratory disease originating in the perinatal period (P27)	4	1.4	*					
9	Assault (homicide) (*U01,X85-Y09)	4	1.4	*					
...	All other causes (residual)	95	33.6	34.9					

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, 2017—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, 10th 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, female					Postneonates, Hispanic, male				
...	All causes	139	100.0	105.6	...	All causes	806	100.0	176.1
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	32	23.0	24.3	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	160	19.9	35.0
2	Diseases of the circulatory system (I00–I99)	19	13.7	*	2	Accidents (unintentional injuries) (V01–X59)	109	13.5	23.8
3	Accidents (unintentional injuries) (V01–X59)	12	8.6	*	3	Sudden infant death syndrome (R95)	103	12.8	22.5
4	Sudden infant death syndrome (R95)	11	7.9	*	4	Diseases of the circulatory system (I00–I99)	33	4.1	7.2
5	Diarrhea and gastroenteritis of infectious origin (A09)	5	3.6	*	5	Assault (homicide) (*U01,X85–Y09)	29	3.6	6.3
6	Septicemia (A40–A41)	4	2.9	*	6	Diarrhea and gastroenteritis of infectious origin (A09)	27	3.3	5.9
6	Malignant neoplasms (C00–C97)	4	2.9	*	7	Influenza and pneumonia (J09–J18)	23	2.9	5.0
8	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	3	2.2	*	8	Septicemia (A40–A41)	16	2.0	*
9	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	2	1.4	*	9	Chronic respiratory disease originating in the perinatal period (P27)	12	1.5	*
9	Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86–E87)	2	1.4	*	10	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	10	1.2	*
9	Influenza and pneumonia (J09–J18)	2	1.4	*	...	All other causes (residual)	284	35.2	62.0
9	Acute bronchitis and acute bronchiolitis (J20–J21)	2	1.4	*	Postneonates, Hispanic, female				
9	Assault (homicide) (*U01,X85–Y09)	2	1.4	*	...	All causes	647	100.0	146.7
...	All other causes (residual)	39	28.1	29.6	1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	177	27.4	40.1
Postneonates, Hispanic, both sexes					2	Accidents (unintentional injuries) (V01–X59)	87	13.4	19.7
...	All causes	1,453	100.0	161.7	3	Sudden infant death syndrome (R95)	68	10.5	15.4
1	Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	337	23.2	37.5	4	Diseases of the circulatory system (I00–I99)	25	3.9	5.7
2	Accidents (unintentional injuries) (V01–X59)	196	13.5	21.8	5	Assault (homicide) (*U01,X85–Y09)	20	3.1	4.5
3	Sudden infant death syndrome (R95)	171	11.8	19.0	6	Septicemia (A40–A41)	15	2.3	*
4	Diseases of the circulatory system (I00–I99)	58	4.0	6.5	7	Influenza and pneumonia (J09–J18)	12	1.9	*
5	Assault (homicide) (*U01,X85–Y09)	49	3.4	5.5	8	Diarrhea and gastroenteritis of infectious origin (A09)	11	1.7	*
6	Diarrhea and gastroenteritis of infectious origin (A09)	38	2.6	4.2	9	Malignant neoplasms (C00–C97)	8	1.2	*
7	Influenza and pneumonia (J09–J18)	35	2.4	3.9	9	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	8	1.2	*
8	Septicemia (A40–A41)	31	2.1	3.4	...	All other causes (residual)	216	33.4	49.0
9	Chronic respiratory disease originating in the perinatal period (P27)	17	1.2	*					
10	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50–D89)	15	1.0	*					
...	All other causes (residual)	506	34.8	56.3					

... Category not applicable.

* Rate does not meet NCHS standards of reliability.

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 2017 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 [Technical Notes](#) of the companion report, “Deaths: Final Data for 2017” (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 Manual* (6,18–22). The manual includes 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 coding multiple causes of death. In addition, MICAR provides more detailed information on the conditions reported on death certificates than is available through the ICD code structure. Then, beginning with data year 1993, SuperMICAR, an enhancement of the MICAR system, was introduced (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 2017, 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 2017

No ICD–10 codes were added or deleted in data year 2017, and no new changes were made to the coding or classification rules in 2017 (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 2017. The percentage of all decedents with age not stated in 2017 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 2017) 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 (0.5%) 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 [Technical Notes](#) of “Deaths: Final Data for 2017” (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 0.9%, and the percentage of live births to mothers of unknown origin was 0.8% for the United States in 2017 (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 2017” (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, 2017. 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 2017” (3).

Population estimates used for this report are shown by sex in [Table I](#) and by race and Hispanic origin, sex, and age in [Table II](#). Take care to note 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 2017” (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, 2017

Age (years)	Total	Male	Female
Total	325,719,178	160,408,119	165,311,059
Under 1	3,939,295	2,015,150	1,924,145
1–4	15,999,565	8,180,818	7,818,747
5–9	20,304,238	10,368,141	9,936,097
10–14	20,778,454	10,605,072	10,173,382
15–19	21,131,660	10,800,491	10,331,169
20–24	22,118,635	11,349,142	10,769,493
25–34	45,342,672	22,991,361	22,351,311
35–44	40,875,370	20,369,100	20,506,270
45–54	42,374,952	20,906,357	21,468,595
55–64	41,995,658	20,257,803	21,737,855
65 and over	50,858,679	22,564,684	28,293,995
65–74	29,683,446	13,877,140	15,806,306
75–84	14,706,551	6,407,875	8,298,676
85 and over	6,468,682	2,279,669	4,189,013

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, 2017

Age (years)	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	201,240,793	99,231,457	102,009,336	42,624,362	20,416,272	22,208,090	2,729,175	1,338,910	1,390,265	20,178,119	9,642,283	10,535,836	58,946,729	29,779,197	29,167,532
Under 1	2,041,317	1,045,373	995,944	605,983	309,368	296,615	39,235	19,977	19,258	221,939	113,798	108,141	1,030,821	526,634	504,187
1–4	8,285,748	4,249,222	4,036,526	2,453,540	1,246,451	1,207,089	158,905	80,889	78,016	951,247	489,094	462,153	4,150,125	2,115,162	2,034,963
5–9	10,542,044	5,398,897	5,143,147	3,104,446	1,576,851	1,527,595	204,274	103,326	100,948	1,185,403	604,479	580,924	5,268,071	2,684,588	2,583,483
10–14	11,099,720	5,689,440	5,410,280	3,087,625	1,566,146	1,521,479	205,509	103,871	101,638	1,217,117	613,072	604,045	5,168,483	2,632,543	2,535,940
15–19	11,597,893	5,949,101	5,648,792	3,199,179	1,625,167	1,574,012	208,980	105,864	103,116	1,226,980	618,028	608,952	4,898,628	2,502,331	2,396,297
20–24	12,217,849	6,279,933	5,937,916	3,410,969	1,733,291	1,677,678	216,832	110,066	106,766	1,436,887	727,668	709,219	4,836,098	2,498,184	2,337,914
25–34	25,655,211	13,010,670	12,644,541	6,490,096	3,196,998	3,293,098	411,122	206,828	204,294	3,465,550	1,687,242	1,778,308	9,320,693	4,889,623	4,431,070
35–44	23,538,969	11,838,353	11,700,616	5,360,705	2,534,092	2,826,613	329,086	161,750	167,336	3,174,442	1,487,448	1,686,994	8,472,168	4,347,457	4,124,711
45–54	27,063,704	13,485,855	13,577,849	5,354,691	2,509,125	2,845,566	332,865	161,076	171,789	2,728,183	1,273,852	1,454,331	6,895,509	3,476,449	3,419,060
55–64	29,887,846	14,590,788	15,297,058	4,900,570	2,239,726	2,660,844	322,298	150,897	171,401	2,182,933	993,734	1,189,199	4,702,011	2,282,658	2,419,353
65 and over	39,310,492	17,693,825	21,616,667	4,656,558	1,879,057	2,777,501	300,069	134,366	165,703	2,387,438	1,033,868	1,353,570	4,204,122	1,823,568	2,380,554
65–74	22,613,841	10,748,445	11,865,396	2,885,963	1,239,268	1,646,695	193,288	89,747	103,541	1,440,697	639,087	801,610	2,549,657	1,160,593	1,389,064
75–84	11,492,086	5,095,710	6,396,376	1,277,737	491,956	785,781	79,775	34,878	44,897	678,434	295,686	382,748	1,178,519	489,645	688,874
85 and over	5,204,565	1,849,670	3,354,895	492,858	147,833	345,025	27,006	9,741	17,265	268,307	99,095	169,212	475,946	173,330	302,616

NOTE: Population estimates are based on the 2010 census.

SOURCE: U.S. Census Bureau.

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