

## Deaths: Leading Causes for 2019

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### Abstract

**Objectives**—This report presents final 2019 data on the 10 leading causes of death in the United States by age, race and Hispanic origin, and sex. Leading causes of infant, neonatal, and postneonatal death are also presented. This report supplements “Deaths: Final Data for 2019,” 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 2019. 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. Race and Hispanic-origin data are based on the Office of Management and Budget’s 1997 standards for reporting race and Hispanic origin.

**Results**—In 2019, 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; Nephritis, nephrotic syndrome and nephrosis; Influenza and pneumonia; and Intentional self-harm (suicide). They accounted for 73.4% of all deaths occurring in the United States. Differences in the rankings are evident by age, race and Hispanic origin, and sex. Leading causes of infant death for 2019 were, in rank order: Congenital malformations, deformations and chromosomal abnormalities; Disorders related to short gestation and low birth weight, not elsewhere classified; Accidents (unintentional injuries); Sudden infant death syndrome; Newborn affected by maternal complications of pregnancy; Newborn affected by complications of placenta, cord and membranes; Bacterial sepsis of newborn; Respiratory distress of newborn; Diseases of the circulatory system; and Necrotizing enterocolitis of newborn. Variations in the leading causes of infant death are noted for the neonatal and postneonatal periods.

**Keywords:** mortality • racial and ethnic differences • sex differences • National Vital Statistics System

### 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 12th. 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 2019 data on leading causes of death in the United States by age, race and Hispanic origin, and sex. It shows race and Hispanic-origin categories based on the 1997 Office of Management and Budget (OMB) standards for collecting, tabulating, and reporting race and Hispanic ethnicity (3). Because these categories are not directly comparable with those based on the 1977 OMB standards, this report also presents bridged-race categories in supplemental Internet tables to allow comparisons over time; bridged-race data will subsequently be provided through data year 2020. For details on the differences between the two sets of mortality estimates, see “Comparability of Race-specific Mortality Data Based on 1977 Versus 1997 Reporting Standards” (4). The current report supplements “Deaths: Final Data for 2019,” which separately presents final national mortality statistics for 2019 (5). Further details beyond those published in this report, such as the 15 leading causes of death and rankings for all the rankable causes of death, are provided in leading-cause work tables available from: [https://www.cdc.gov/nchs/nvss/mortality\\_tables.htm#icod\\_hr](https://www.cdc.gov/nchs/nvss/mortality_tables.htm#icod_hr). Also presented in this report are the procedures 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 District of Columbia in 2019. Death certificates are generally completed by funeral directors, attending physicians, medical examiners, and coroners. Cause-of-death statistics for 2019 presented in this report are classified according to the 10th revision of ICD (ICD–10) (6). Discussions

of the cause-of-death classification and coding rule changes in data year 2019 are provided in the [Technical Notes](#) at the end of this report.

### Procedures for ranking causes of death

The procedures that NCHS uses 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 2019 compared with 2018 were tested for statistical significance. Unless otherwise specified, reported changes are statistically significant. Additional information on statistical testing is described elsewhere (5).

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 (7). 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*” (8) 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 (9,10).

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

**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 <sup>1</sup>	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)
	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)

See footnotes at end of table.

**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 <sup>1</sup>	Cause of death (based on ICD-10)
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,U07.0)
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)
	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)

See footnotes at end of table.

**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 <sup>1</sup>	Cause of death (based on ICD-10)
#	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) <sup>2</sup>

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

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

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 those causes specific to infancy (especially the perinatal period—the period beginning shortly before and ending shortly after birth) that would otherwise be excluded. The ICD-10 “List of 130 Selected Causes of Infant Death” (8) (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.

This report presents the 10 leading causes of death by age, race and Hispanic origin, and sex. Where shown in tables, the “All other causes (residual)” category refers to causes that were not ranked among the top 10 causes of death for a specified population, whether leading causes were derived from the 51 rankable causes in the “List of 113 Selected Causes of Death” or from the 71 rankable causes in the “List of 130 Selected Causes of Infant Death” mentioned above.

## 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 (11). 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\\_](https://www.cdc.gov/nchs/nvss/mortality_)

[https://www.cdc.gov/nchs/nvss/mortality\\_tables.htm#icod](https://www.cdc.gov/nchs/nvss/mortality_tables.htm#icod) and [https://www.cdc.gov/nchs/nvss/mortality\\_tables.htm#icod\\_hr](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 (12). For example, in 2019, the rankings for the 10 leading causes of death for a 55-year-old woman were slightly different depending on whether the ranking was based on the age group 55–59 or 55–64. To illustrate, the category Nephritis, nephrotic syndrome and nephrosis (kidney disease) was not ranked among the 10 leading causes for women aged 55–59, but it was ranked ninth for women aged 55–64. Intentional self-harm (suicide) was ranked eighth for women aged 55–59, but it was not ranked in the top 10 causes for women aged 55–64. Each aggregation of age resulted in a different understanding of the relative importance of these two causes for women at or near age 55.

## Data by race and Hispanic origin

Starting in 2018, all 50 states and the District of Columbia reported race and Hispanic-origin data for the entire year using the 2003 revision of the U.S. Standard Certificate (13), which allowed for the collection of race data according to 1997 OMB standards (3). These standards require the collection, tabulation, and reporting of multiple races (any combination of two or more designated races) and use of a minimum of five single-race categories: white, black or African American, Asian, Native Hawaiian or Other Pacific Islander (NHOPI), and American Indian or Alaska Native (AIAN). Implementation of the revised death certificate was not completed by all vital statistics jurisdictions until data year 2018. In the interim, for the sake of uniformity and comparability of mortality data among jurisdictions, as well as with population estimates from the U.S. Census Bureau, multiple-race data were bridged (14) back to the four minimum single-race categories of

**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 <sup>1</sup>	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)
	Diseases of the digestive system . . . . . (K00–K92)
53#	Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50–K55)

See footnotes at end of table.

**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 <sup>1</sup>	Cause of death (based on ICD-10)
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)
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)

See footnotes at end of table.

**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 <sup>1</sup>	Cause of death (based on ICD-10)
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, V82.2–82.9, 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)

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

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

the 1977 OMB standards (15): white, black, AIAN, and Asian or Pacific Islander (API). Because the transition to the 2003 revision of the death certificate has been completed, bridged-race data will no longer be the basis for official mortality statistics as of data year 2018 but will instead be provided as supplemental information through data year 2020 to allow comparisons over time. For more details about the 2003 revision of the death certificate, delays in implementation of the revision, and race bridging of deaths and population estimates, see “Deaths: Final Data for 2019” (5).

This report presents combined single-race and Hispanic-origin categories consistent with the 1997 OMB standards as: non-Hispanic white, non-Hispanic black, non-Hispanic AIAN, non-Hispanic Asian, non-Hispanic NHOPI, and Hispanic. Because the number of decedents for whom two or more races were reported is small (0.5% of deaths in 2019), multiple-race decedents are included in totals but are not distributed among race and Hispanic-origin categories. For details on the differences between bridged-race and single-race mortality estimates, see “Comparability of Race-specific Mortality Data Based on 1977 Versus 1997 Reporting Standards” (4). Bridged-race leading-cause tabulations and related population estimates for 2019 are presented in Supplemental Internet [Tables I-1 through I-3](#).

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. Aggregated Hispanic-origin data are not affected by the transition to 1997 OMB standards. Because of net misclassification of race and Hispanic origin on the death certificate, deaths for the non-Hispanic AIAN population are estimated to be underreported by 33%, the non-Hispanic API population by 3%, and the Hispanic-origin population by 3% (16). Consequently, data for these groups should generally be interpreted with caution. Although the findings on net misclassification noted above are partially based on bridged-race mortality data, this report assumes that race is similarly misclassified in single-race data because the data collection process for race has not changed. 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.



## Results

In 2019, the 10 leading causes of death accounted for 73.4% of all deaths occurring in the United States. The first and second leading causes of death, Diseases of heart (heart disease) and Malignant neoplasms (cancer), respectively, together accounted for 44.1% of all deaths in 2019. Accidents (unintentional injuries) ranked third, Chronic lower respiratory diseases (CLRD) ranked fourth, and Cerebrovascular diseases (stroke) ranked fifth; together, these three causes accounted for 16.8% of all deaths in 2019. Completing the top 10 for 2019 were Alzheimer disease (6th); Diabetes mellitus (diabetes) (7th); Nephritis, nephrotic syndrome and nephrosis (kidney disease) (8th); Influenza and pneumonia (9th); and Intentional self-harm (suicide) (10th) (Table C); these five causes together accounted for 12.5% of deaths in 2019.

The rank order of causes in 2019 remained the same as in 2018 (17) with two exceptions: Kidney disease moved up from ninth to eighth rank, and Influenza and pneumonia moved down from eighth to ninth rank.

The number of deaths due to four leading causes increased significantly from 2018 to 2019: Unintentional injuries by 3.5%, diabetes by 3.2%, stroke by 1.5%, and heart disease by 0.6% (Table C). The number of deaths due to three leading causes decreased significantly: Influenza and pneumonia by 15.8%, suicide by 1.7%, and CLRD by 1.6%.

### Differences by sex

Similarities were observed in the ranking of certain causes of death among males and females in 2019. For both populations, heart disease and cancer ranked as the first and second leading causes of death, respectively (Figure 1, Table 1). In 2019, heart disease accounted for 24.3% of all deaths to males and 21.8% of all deaths to females. Cancer accounted for 21.4% of deaths to males and 20.5% of deaths to females.

Differences between males and females were observed in the ranking of other causes of death. In 2019, 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). Although CLRD ranked fourth for males compared with fifth for females, it accounted for a smaller percentage of deaths among males (5.0%) than among females (6.0%). Males had a lower relative burden of mortality from stroke, which ranked fifth and accounted for 4.4% of all male deaths but ranked third among females and accounted for 6.2% of all female deaths. Diabetes ranked sixth for males (3.4% of deaths) and seventh for females (2.8% of deaths). Alzheimer disease ranked seventh for males, accounting for 2.6% of deaths, but it ranked fourth for females, accounting for 6.0% of deaths. Kidney disease ranked 10th for males (1.8% of deaths) and 9th for females (1.8%).

Additionally, some of the 10 leading causes of death were unique to either population in 2019. Suicide ranked eighth for males (2.5% of deaths) but was not ranked among the 10 leading causes for females. Chronic liver disease and cirrhosis was the ninth leading cause for males (1.9% of deaths), but it was not in the top 10 for females. Influenza and pneumonia ranked 8th (1.8% of deaths) and Essential hypertension and hypertensive renal disease (hypertension) ranked 10th (1.4% of deaths) for females, but neither was among the 10 leading causes of death for males.

The rank order of leading causes changed in 2019 from 2018 (17) for both males and females. For males, Chronic liver disease and cirrhosis moved up from 10th to 9th rank; kidney disease moved into the top 10 to become the 10th leading cause; and Influenza and pneumonia dropped out of the top 10 (from 9th rank in 2018). For females, Alzheimer disease and CLRD switched ranks to become the 4th and 5th leading causes of death, respectively, and hypertension moved up into the top 10 to become the 10th leading cause, replacing Septicemia.

**Table C. Deaths and percentage of total deaths for the 10 leading causes of death: United States, 2018 and 2019**

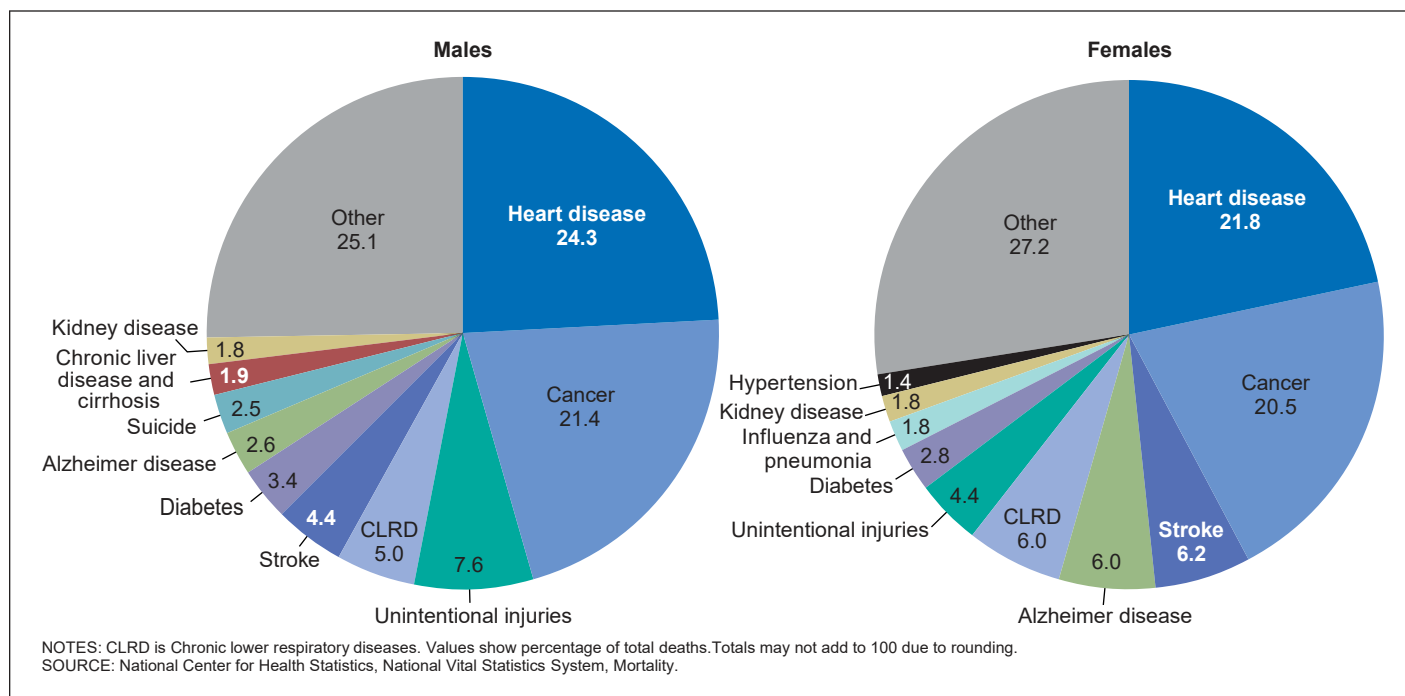
[An asterisk (\*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision (ICD-10)*]

Cause of death (based on ICD-10)	Rank <sup>1</sup>	2019		2018	
		Deaths	Percent of total deaths	Deaths	Percent of total deaths
All causes . . . . .	...	2,854,838	100.0	2,839,205	100.0
Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	1	659,041	23.1	655,381	23.1
Malignant neoplasms . . . . . (C00–C97)	2	599,601	21.0	599,274	21.1
Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	3	173,040	6.1	167,127	5.9
Chronic lower respiratory diseases . . . . . (J40–J47)	4	156,979	5.5	159,486	5.6
Cerebrovascular diseases . . . . . (I60–I69)	5	150,005	5.3	147,810	5.2
Alzheimer disease . . . . . (G30)	6	121,499	4.3	122,019	4.3
Diabetes mellitus . . . . . (E10–E14)	7	87,647	3.1	84,946	3.0
Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)	8	51,565	1.8	51,386	1.8
Influenza and pneumonia . . . . . (J09–J18)	9	49,783	1.7	59,120	2.1
Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	10	47,511	1.7	48,344	1.7

... Category not applicable.

<sup>1</sup>Based on number of deaths.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

**Figure 1. Percent distribution of the 10 leading causes of death, by sex: United States, 2019**

## Differences by age

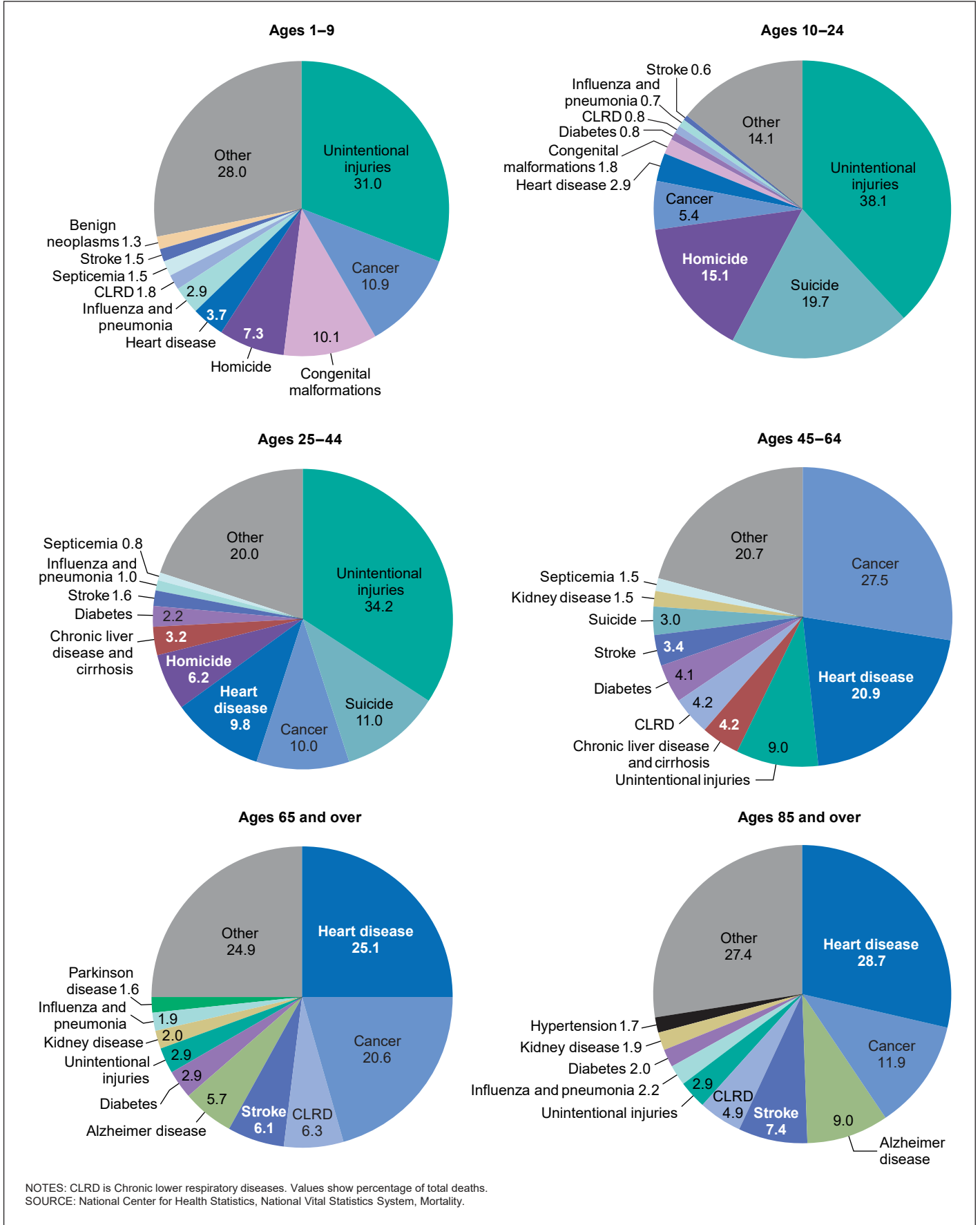
In 2019, the leading cause of death varied by age group (Figure 2). The leading cause of death for the population aged 1–44 was unintentional injuries. The relative burden of mortality from this cause was far greater at younger ages, accounting for 38.1% of deaths for age group 10–24, 34.2% of deaths for age group 25–44, and 31.0% of all deaths for age group 1–9. In contrast, unintentional injuries was the third leading cause of death for age group 45–64 (9.0% of deaths), the sixth leading cause for age group 85 and over (2.9%), and the seventh leading cause for age group 65 and over (2.9%). For the population aged 45–64, the leading cause of death was cancer, accounting for 27.5% of deaths. Cancer was the second leading cause for those aged 65 and over (20.6% of deaths), 85 and over (11.9%), and 1–9 (10.9%); the third leading cause for those aged 25–44 (10.0% of deaths); and the fourth leading cause for those aged 10–24 (5.4% of deaths). 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 28.7% of deaths. However, heart disease was the fifth leading cause for age groups 1–9 (3.7% of deaths) and 10–24 (2.9%), the fourth leading cause for age group 25–44 (9.8% of deaths), and the second leading cause for age group 45–64 (20.9% of deaths).

Other patterns in the leading causes of death were observed by age group (Figure 2). Generally, for younger age groups, external causes accounted for more deaths than other causes, whereas for older age groups, chronic diseases were far more prevalent than other causes. For the population aged 1–44, homicide and suicide were major causes of death: Homicide was the third leading cause of death for age group 10–24 (15.1% of deaths), the fourth leading cause for age group 1–9 (7.3%),

and the fifth leading cause for age group 25–44 (6.2%). 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 (19.7% of deaths) and 25–44 (11.0%). In contrast, it was the eighth leading cause for those aged 45–64 (3.0% of deaths) and was not among the 10 leading causes for the populations aged 65 and over and 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 (10.1% of deaths) and the sixth leading cause for age group 10–24 (1.8%), 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. For those aged 25–44, Chronic liver disease and cirrhosis was among the leading causes of death. This was also the case for HIV disease in the past for this age group; however, HIV disease dropped out of the top 10 causes for those aged 25–44 in 2019.

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 (6.3% of deaths), and the fifth leading cause for age groups 85 and over (4.9%) and 45–64 (4.2%). In contrast, it ranked seventh for age group 1–9 (1.8% of deaths), eighth for age group 10–24 (0.8%), 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 (7.4% of deaths) and 65 and over (6.1%). However, it was the 7th leading cause for age group 45–64 (3.4% of deaths); the 8th leading cause for age groups 25–44 (1.6% of deaths) and 1–9 (1.5%); and the 10th leading cause for age group 10–24 (0.6% of deaths). Alzheimer disease was one of the major causes of death at the oldest ages,

**Figure 2. Percent distribution of the 10 leading causes of death, by age group: United States, 2019**



ranking third for those aged 85 and over (9.0% of deaths) and fifth for those aged 65 and over (5.7%). 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 six race and Hispanic-origin groups in the 10 leading causes of death in 2019. Deaths for the Hispanic population and for non-Hispanic populations other than non-Hispanic white and non-Hispanic black are underreported to varying degrees on the death certificate (5,16). The six 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, non-Hispanic AIAN, and non-Hispanic NHOPI populations, but it was the second leading cause for the non-Hispanic Asian and Hispanic populations. The relative burden of mortality from heart disease was 17.8% in the non-Hispanic AIAN population compared with 24.9% in the non-Hispanic NHOPI population, 23.5% in the non-Hispanic white and non-Hispanic black populations, 21.2% in the non-Hispanic Asian population, and 19.7% in the Hispanic population (Table D). Cancer was the first leading cause of death for the non-Hispanic Asian and Hispanic populations, but it was the second leading cause for the non-Hispanic white, non-Hispanic black, non-Hispanic AIAN, and non-Hispanic NHOPI groups. Cancer accounted for 25.1% of all deaths in the non-Hispanic Asian population, 21.5% in the non-Hispanic NHOPI population, 21.1% in the non-Hispanic white population, 20.3% each in the non-Hispanic black and Hispanic populations, and 16.5% in the non-Hispanic AIAN population. CLRD ranked third for the non-Hispanic white population, accounting for 6.2% of deaths in this group, but it ranked sixth for the non-Hispanic AIAN (4.3% of deaths) and non-Hispanic black (3.3%) populations, seventh for the non-Hispanic Asian population (2.6%), eighth for the Hispanic population (2.7%), and ninth for the non-Hispanic NHOPI population (2.2%).

Unintentional injuries, stroke, diabetes, and kidney disease also ranked among the top 10 causes of death for each race and Hispanic-origin group. Unintentional injuries ranked fourth for the non-Hispanic white (5.7% of deaths) and non-Hispanic Asian (4.4%) populations, but it ranked third for the non-Hispanic AIAN (11.3%), Hispanic (8.9%), and non-Hispanic black (6.2%) populations, and fifth for the non-Hispanic NHOPI population (5.4%). Stroke ranked fifth for the non-Hispanic white population but third for the non-Hispanic Asian and non-Hispanic NHOPI populations, 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 Asian population (7.8% of deaths) and lowest for the non-Hispanic AIAN population (3.8%). Diabetes ranked seventh for the non-Hispanic white population (2.6% of deaths) but fourth for the non-Hispanic NHOPI population (6.4%), and fifth for the non-Hispanic AIAN (5.6%), Hispanic (4.8%), non-Hispanic black (4.4%), and non-Hispanic Asian (4.3%) populations. Kidney disease ranked 10th for the

non-Hispanic white population (1.6% of deaths), but it ranked 7th for the non-Hispanic NHOPI population (2.5%), 8th for the non-Hispanic black population (2.8%), and 9th for the non-Hispanic Asian (2.2%), non-Hispanic AIAN (2.1%), and Hispanic (2.1%) populations.

Some of the leading causes were shared by some groups but not by others. Alzheimer disease ranked 6th for the non-Hispanic white, non-Hispanic Asian, and Hispanic populations, 9th for the non-Hispanic black population, and 10th for the non-Hispanic NHOPI population, but it was not one of the top 10 causes of death in 2019 for the non-Hispanic AIAN population. Influenza and pneumonia ranked 8th for the non-Hispanic white, non-Hispanic Asian, and non-Hispanic NHOPI populations, and 10th for the non-Hispanic AIAN population, but it was not ranked in the 10 leading causes of death for the non-Hispanic black and Hispanic populations. Suicide was not ranked in the top 10 for the non-Hispanic black and non-Hispanic Asian populations but was among the 10 leading causes for the other four groups: 6th for the non-Hispanic NHOPI population, 8th for the non-Hispanic AIAN population, 9th for the non-Hispanic white population, and 10th for the Hispanic population. Chronic liver disease and cirrhosis ranked fourth 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. Hypertension was the 10th leading cause for the non-Hispanic black and non-Hispanic Asian populations but was not ranked in the top 10 for the other groups.

Furthermore, one group had a unique top 10 leading cause of death. For the non-Hispanic black population, homicide ranked seventh, but it was not among the 10 leading causes for the other race and Hispanic-origin groups.

The leading-cause rankings for the non-Hispanic white population were the same in 2019 as in 2018 (17); however, the rankings changed for the other populations. For the non-Hispanic black population, homicide and kidney disease switched ranks to become the 7th and 8th leading causes, respectively, and hypertension moved up into the top 10 to become the 10th leading cause of death, replacing Septicemia. For the non-Hispanic AIAN population, kidney disease and Influenza and pneumonia switched ranks to become the 9th and 10th leading causes, respectively. For the non-Hispanic Asian population, CLRD and Influenza and pneumonia switched ranks to become the 7th and 8th leading causes, respectively; kidney disease moved up from 10th to 9th rank; and hypertension moved down from 9th to 10th rank. For the non-Hispanic NHOPI population, stroke moved up from fifth to third rank; diabetes moved down from third to fourth rank; unintentional injuries moved down from fourth to fifth rank; suicide moved up from seventh to sixth rank; kidney disease moved up from eighth to seventh rank; and CLRD moved down from sixth to ninth rank. For the Hispanic population, kidney disease and suicide switched ranks to become the 9th and 10th leading causes, respectively.

## Leading causes of infant death

The leading cause of infant death in 2019 was congenital malformations, which accounted for 20.6% of all infant deaths (Table E). The second leading cause was Disorders related to

**Table D. Deaths and percentage of total deaths for the 10 leading causes of death, by race and Hispanic origin: United States, 2019**

[Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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			Non-Hispanic Native Hawaiian or Other Pacific Islander			Hispanic		
	Rank <sup>1</sup>	Deaths	Percent of total deaths	Rank <sup>1</sup>	Deaths	Percent of total deaths	Rank <sup>1</sup>	Deaths	Percent of total deaths	Rank <sup>1</sup>	Deaths	Percent of total deaths	Rank <sup>1</sup>	Deaths	Percent of total deaths	Rank <sup>1</sup>	Deaths	Percent of total deaths
All causes . . . . .	...	2,183,844	100.0	...	346,677	100.0	...	18,057	100.0	...	70,532	100.0	...	3,491	100.0	...	212,397	100.0
Diseases of heart . . . . . (I00-I09,I11,I13,I20-I51)	1	512,600	23.5	1	81,306	23.5	1	3,208	17.8	2	14,925	21.2	1	870	24.9	2	41,794	19.7
Malignant neoplasms . . . . . (C00-C97)	2	460,950	21.1	2	70,513	20.3	2	2,979	16.5	1	17,702	25.1	2	752	21.5	1	43,079	20.3
Chronic lower respiratory diseases . . . . . (J40-J47)	3	136,136	6.2	6	11,446	3.3	6	778	4.3	7	1,859	2.6	9	76	2.2	8	5,700	2.7
Accidents (unintentional injuries) . . . . . (V01-X59,Y85-Y86)	4	125,151	5.7	3	21,615	6.2	3	2,046	11.3	4	3,092	4.4	5	189	5.4	3	18,874	8.9
Cerebrovascular diseases . . . . . (I60-I69)	5	110,804	5.1	4	20,003	5.8	7	686	3.8	3	5,495	7.8	3	242	6.9	4	11,959	5.6
Alzheimer disease . . . . . (G30)	6	100,371	4.6	9	9,208	2.7	11	298	1.7	6	2,887	4.1	10	62	1.8	6	8,221	3.9
Diabetes mellitus . . . . . (E10-E14)	7	57,168	2.6	5	15,415	4.4	5	1,006	5.6	5	3,000	4.3	4	224	6.4	5	10,166	4.8
Influenza and pneumonia . . . . . (J09-J18)	8	38,066	1.7	12	5,363	1.5	10	367	2.0	8	1,784	2.5	8	79	2.3	11	3,808	1.8
Intentional self-harm (suicide) . . . . . (*U03,X60-X84,Y87.0)	9	37,428	1.7	15	3,115	0.9	8	546	3.0	11	1,342	1.9	6	90	2.6	10	4,331	2.0
Nephritis, nephrotic syndrome and nephrosis . . . . . (N00-N07,N17-N19,N25-N27)	10	35,081	1.6	8	9,740	2.8	9	373	2.1	9	1,523	2.2	7	88	2.5	9	4,488	2.1
Chronic liver disease and cirrhosis . . . . . (K70,K73-K74)	11	31,881	1.5	13	3,421	1.0	4	1,079	6.0	14	683	1.0	14	32	0.9	7	6,877	3.2
Essential hypertension and hypertensive renal disease . . . . . (I10,I12,I15)	14	24,962	1.1	10	6,605	1.9	14	186	1.0	10	1,458	2.1	11	56	1.6	13	3,030	1.4
Assault (homicide) . . . . . (*U01-*U02,X85-Y09,Y87.1)	20	5,176	0.2	7	9,951	2.9	12	292	1.6	19	292	0.4	13	39	1.1	12	3,122	1.5

... Category not applicable.

<sup>1</sup>Based 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.

NOTE: For the race and Hispanic-origin categories shown, only one race was reported on the death certificate.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

**Table E. Deaths and percentage of total deaths for the 10 leading causes of infant death: United States, 2018 and 2019**

Cause of death (based on the <i>International Classification of Diseases, 10th Revision</i> )	2019			2018		
	Rank <sup>1</sup>	Deaths	Percent of total deaths	Rank <sup>1</sup>	Deaths	Percent of total deaths
All causes . . . . .	...	20,921	100.0	...	21,467	100.0
Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	1	4,301	20.6	1	4,473	20.8
Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	2	3,445	16.5	2	3,679	17.1
Accidents (unintentional injuries) . . . . . (V01–X59)	3	1,266	6.1	5	1,168	5.4
Sudden infant death syndrome . . . . . (R95)	4	1,248	6.0	4	1,334	6.2
Newborn affected by maternal complications of pregnancy . . . . . (P01)	5	1,245	6.0	3	1,358	6.3
Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	6	742	3.5	6	724	3.4
Bacterial sepsis of newborn . . . . . (P36)	7	603	2.9	7	579	2.7
Respiratory distress of newborn . . . . . (P22)	8	424	2.0	9	390	1.8
Diseases of the circulatory system . . . . . (I00–I99)	9	406	1.9	8	428	2.0
Necrotizing enterocolitis of newborn . . . . . (P77)	10	354	1.7	12	298	1.4

... Category not applicable.

<sup>1</sup>Based on number of deaths.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

short gestation and low birth weight, not elsewhere classified (low birth weight) (16.5% of deaths). Unintentional injuries ranked third and accounted for 6.1% of deaths. Sudden infant death syndrome (SIDS) was the fourth leading cause (6.0% of deaths), and Newborn affected by maternal complications of pregnancy (maternal complications) was the fifth leading cause (6.0%). In 2019, 55.0% of infant deaths were attributable to these five leading causes. Other leading causes in 2019 were Newborn affected by complications of placenta, cord and membranes (ranked 6th), Bacterial sepsis of newborn (7th), Respiratory distress of newborn (8th), Diseases of the circulatory system (9th), and Necrotizing enterocolitis of newborn (10th). Together, these 10 leading causes of infant death accounted for 67.1% of all infant deaths.

The rank order of the leading causes of death for infants changed in 2019 from 2018 (17): Unintentional injuries moved up from 5th to 3rd place; maternal complications moved down from 3rd to 5th place; Respiratory distress of newborn and Diseases of the circulatory system switched ranks to become the 8th and 9th leading causes, respectively; and Necrotizing enterocolitis of newborn moved up to become the 10th leading cause of infant death, replacing Neonatal hemorrhage.

## 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 2019. In contrast, congenital malformations was the leading cause of postneonatal death. SIDS—the fourth leading cause of infant death overall—ranked third 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 second; homicide,

ranked fifth; Influenza and pneumonia, ranked seventh; and Septicemia, ranked ninth.

The rank order of the 10 leading causes of neonatal deaths remained the same in 2019 as in 2018 (17). The rankings for the 10 leading causes of postneonatal deaths changed in 2019: Unintentional injuries and SIDS switched ranks to become the second and third leading causes, respectively; Diarrhea and gastroenteritis of infectious origin moved up from ninth to sixth rank; Influenza and pneumonia moved down from sixth to seventh rank; Chronic respiratory disease originating in the perinatal period moved down from seventh to eighth rank; and Septicemia moved down from eighth to ninth rank.

Differences in infant mortality, including neonatal and postneonatal mortality, by race and Hispanic origin are detailed in Table 2, and the same information based on bridged-race data is shown in Internet Table I–2. However, these differences 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 (16,18–21). 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 (22).

## Discussion

This report presents leading causes of death in the United States by age, race and Hispanic origin, and sex, and for the infant, neonatal, and postneonatal periods. Cause-of-death ranking is a popular method of presenting mortality statistics and is a useful tool for illustrating the relative burden of cause-specific mortality, but it must be used cautiously with a clear understanding of the limitations underlying the method.

When comparing rankings across demographic groups or over time, careful note should be made of the age distribution of the populations being compared. Leading causes of death for populations with younger age distributions will tend to show higher rankings for causes of death that are prevalent among

**Table F. Deaths and percentage of total deaths for the 10 leading causes of neonatal and postneonatal deaths: United States, 2019**

[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 <sup>1</sup>	Cause of death (based on ICD-10)	Deaths	Percent of total deaths
Neonatal			
...	All causes . . . . .	13,801	100.0
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	3,374	24.4
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	3,047	22.1
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	1,240	9.0
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	731	5.3
5	Bacterial sepsis of newborn . . . . . (P36)	579	4.2
6	Respiratory distress of newborn . . . . . (P22)	409	3.0
7	Neonatal hemorrhage . . . . . (P50–P52,P54)	335	2.4
8	Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)	320	2.3
9	Necrotizing enterocolitis of newborn . . . . . (P77)	312	2.3
10	Atelectasis . . . . . (P28.0–P28.1)	230	1.7
...	All other causes . . . . . (residual)	3,224	23.4
Postneonatal			
...	All causes . . . . .	7,120	100.0
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	1,254	17.6
2	Accidents (unintentional injuries) . . . . . (V01–X59)	1,125	15.8
3	Sudden infant death syndrome . . . . . (R95)	1,110	15.6
4	Diseases of the circulatory system . . . . . (I00–I99)	326	4.6
5	Assault (homicide) . . . . . (*U01,X85–Y09)	247	3.5
6	Diarrhea and gastroenteritis of infectious origin . . . . . (A09)	180	2.5
7	Influenza and pneumonia . . . . . (J09–J18)	156	2.2
8	Chronic respiratory disease originating in the perinatal period . . . . . (P27)	148	2.1
9	Septicemia . . . . . (A40–A41)	131	1.8
10	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	71	1.0
...	All other causes . . . . . (residual)	2,372	33.3

... Category not applicable.

<sup>1</sup>Based on number of deaths.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

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. Moreover, the changes to race and ethnicity classification starting in 2018 should be noted when conducting analyses of changes in rank over time by race and Hispanic origin (4,17).

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 (1,2,5,8) provide this needed structure.

## References

1. National Office of Vital Statistics. Leading causes of death: United States and each state, 1949. Vital statistics—Special reports, national summaries; vol 36 no 20. Washington, DC: Public Health Service. 1952.
2. National Office of Vital Statistics. Summary report of the third annual meeting of the Public Health Conference on Records and Statistics. Washington, DC: Public Health Service. 1951.
3. Office of Management and Budget. Revisions to the standards for the classification of federal data on race and ethnicity. Fed Regist 62(210):58782–90. Washington, DC. 1997. Available from: <https://www.govinfo.gov/content/pkg/FR-1997-10-30/pdf/97-28653.pdf>.
4. Heron M. Comparability of race-specific mortality data based on 1977 versus 1997 reporting standards. National Vital Statistics Reports; vol 70 no 3. Hyattsville, MD: National Center for Health Statistics. 2021. DOI: <https://dx.doi.org/10.15620/cdc:103476>.
5. Xu JQ, Murphy SL, Kochanek KD, Arias E. Deaths: Final data for 2019. National Vital Statistics Reports; vol 70 no 8. Hyattsville, MD: National Center for Health Statistics. 2021. DOI: <https://dx.doi.org/10.15620/cdc:106058>.
6. World Health Organization. International statistical classification of diseases and related health problems, 10th revision (ICD-10). 2008 ed. Geneva, Switzerland. 2009.

7. Anderson RN, Rosenberg HM. Age standardization of death rates: Implementation of the year 2000 standard. *National Vital Statistics Reports*; vol 47 no 3. Hyattsville, MD: National Center for Health Statistics. 1998. Available from: [https://www.cdc.gov/nchs/data/nvsr/nvsr47/nvs47\\_03.pdf](https://www.cdc.gov/nchs/data/nvsr/nvsr47/nvs47_03.pdf).
8. National Center for Health Statistics. Instruction manual, part 9: ICD-10 cause-of-death lists for tabulating mortality statistics. Hyattsville, MD. 2020. Available from: <https://www.cdc.gov/nchs/data/dvs/Part9InstructionManual2019-508.pdf>.
9. Heron M, Hoyert DL, Murphy SL, Xu JQ, Kochanek KD, Tejada-Vera B. Deaths: Final data for 2006. *National Vital Statistics Reports*; vol 57 no 14. Hyattsville, MD: National Center for Health Statistics. 2009. Available from: [https://www.cdc.gov/nchs/data/nvsr/nvsr57/nvsr57\\_14.pdf](https://www.cdc.gov/nchs/data/nvsr/nvsr57/nvsr57_14.pdf).
10. Heron M. Deaths: Leading causes for 2006. *National Vital Statistics Reports*; vol 58 no 14. Hyattsville, MD: National Center for Health Statistics. 2010. Available from: [https://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58\\_14.pdf](https://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58_14.pdf).
11. Murphy SL. Deaths: Final data for 1998. *National Vital Statistics Reports*; vol 48 no 11. Hyattsville, MD: National Center for Health Statistics. 2000. Available from: [https://www.cdc.gov/nchs/data/nvsr/nvsr48/nvs48\\_11.pdf](https://www.cdc.gov/nchs/data/nvsr/nvsr48/nvs48_11.pdf).
12. Gardner P, Rosenberg HM, Wilson RW. Leading causes of death by age, sex, race, and Hispanic origin: United States, 1992. *National Center for Health Statistics. Vital Health Stat 20(29)*. 1996. Available from: [https://www.cdc.gov/nchs/data/series/sr\\_20/sr20\\_029.pdf](https://www.cdc.gov/nchs/data/series/sr_20/sr20_029.pdf).
13. National Center for Health Statistics. U.S. Standard Certificate of Death, 2003 revision. 2003. Available from: <http://www.cdc.gov/nchs/data/dvs/DEATH11-03final-acc.pdf>.
14. Ingram DD, Parker JD, Schenker N, Weed JA, Hamilton B, Arias E, Madans JH. United States Census 2000 population with bridged race categories. *National Center for Health Statistics. Vital Health Stat 2(135)*. 2003. Available from: [https://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_135.pdf](https://www.cdc.gov/nchs/data/series/sr_02/sr02_135.pdf).
15. Office of Management and Budget. Race and ethnic standards for federal statistics and administrative reporting. *Statistical Policy Directive No. 15*. Washington, DC. 1977. Available from <https://wonder.cdc.gov/wonder/help/populations/bridged-race/directive15.html>.
16. Arias E, Heron M, Hakes JK. The validity of race and Hispanic-origin reporting on death certificates in the United States: An update. *National Center for Health Statistics. Vital Health Stat 2(172)*. 2016. Available from: [https://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_172.pdf](https://www.cdc.gov/nchs/data/series/sr_02/sr02_172.pdf).
17. Heron M. Deaths: Leading causes for 2018. *National Vital Statistics Reports*; vol 70 no 4. Hyattsville, MD: National Center for Health Statistics. 2021. DOI: <https://doi.org/10.15620/cdc:104186>.
18. Sorlie PD, Rogot E, Johnson NJ. Validity of demographic characteristics on the death certificate. *Epidemiology 3(2)*:181-4. 1992.
19. Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, MacDorman MF, Hoyert DL, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. *National Center for Health Statistics. Vital Health Stat 2(128)*. 1999. Available from: [https://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_128.pdf](https://www.cdc.gov/nchs/data/series/sr_02/sr02_128.pdf).
20. Arias E, Schauman WS, Eschbach K, Sorlie PD, Backlund E. The validity of race and Hispanic origin reporting on death certificates in the United States. *National Center for Health Statistics. Vital Health Stat 2(148)*. 2008. Available from: [https://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_148.pdf](https://www.cdc.gov/nchs/data/series/sr_02/sr02_148.pdf).
21. Arias E, Eschbach K, Schauman WS, Backlund EL, Sorlie PD. The Hispanic mortality advantage and ethnic misclassification on US death certificates. *Am J Public Health 100(Suppl 1)*:S171-7. 2010.
22. Ely DM, Driscoll AK. Infant mortality in the United States, 2018: Data from the period linked birth/infant death data file. *National Vital Statistics Reports*; vol 69 no 7. Hyattsville, MD: National Center for Health Statistics. 2020. Available from: <https://www.cdc.gov/nchs/data/nvsr/nvsr69/nvsr-69-7-508.pdf>.
23. National Center for Health Statistics. Instruction manual, part 2a: Instructions for classifying the underlying cause of death, 2017. Hyattsville, MD. Available from: [https://www.cdc.gov/nchs/data/dvs/2a\\_2017.pdf](https://www.cdc.gov/nchs/data/dvs/2a_2017.pdf).
24. National Center for Health Statistics. Instruction manual, part 2b: Instructions for classifying multiple causes of death, 2017. Hyattsville, MD. Available from: [https://www.cdc.gov/nchs/data/dvs/2b\\_2017.pdf](https://www.cdc.gov/nchs/data/dvs/2b_2017.pdf).
25. National Center for Health Statistics. Instruction manual, part 2e, volume 1: ICD-10, mortality. Tabular list, 2017. Modified by the National Center for Health Statistics for use in the classification and analysis of medical mortality in the U.S. Hyattsville, MD. Available from: [https://www.cdc.gov/nchs/data/dvs/2e\\_volume1\\_2017.pdf](https://www.cdc.gov/nchs/data/dvs/2e_volume1_2017.pdf).
26. National Center for Health Statistics. Instruction manual, part 11: Computer edits for mortality data, including separate section for fetal deaths, effective 2014. Hyattsville, MD. Available from: [https://www.cdc.gov/nchs/data/dvs/2014\\_PT11\\_NOV2014.pdf](https://www.cdc.gov/nchs/data/dvs/2014_PT11_NOV2014.pdf).
27. National Center for Health Statistics. Instruction manual, part 2c: Vital statistics ICD-10 ACME decision tables for classifying underlying causes of death, 2016. Hyattsville, MD. Available from: [https://www.cdc.gov/nchs/data/dvs/2c\\_2016.pdf](https://www.cdc.gov/nchs/data/dvs/2c_2016.pdf).
28. National Center for Health Statistics. Instruction manual, part 2g: Data entry instructions for the Mortality Medical Indexing, Classification, and Retrieval System (MICAR), 1996-1997. Hyattsville, MD. 1996. Available from: <https://www.cdc.gov/nchs/data/dvs/2gmanual.pdf>.
29. National Center for Health Statistics. Instruction manual, part 2h: Dictionary of valid terms for the Mortality Medical Indexing, Classification, and Retrieval System (MICAR), 1991. Hyattsville, MD. 1991.
30. National Center for Health Statistics. Instruction manual, part 2s: SuperMICAR data entry instructions, 2011. Hyattsville, MD. Available from: [https://www.cdc.gov/nchs/data/dvs/2011\\_2s.pdf](https://www.cdc.gov/nchs/data/dvs/2011_2s.pdf).
31. Chamblee RF, Evans MC. TRANSAX: The NCHS system for producing multiple cause-of-death statistics, 1968-78. *National Center for Health Statistics. Vital Health Stat 1(20)*. 1986. Available from: [https://www.cdc.gov/nchs/data/series/sr\\_01/sr01\\_020acc.pdf](https://www.cdc.gov/nchs/data/series/sr_01/sr01_020acc.pdf).
32. Israel RA, Rosenberg HM, Curtin LR. Analytical potential for multiple cause-of-death data. *Am J Epidemiol 124(2)*:161-79. 1986.
33. National Center for Health Statistics. Mortality multiple cause-of-death public use record, 2003 [provisional]. Hyattsville, MD. 2003. Available from: [https://www.cdc.gov/nchs/data/dvs/Record\\_Layout\\_2003.pdf](https://www.cdc.gov/nchs/data/dvs/Record_Layout_2003.pdf).
34. National Center for Health Statistics. User guide to the 2019 natality public use file. Hyattsville, MD. Available from: [https://www.cdc.gov/nchs/data\\_access/vitalstatsonline.htm](https://www.cdc.gov/nchs/data_access/vitalstatsonline.htm).
35. U.S. Census Bureau. Vintage 2019 annual state resident population estimates for 6 race groups (5 race alone groups and two or more races) by age, sex, and Hispanic origin: April 1, 2010 to July 1, 2019. 2020. Available from: [https://www2.census.gov/programs-surveys/popest/tables/2010-2019/state/asrh\(SC-EST2019-ALLDATA6\)](https://www2.census.gov/programs-surveys/popest/tables/2010-2019/state/asrh(SC-EST2019-ALLDATA6)).



36. National Center for Health Statistics. Vintage 2019 bridged-race postcensal population estimates for April 1, 2010, July 1, 2010–July 1, 2019, by year, county, single year of age (0 to 85+ years), bridged race, Hispanic origin, and sex. Prepared under a collaborative arrangement with the U.S. Census Bureau. 2020. Available from: [https://www.cdc.gov/nchs/nvss/bridged\\_race/data\\_documentation.htm#vintage2019](https://www.cdc.gov/nchs/nvss/bridged_race/data_documentation.htm#vintage2019) (pcen\_v2019\_y19.txt).
37. Martin JA, Hamilton BE, Osterman MJK, Driscoll AK. Births: Final data for 2019. National Vital Statistics Reports; vol 70 no 2. Hyattsville, MD: National Center for Health Statistics. 2021. DOI: <https://dx.doi.org/10.15620/cdc:100472>.

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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, 2019**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
All races and origins, both sexes, all ages <sup>4</sup>				
...	All causes. ....	2,854,838	100.0	869.7
1	Diseases of heart . . . . . (I00-I09,I11,I13,I20-I51)	659,041	23.1	200.8
2	Malignant neoplasms . . . . . (C00-C97)	599,601	21.0	182.7
3	Accidents (unintentional injuries) . . . . . (V01-X59,Y85-Y86)	173,040	6.1	52.7
4	Chronic lower respiratory diseases . . . . . (J40-J47)	156,979	5.5	47.8
5	Cerebrovascular diseases . . . . . (I60-I69)	150,005	5.3	45.7
6	Alzheimer disease . . . . . (G30)	121,499	4.3	37.0
7	Diabetes mellitus . . . . . (E10-E14)	87,647	3.1	26.7
8	Nephritis, nephrotic syndrome and nephrosis . . . . . (N00-N07,N17-N19,N25-N27)	51,565	1.8	15.7
9	Influenza and pneumonia . . . . . (J09-J18)	49,783	1.7	15.2
10	Intentional self-harm (suicide) . . . . . (*U03,X60-X84,Y87.0)	47,511	1.7	14.5
...	All other causes . . . . . (residual)	758,167	26.6	231.0
All races and origins, both sexes, 1-4 years				
...	All causes. ....	3,676	100.0	23.3
1	Accidents (unintentional injuries) . . . . . (V01-X59,Y85-Y86)	1,149	31.3	7.3
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	416	11.3	2.6
3	Malignant neoplasms . . . . . (C00-C97)	285	7.8	1.8
4	Assault (homicide) . . . . . (*U01-*U02,X85-Y09,Y87.1)	284	7.7	1.8
5	Diseases of heart . . . . . (I00-I09,I11,I13,I20-I51)	133	3.6	0.8
6	Influenza and pneumonia . . . . . (J09-J18)	122	3.3	0.8
7	Certain conditions originating in the perinatal period . . . . . (P00-P96)	57	1.6	0.4
8	Septicemia . . . . . (A40-A41)	53	1.4	0.3
9	Cerebrovascular diseases . . . . . (I60-I69)	52	1.4	0.3
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00-D48)	49	1.3	0.3
...	All other causes . . . . . (residual)	1,076	29.3	6.8
All races and origins, both sexes, 5-9 years				
...	All causes. ....	2,333	100.0	11.6
1	Accidents (unintentional injuries) . . . . . (V01-X59,Y85-Y86)	714	30.6	3.5
2	Malignant neoplasms . . . . . (C00-C97)	371	15.9	1.8
3	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	192	8.2	1.0
4	Assault (homicide) . . . . . (*U01-*U02,X85-Y09,Y87.1)	155	6.6	0.8
5	Diseases of heart . . . . . (I00-I09,I11,I13,I20-I51)	91	3.9	0.5
6	Chronic lower respiratory diseases . . . . . (J40-J47)	69	3.0	0.3
7	Influenza and pneumonia . . . . . (J09-J18)	52	2.2	0.3
8	Cerebrovascular diseases . . . . . (I60-I69)	37	1.6	0.2
9	Septicemia . . . . . (A40-A41)	36	1.5	0.2
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00-D48)	31	1.3	0.2
...	All other causes . . . . . (residual)	585	25.1	2.9
All races and origins, both sexes, 10-14 years				
...	All causes. ....	3,164	100.0	15.2
1	Accidents (unintentional injuries) . . . . . (V01-X59,Y85-Y86)	778	24.6	3.7
2	Intentional self-harm (suicide) . . . . . (*U03,X60-X84,Y87.0)	534	16.9	2.6
3	Malignant neoplasms . . . . . (C00-C97)	404	12.8	1.9
4	Assault (homicide) . . . . . (*U01-*U02,X85-Y09,Y87.1)	191	6.0	0.9
5	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	189	6.0	0.9
6	Diseases of heart . . . . . (I00-I09,I11,I13,I20-I51)	87	2.7	0.4
7	Chronic lower respiratory diseases . . . . . (J40-J47)	81	2.6	0.4
8	Influenza and pneumonia . . . . . (J09-J18)	71	2.2	0.3
9	Cerebrovascular diseases . . . . . (I60-I69)	48	1.5	0.2
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00-D48)	35	1.1	0.2
...	All other causes . . . . . (residual)	746	23.6	3.6

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
All races and origins, both sexes, 15–19 years				
...	All causes.....	10,258	100.0	48.7
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	3,537	34.5	16.8
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	2,210	21.5	10.5
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	1,877	18.3	8.9
4	Malignant neoplasms..... (C00–C97)	589	5.7	2.8
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	288	2.8	1.4
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	188	1.8	0.9
7	Influenza and pneumonia..... (J09–J18)	71	0.7	0.3
8	Chronic lower respiratory diseases..... (J40–J47)	60	0.6	0.3
9	Diabetes mellitus..... (E10–E14)	59	0.6	0.3
10	Cerebrovascular diseases..... (I60–I69)	58	0.6	0.3
...	All other causes..... (residual)	1,321	12.9	6.3
All races and origins, both sexes, 20–24 years				
...	All causes.....	19,513	100.0	90.2
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	8,218	42.1	38.0
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	3,744	19.2	17.3
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	2,897	14.8	13.4
4	Malignant neoplasms..... (C00–C97)	799	4.1	3.7
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	584	3.0	2.7
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	202	1.0	0.9
7	Diabetes mellitus..... (E10–E14)	189	1.0	0.9
8	Pregnancy, childbirth and the puerperium..... (O00–O99)	126	0.6	0.6
9	Chronic lower respiratory diseases..... (J40–J47)	108	0.6	0.5
10	Influenza and pneumonia..... (J09–J18)	104	0.5	0.5
...	All other causes..... (residual)	2,542	13.0	11.8
All races and origins, both sexes, 25–34 years				
...	All causes.....	59,178	100.0	128.8
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	24,516	41.4	53.4
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	8,059	13.6	17.5
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	5,341	9.0	11.6
4	Malignant neoplasms..... (C00–C97)	3,577	6.0	7.8
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	3,495	5.9	7.6
6	Chronic liver disease and cirrhosis..... (K70,K73–K74)	1,112	1.9	2.4
7	Diabetes mellitus..... (E10–E14)	887	1.5	1.9
8	Cerebrovascular diseases..... (I60–I69)	585	1.0	1.3
9	Pregnancy, childbirth and the puerperium..... (O00–O99)	532	0.9	1.2
10	Human immunodeficiency virus (HIV) disease..... (B20–B24)	486	0.8	1.1
...	All other causes..... (residual)	10,588	17.9	23.0
All races and origins, both sexes, 35–44 years				
...	All causes.....	82,986	100.0	199.2
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	24,070	29.0	57.8
2	Malignant neoplasms..... (C00–C97)	10,695	12.9	25.7
3	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	10,499	12.7	25.2
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	7,525	9.1	18.1
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	3,446	4.2	8.3
6	Chronic liver disease and cirrhosis..... (K70,K73–K74)	3,417	4.1	8.2
7	Diabetes mellitus..... (E10–E14)	2,228	2.7	5.3
8	Cerebrovascular diseases..... (I60–I69)	1,741	2.1	4.2
9	Influenza and pneumonia..... (J09–J18)	951	1.1	2.3
10	Septicemia..... (A40–A41)	812	1.0	1.9
...	All other causes..... (residual)	17,602	21.2	42.3

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
All races and origins, both sexes, 45–54 years				
...	All causes.....	160,393	100.0	392.4
1	Malignant neoplasms..... (C00–C97)	35,587	22.2	87.1
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	31,138	19.4	76.2
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	23,359	14.6	57.1
4	Chronic liver disease and cirrhosis..... (K70,K73–K74)	8,098	5.0	19.8
5	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	8,012	5.0	19.6
6	Diabetes mellitus..... (E10–E14)	6,348	4.0	15.5
7	Cerebrovascular diseases..... (I60–I69)	5,153	3.2	12.6
8	Chronic lower respiratory diseases..... (J40–J47)	3,592	2.2	8.8
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	2,269	1.4	5.6
10	Septicemia..... (A40–A41)	2,176	1.4	5.3
...	All other causes..... (residual)	34,661	21.6	84.8
All races and origins, both sexes, 55–64 years				
...	All causes.....	374,937	100.0	883.3
1	Malignant neoplasms..... (C00–C97)	111,765	29.8	263.3
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	80,837	21.6	190.4
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	24,892	6.6	58.6
4	Chronic lower respiratory diseases..... (J40–J47)	18,743	5.0	44.2
5	Diabetes mellitus..... (E10–E14)	15,508	4.1	36.5
6	Chronic liver disease and cirrhosis..... (K70,K73–K74)	14,385	3.8	33.9
7	Cerebrovascular diseases..... (I60–I69)	12,931	3.4	30.5
8	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	8,238	2.2	19.4
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	5,857	1.6	13.8
10	Septicemia..... (A40–A41)	5,672	1.5	13.4
...	All other causes..... (residual)	76,109	20.3	179.3
All races and origins, both sexes, 65 years and over				
...	All causes.....	2,117,332	100.0	3,916.8
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	531,583	25.1	983.4
2	Malignant neoplasms..... (C00–C97)	435,462	20.6	805.5
3	Chronic lower respiratory diseases..... (J40–J47)	133,246	6.3	246.5
4	Cerebrovascular diseases..... (I60–I69)	129,193	6.1	239.0
5	Alzheimer disease..... (G30)	120,090	5.7	222.1
6	Diabetes mellitus..... (E10–E14)	62,397	2.9	115.4
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	60,527	2.9	112.0
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	42,230	2.0	78.1
9	Influenza and pneumonia..... (J09–J18)	40,399	1.9	74.7
10	Parkinson disease..... (G20–G21)	34,435	1.6	63.7
...	All other causes..... (residual)	527,770	24.9	976.3
All races and origins, both sexes, 65–74 years				
...	All causes.....	555,559	100.0	1,764.6
1	Malignant neoplasms..... (C00–C97)	171,062	30.8	543.3
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	122,421	22.0	388.8
3	Chronic lower respiratory diseases..... (J40–J47)	39,238	7.1	124.6
4	Cerebrovascular diseases..... (I60–I69)	24,051	4.3	76.4
5	Diabetes mellitus..... (E10–E14)	23,069	4.2	73.3
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	17,163	3.1	54.5
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	10,938	2.0	34.7
8	Chronic liver disease and cirrhosis..... (K70,K73–K74)	10,411	1.9	33.1
9	Septicemia..... (A40–A41)	8,810	1.6	28.0
10	Influenza and pneumonia..... (J09–J18)	8,603	1.5	27.3
...	All other causes..... (residual)	119,793	21.6	380.5

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
All races and origins, both sexes, 75–84 years				
...	All causes.....	688,027	100.0	4,308.3
1	Malignant neoplasms..... (C00–C97)	160,639	23.3	1,005.9
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	158,287	23.0	991.2
3	Chronic lower respiratory diseases..... (J40–J47)	50,791	7.4	318.0
4	Cerebrovascular diseases..... (I60–I69)	40,592	5.9	254.2
5	Alzheimer disease..... (G30)	33,566	4.9	210.2
6	Diabetes mellitus..... (E10–E14)	22,185	3.2	138.9
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	18,438	2.7	115.5
8	Parkinson disease..... (G20–G21)	14,902	2.2	93.3
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	14,720	2.1	92.2
10	Influenza and pneumonia..... (J09–J18)	12,332	1.8	77.2
...	All other causes..... (residual)	161,575	23.5	1,011.7
All races and origins, both sexes, 85 years and over				
...	All causes.....	873,746	100.0	13,228.6
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	250,875	28.7	3,798.3
2	Malignant neoplasms..... (C00–C97)	103,761	11.9	1,571.0
3	Alzheimer disease..... (G30)	78,688	9.0	1,191.3
4	Cerebrovascular diseases..... (I60–I69)	64,550	7.4	977.3
5	Chronic lower respiratory diseases..... (J40–J47)	43,217	4.9	654.3
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	24,926	2.9	377.4
7	Influenza and pneumonia..... (J09–J18)	19,464	2.2	294.7
8	Diabetes mellitus..... (E10–E14)	17,143	2.0	259.5
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	16,572	1.9	250.9
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	15,001	1.7	227.1
...	All other causes..... (residual)	239,549	27.4	3,626.8
All races and origins, male, all ages <sup>4</sup>				
...	All causes.....	1,473,823	100.0	911.7
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	357,761	24.3	221.3
2	Malignant neoplasms..... (C00–C97)	315,876	21.4	195.4
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	112,720	7.6	69.7
4	Chronic lower respiratory diseases..... (J40–J47)	73,724	5.0	45.6
5	Cerebrovascular diseases..... (I60–I69)	64,347	4.4	39.8
6	Diabetes mellitus..... (E10–E14)	49,512	3.4	30.6
7	Alzheimer disease..... (G30)	37,983	2.6	23.5
8	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	37,256	2.5	23.0
9	Chronic liver disease and cirrhosis..... (K70,K73–K74)	28,105	1.9	17.4
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	26,669	1.8	16.5
...	All other causes..... (residual)	369,870	25.1	228.8
All races and origins, male, 1–4 years				
...	All causes.....	2,041	100.0	25.3
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	672	32.9	8.3
2	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	209	10.2	2.6
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	162	7.9	2.0
4	Malignant neoplasms..... (C00–C97)	150	7.3	1.9
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	72	3.5	0.9
6	Influenza and pneumonia..... (J09–J18)	64	3.1	0.8
7	Cerebrovascular diseases..... (I60–I69)	30	1.5	0.4
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	29	1.4	0.4
9	Certain conditions originating in the perinatal period..... (P00–P96)	25	1.2	0.3
10	Septicemia..... (A40–A41)	24	1.2	0.3
...	All other causes..... (residual)	604	29.6	7.5

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
All races and origins, male, 5–9 years				
...	All causes. ....	1,290	100.0	12.5
1	Accidents (unintentional injuries). .... (V01–X59,Y85–Y86)	417	32.3	4.0
2	Malignant neoplasms. .... (C00–C97)	193	15.0	1.9
3	Congenital malformations, deformations and chromosomal abnormalities. .... (Q00–Q99)	106	8.2	1.0
4	Assault (homicide). .... (*U01–*U02,X85–Y09,Y87.1)	97	7.5	0.9
5	Chronic lower respiratory diseases. .... (J40–J47)	46	3.6	0.4
6	Diseases of heart. .... (I00–I09,I11,I13,I20–I51)	43	3.3	0.4
7	Influenza and pneumonia. .... (J09–J18)	24	1.9	0.2
8	Cerebrovascular diseases. .... (I60–I69)	20	1.6	0.2
9	Septicemia. .... (A40–A41)	14	1.1	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior. .... (D00–D48)	12	0.9	*
...	All other causes. .... (residual)	318	24.7	3.1
All races and origins, male, 10–14 years				
...	All causes. ....	1,896	100.0	17.9
1	Accidents (unintentional injuries). .... (V01–X59,Y85–Y86)	510	26.9	4.8
2	Intentional self-harm (suicide). .... (*U03,X60–X84,Y87.0)	331	17.5	3.1
3	Malignant neoplasms. .... (C00–C97)	221	11.7	2.1
4	Assault (homicide). .... (*U01–*U02,X85–Y09,Y87.1)	140	7.4	1.3
5	Congenital malformations, deformations and chromosomal abnormalities. .... (Q00–Q99)	106	5.6	1.0
6	Chronic lower respiratory diseases. .... (J40–J47)	54	2.8	0.5
7	Diseases of heart. .... (I00–I09,I11,I13,I20–I51)	43	2.3	0.4
8	Influenza and pneumonia. .... (J09–J18)	30	1.6	0.3
9	Cerebrovascular diseases. .... (I60–I69)	24	1.3	0.2
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior. .... (D00–D48)	17	0.9	*
...	All other causes. .... (residual)	420	22.2	4.0
All races and origins, male, 15–19 years				
...	All causes. ....	7,361	100.0	68.5
1	Accidents (unintentional injuries). .... (V01–X59,Y85–Y86)	2,464	33.5	22.9
2	Intentional self-harm (suicide). .... (*U03,X60–X84,Y87.0)	1,699	23.1	15.8
3	Assault (homicide). .... (*U01–*U02,X85–Y09,Y87.1)	1,615	21.9	15.0
4	Malignant neoplasms. .... (C00–C97)	352	4.8	3.3
5	Diseases of heart. .... (I00–I09,I11,I13,I20–I51)	169	2.3	1.6
6	Congenital malformations, deformations and chromosomal abnormalities. .... (Q00–Q99)	112	1.5	1.0
7	Chronic lower respiratory diseases. .... (J40–J47)	41	0.6	0.4
8	Influenza and pneumonia. .... (J09–J18)	37	0.5	0.3
9	Cerebrovascular diseases. .... (I60–I69)	36	0.5	0.3
10	Legal intervention. .... (Y35,Y89.0)	32	0.4	0.3
...	All other causes. .... (residual)	804	10.9	7.5
All races and origins, male, 20–24 years				
...	All causes. ....	14,387	100.0	130.0
1	Accidents (unintentional injuries). .... (V01–X59,Y85–Y86)	6,065	42.2	54.8
2	Intentional self-harm (suicide). .... (*U03,X60–X84,Y87.0)	3,101	21.6	28.0
3	Assault (homicide). .... (*U01–*U02,X85–Y09,Y87.1)	2,466	17.1	22.3
4	Malignant neoplasms. .... (C00–C97)	475	3.3	4.3
5	Diseases of heart. .... (I00–I09,I11,I13,I20–I51)	357	2.5	3.2
6	Diabetes mellitus. .... (E10–E14)	114	0.8	1.0
7	Congenital malformations, deformations and chromosomal abnormalities. .... (Q00–Q99)	109	0.8	1.0
8	Chronic lower respiratory diseases. .... (J40–J47)	68	0.5	0.6
9	Legal intervention. .... (Y35,Y89.0)	60	0.4	0.5
10	Cerebrovascular diseases. .... (I60–I69)	57	0.4	0.5
...	All other causes. .... (residual)	1,515	10.5	13.7

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
All races and origins, male, 25–34 years				
...	All causes.....	41,351	100.0	177.0
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	17,918	43.3	76.7
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	6,533	15.8	28.0
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	4,534	11.0	19.4
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	2,328	5.6	10.0
5	Malignant neoplasms..... (C00–C97)	1,744	4.2	7.5
6	Chronic liver disease and cirrhosis..... (K70,K73–K74)	694	1.7	3.0
7	Diabetes mellitus..... (E10–E14)	562	1.4	2.4
8	Human immunodeficiency virus (HIV) disease..... (B20–B24)	374	0.9	1.6
9	Cerebrovascular diseases..... (I60–I69)	309	0.7	1.3
10	Influenza and pneumonia..... (J09–J18)	254	0.6	1.1
...	All other causes..... (residual)	6,101	14.8	26.1
All races and origins, male, 35–44 years				
...	All causes.....	53,436	100.0	257.0
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	17,476	32.7	84.1
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	7,190	13.5	34.6
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	5,815	10.9	28.0
4	Malignant neoplasms..... (C00–C97)	4,521	8.5	21.7
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	2,758	5.2	13.3
6	Chronic liver disease and cirrhosis..... (K70,K73–K74)	2,160	4.0	10.4
7	Diabetes mellitus..... (E10–E14)	1,395	2.6	6.7
8	Cerebrovascular diseases..... (I60–I69)	959	1.8	4.6
9	Influenza and pneumonia..... (J09–J18)	524	1.0	2.5
10	Human immunodeficiency virus (HIV) disease..... (B20–B24)	461	0.9	2.2
...	All other causes..... (residual)	10,177	19.0	48.9
All races and origins, male, 45–54 years				
...	All causes.....	98,847	100.0	490.0
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	21,997	22.3	109.0
2	Malignant neoplasms..... (C00–C97)	17,058	17.3	84.6
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	16,547	16.7	82.0
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	5,856	5.9	29.0
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	5,220	5.3	25.9
6	Diabetes mellitus..... (E10–E14)	4,091	4.1	20.3
7	Cerebrovascular diseases..... (I60–I69)	2,955	3.0	14.6
8	Chronic lower respiratory diseases..... (J40–J47)	1,615	1.6	8.0
9	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	1,553	1.6	7.7
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1,349	1.4	6.7
...	All other causes..... (residual)	20,606	20.8	102.2
All races and origins, male, 55–64 years				
...	All causes.....	227,925	100.0	1,111.9
1	Malignant neoplasms..... (C00–C97)	60,385	26.5	294.6
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	55,906	24.5	272.7
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	17,659	7.7	86.1
4	Diabetes mellitus..... (E10–E14)	9,745	4.3	47.5
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	9,612	4.2	46.9
6	Chronic lower respiratory diseases..... (J40–J47)	9,407	4.1	45.9
7	Cerebrovascular diseases..... (I60–I69)	7,530	3.3	36.7
8	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	6,290	2.8	30.7
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	3,513	1.5	17.1
10	Septicemia..... (A40–A41)	3,065	1.3	15.0
...	All other causes..... (residual)	44,813	19.7	218.6

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
All races and origins, male, 65 years and over				
...	All causes.....	1,013,512	100.0	4,209.9
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	269,477	26.6	1,119.4
2	Malignant neoplasms..... (C00–C97)	230,736	22.8	958.4
3	Chronic lower respiratory diseases..... (J40–J47)	61,967	6.1	257.4
4	Cerebrovascular diseases..... (I60–I69)	52,368	5.2	217.5
5	Alzheimer disease..... (G30)	37,381	3.7	155.3
6	Diabetes mellitus..... (E10–E14)	33,565	3.3	139.4
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	32,229	3.2	133.9
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	21,158	2.1	87.9
9	Parkinson disease..... (G20–G21)	21,015	2.1	87.3
10	Influenza and pneumonia..... (J09–J18)	19,359	1.9	80.4
...	All other causes..... (residual)	234,257	23.1	973.1
All races and origins, male, 65–74 years				
...	All causes.....	320,247	100.0	2,178.6
1	Malignant neoplasms..... (C00–C97)	94,622	29.5	643.7
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	78,970	24.7	537.2
3	Chronic lower respiratory diseases..... (J40–J47)	20,243	6.3	137.7
4	Diabetes mellitus..... (E10–E14)	13,876	4.3	94.4
5	Cerebrovascular diseases..... (I60–I69)	12,977	4.1	88.3
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	11,379	3.6	77.4
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	6,643	2.1	45.2
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	6,021	1.9	41.0
9	Influenza and pneumonia..... (J09–J18)	4,768	1.5	32.4
10	Septicemia..... (A40–A41)	4,540	1.4	30.9
...	All other causes..... (residual)	66,208	20.7	450.4
All races and origins, male, 75–84 years				
...	All causes.....	355,100	100.0	5,074.1
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	88,262	24.9	1,261.2
2	Malignant neoplasms..... (C00–C97)	86,248	24.3	1,232.4
3	Chronic lower respiratory diseases..... (J40–J47)	24,181	6.8	345.5
4	Cerebrovascular diseases..... (I60–I69)	18,681	5.3	266.9
5	Alzheimer disease..... (G30)	12,695	3.6	181.4
6	Diabetes mellitus..... (E10–E14)	12,105	3.4	173.0
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	10,338	2.9	147.7
8	Parkinson disease..... (G20–G21)	9,627	2.7	137.6
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	7,623	2.1	108.9
10	Influenza and pneumonia..... (J09–J18)	6,581	1.9	94.0
...	All other causes..... (residual)	78,759	22.2	1,125.4
All races and origins, male, 85 years and over				
...	All causes.....	338,165	100.0	14,229.6
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	102,245	30.2	4,302.4
2	Malignant neoplasms..... (C00–C97)	49,866	14.7	2,098.3
3	Alzheimer disease..... (G30)	21,510	6.4	905.1
4	Cerebrovascular diseases..... (I60–I69)	20,710	6.1	871.5
5	Chronic lower respiratory diseases..... (J40–J47)	17,543	5.2	738.2
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	10,512	3.1	442.3
7	Influenza and pneumonia..... (J09–J18)	8,010	2.4	337.1
8	Parkinson disease..... (G20–G21)	7,846	2.3	330.2
9	Diabetes mellitus..... (E10–E14)	7,584	2.2	319.1
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	7,514	2.2	316.2
...	All other causes..... (residual)	84,825	25.1	3,569.3



**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
All races and origins, female, all ages <sup>4</sup>				
...	All causes.....	1,381,015	100.0	829.0
1	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	301,280	21.8	180.9
2	Malignant neoplasms..... (C00-C97)	283,725	20.5	170.3
3	Cerebrovascular diseases..... (I60-I69)	85,658	6.2	51.4
4	Alzheimer disease..... (G30)	83,516	6.0	50.1
5	Chronic lower respiratory diseases..... (J40-J47)	83,255	6.0	50.0
6	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	60,320	4.4	36.2
7	Diabetes mellitus..... (E10-E14)	38,135	2.8	22.9
8	Influenza and pneumonia..... (J09-J18)	25,139	1.8	15.1
9	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	24,896	1.8	14.9
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	19,911	1.4	12.0
...	All other causes..... (residual)	375,180	27.2	225.2
All races and origins, female, 1-4 years				
...	All causes.....	1,635	100.0	21.2
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	477	29.2	6.2
2	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	207	12.7	2.7
3	Malignant neoplasms..... (C00-C97)	135	8.3	1.7
4	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	122	7.5	1.6
5	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	61	3.7	0.8
6	Influenza and pneumonia..... (J09-J18)	58	3.5	0.8
7	Certain conditions originating in the perinatal period..... (P00-P96)	32	2.0	0.4
8	Septicemia..... (A40-A41)	29	1.8	0.4
9	Cerebrovascular diseases..... (I60-I69)	22	1.3	0.3
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00-D48)	20	1.2	0.3
...	All other causes..... (residual)	472	28.9	6.1
All races and origins, female, 5-9 years				
...	All causes.....	1,043	100.0	10.6
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	297	28.5	3.0
2	Malignant neoplasms..... (C00-C97)	178	17.1	1.8
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	86	8.2	0.9
4	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	58	5.6	0.6
5	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	48	4.6	0.5
6	Influenza and pneumonia..... (J09-J18)	28	2.7	0.3
7	Chronic lower respiratory diseases..... (J40-J47)	23	2.2	0.2
8	Septicemia..... (A40-A41)	22	2.1	0.2
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00-D48)	19	1.8	*
10	Cerebrovascular diseases..... (I60-I69)	17	1.6	*
...	All other causes..... (residual)	267	25.6	2.7
All races and origins, female, 10-14 years				
...	All causes.....	1,268	100.0	12.5
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	268	21.1	2.6
2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	203	16.0	2.0
3	Malignant neoplasms..... (C00-C97)	183	14.4	1.8
4	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	83	6.5	0.8
5	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	51	4.0	0.5
6	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	44	3.5	0.4
7	Influenza and pneumonia..... (J09-J18)	41	3.2	0.4
8	Chronic lower respiratory diseases..... (J40-J47)	27	2.1	0.3
9	Cerebrovascular diseases..... (I60-I69)	24	1.9	0.2
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00-D48)	18	1.4	*
...	All other causes..... (residual)	326	25.7	3.2

**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, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
All races and origins, female, 15–19 years				
...	All causes.....	2,897	100.0	28.1
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,073	37.0	10.4
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	511	17.6	5.0
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	262	9.0	2.5
4	Malignant neoplasms..... (C00–C97)	237	8.2	2.3
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	119	4.1	1.2
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	76	2.6	0.7
7	Influenza and pneumonia..... (J09–J18)	34	1.2	0.3
8	Diabetes mellitus..... (E10–E14)	32	1.1	0.3
9	Pregnancy, childbirth and the puerperium..... (O00–O99)	24	0.8	0.2
10	Cerebrovascular diseases..... (I60–I69)	22	0.8	0.2
...	All other causes..... (residual)	507	17.5	4.9
All races and origins, female, 20–24 years				
...	All causes.....	5,126	100.0	48.5
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	2,153	42.0	20.4
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	643	12.5	6.1
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	431	8.4	4.1
4	Malignant neoplasms..... (C00–C97)	324	6.3	3.1
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	227	4.4	2.1
6	Pregnancy, childbirth and the puerperium..... (O00–O99)	126	2.5	1.2
7	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	93	1.8	0.9
8	Diabetes mellitus..... (E10–E14)	75	1.5	0.7
9	Influenza and pneumonia..... (J09–J18)	50	1.0	0.5
10	Cerebrovascular diseases..... (I60–I69)	43	0.8	0.4
...	All other causes..... (residual)	961	18.7	9.1
All races and origins, female, 25–34 years				
...	All causes.....	17,827	100.0	78.9
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	6,598	37.0	29.2
2	Malignant neoplasms..... (C00–C97)	1,833	10.3	8.1
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,526	8.6	6.8
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1,167	6.5	5.2
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	807	4.5	3.6
6	Pregnancy, childbirth and the puerperium..... (O00–O99)	532	3.0	2.4
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	418	2.3	1.9
8	Diabetes mellitus..... (E10–E14)	325	1.8	1.4
9	Cerebrovascular diseases..... (I60–I69)	276	1.5	1.2
10	Influenza and pneumonia..... (J09–J18)	210	1.2	0.9
...	All other causes..... (residual)	4,135	23.2	18.3
All races and origins, female, 35–44 years				
...	All causes.....	29,550	100.0	141.6
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	6,594	22.3	31.6
2	Malignant neoplasms..... (C00–C97)	6,174	20.9	29.6
3	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	3,309	11.2	15.9
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,710	5.8	8.2
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	1,257	4.3	6.0
6	Diabetes mellitus..... (E10–E14)	833	2.8	4.0
7	Cerebrovascular diseases..... (I60–I69)	782	2.6	3.7
8	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	688	2.3	3.3
9	Influenza and pneumonia..... (J09–J18)	427	1.4	2.0
10	Pregnancy, childbirth and the puerperium..... (O00–O99)	398	1.3	1.9
...	All other causes..... (residual)	7,378	25.0	35.4

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
All races and origins, female, 45–54 years				
...	All causes.....	61,546	100.0	297.3
1	Malignant neoplasms..... (C00–C97)	18,529	30.1	89.5
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	9,141	14.9	44.2
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	6,812	11.1	32.9
4	Chronic liver disease and cirrhosis..... (K70,K73–K74)	2,878	4.7	13.9
5	Diabetes mellitus..... (E10–E14)	2,257	3.7	10.9
6	Cerebrovascular diseases..... (I60–I69)	2,198	3.6	10.6
7	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	2,156	3.5	10.4
8	Chronic lower respiratory diseases..... (J40–J47)	1,977	3.2	9.5
9	Septicemia..... (A40–A41)	1,019	1.7	4.9
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	920	1.5	4.4
...	All other causes..... (residual)	13,659	22.2	66.0
All races and origins, female, 55–64 years				
...	All causes.....	147,012	100.0	669.8
1	Malignant neoplasms..... (C00–C97)	51,380	34.9	234.1
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	24,931	17.0	113.6
3	Chronic lower respiratory diseases..... (J40–J47)	9,336	6.4	42.5
4	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	7,233	4.9	33.0
5	Diabetes mellitus..... (E10–E14)	5,763	3.9	26.3
6	Cerebrovascular diseases..... (I60–I69)	5,401	3.7	24.6
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	4,773	3.2	21.7
8	Septicemia..... (A40–A41)	2,607	1.8	11.9
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	2,344	1.6	10.7
10	Influenza and pneumonia..... (J09–J18)	2,307	1.6	10.5
...	All other causes..... (residual)	30,937	21.0	140.9
All races and origins, female, 65 years and over				
...	All causes.....	1,103,820	100.0	3,681.4
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	262,106	23.7	874.2
2	Malignant neoplasms..... (C00–C97)	204,726	18.5	682.8
3	Alzheimer disease..... (G30)	82,709	7.5	275.8
4	Cerebrovascular diseases..... (I60–I69)	76,825	7.0	256.2
5	Chronic lower respiratory diseases..... (J40–J47)	71,279	6.5	237.7
6	Diabetes mellitus..... (E10–E14)	28,832	2.6	96.2
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	28,298	2.6	94.4
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	21,072	1.9	70.3
9	Influenza and pneumonia..... (J09–J18)	21,040	1.9	70.2
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	17,705	1.6	59.0
...	All other causes..... (residual)	289,228	26.2	964.6
All races and origins, female, 65–74 years				
...	All causes.....	235,312	100.0	1,402.0
1	Malignant neoplasms..... (C00–C97)	76,440	32.5	455.4
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	43,451	18.5	258.9
3	Chronic lower respiratory diseases..... (J40–J47)	18,995	8.1	113.2
4	Cerebrovascular diseases..... (I60–I69)	11,074	4.7	66.0
5	Diabetes mellitus..... (E10–E14)	9,193	3.9	54.8
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	5,784	2.5	34.5
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	4,917	2.1	29.3
8	Alzheimer disease..... (G30)	4,660	2.0	27.8
9	Septicemia..... (A40–A41)	4,270	1.8	25.4
10	Influenza and pneumonia..... (J09–J18)	3,835	1.6	22.8
...	All other causes..... (residual)	52,693	22.4	314.0

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
All races and origins, female, 75–84 years				
...	All causes.....	332,927	100.0	3,710.9
1	Malignant neoplasms..... (C00–C97)	74,391	22.3	829.2
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	70,025	21.0	780.5
3	Chronic lower respiratory diseases..... (J40–J47)	26,610	8.0	296.6
4	Cerebrovascular diseases..... (I60–I69)	21,911	6.6	244.2
5	Alzheimer disease..... (G30)	20,871	6.3	232.6
6	Diabetes mellitus..... (E10–E14)	10,080	3.0	112.4
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	8,100	2.4	90.3
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	7,097	2.1	79.1
9	Influenza and pneumonia..... (J09–J18)	5,751	1.7	64.1
10	Parkinson disease..... (G20–G21)	5,275	1.6	58.8
...	All other causes..... (residual)	82,816	24.9	923.1
All races and origins, female, 85 years and over				
...	All causes.....	535,581	100.0	12,666.1
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	148,630	27.8	3,515.0
2	Alzheimer disease..... (G30)	57,178	10.7	1,352.2
3	Malignant neoplasms..... (C00–C97)	53,895	10.1	1,274.6
4	Cerebrovascular diseases..... (I60–I69)	43,840	8.2	1,036.8
5	Chronic lower respiratory diseases..... (J40–J47)	25,674	4.8	607.2
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	14,414	2.7	340.9
7	Influenza and pneumonia..... (J09–J18)	11,454	2.1	270.9
8	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	10,129	1.9	239.5
9	Diabetes mellitus..... (E10–E14)	9,559	1.8	226.1
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	9,058	1.7	214.2
...	All other causes..... (residual)	151,750	28.3	3,588.8
Non-Hispanic white, both sexes, all ages <sup>4</sup>				
...	All causes.....	2,183,844	100.0	1,106.8
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	512,600	23.5	259.8
2	Malignant neoplasms..... (C00–C97)	460,950	21.1	233.6
3	Chronic lower respiratory diseases..... (J40–J47)	136,136	6.2	69.0
4	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	125,151	5.7	63.4
5	Cerebrovascular diseases..... (I60–I69)	110,804	5.1	56.2
6	Alzheimer disease..... (G30)	100,371	4.6	50.9
7	Diabetes mellitus..... (E10–E14)	57,168	2.6	29.0
8	Influenza and pneumonia..... (J09–J18)	38,066	1.7	19.3
9	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	37,428	1.7	19.0
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	35,081	1.6	17.8
...	All other causes..... (residual)	570,089	26.1	288.9
Non-Hispanic white, both sexes, 1–4 years				
...	All causes.....	1,637	100.0	20.9
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	569	34.8	7.3
2	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	195	11.9	2.5
3	Malignant neoplasms..... (C00–C97)	127	7.8	1.6
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	104	6.4	1.3
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	59	3.6	0.8
6	Influenza and pneumonia..... (J09–J18)	47	2.9	0.6
7	Septicemia..... (A40–A41)	27	1.6	0.3
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	26	1.6	0.3
9	Certain conditions originating in the perinatal period..... (P00–P96)	21	1.3	0.3
10	Cerebrovascular diseases..... (I60–I69)	17	1.0	*
...	All other causes..... (residual)	445	27.2	5.7

**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, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic white, both sexes, 5–9 years				
...	All causes.....	1,023	100.0	10.2
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	325	31.8	3.2
2	Malignant neoplasms..... (C00–C97)	177	17.3	1.8
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	93	9.1	0.9
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	48	4.7	0.5
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	41	4.0	0.4
6	Influenza and pneumonia..... (J09–J18)	22	2.2	0.2
7	Septicemia..... (A40–A41)	18	1.8	*
8	Cerebrovascular diseases..... (I60–I69)	17	1.7	*
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	13	1.3	*
9	Chronic lower respiratory diseases..... (J40–J47)	13	1.3	*
...	All other causes..... (residual)	256	25.0	2.6
Non-Hispanic white, both sexes, 10–14 years				
...	All causes.....	1,602	100.0	15.3
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	422	26.3	4.0
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	332	20.7	3.2
3	Malignant neoplasms..... (C00–C97)	193	12.0	1.8
4	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	106	6.6	1.0
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	48	3.0	0.5
6	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	48	3.0	0.5
7	Influenza and pneumonia..... (J09–J18)	39	2.4	0.4
8	Chronic lower respiratory diseases..... (J40–J47)	21	1.3	0.2
9	Cerebrovascular diseases..... (I60–I69)	20	1.2	0.2
10	Complications of medical and surgical care..... (Y40–Y84,Y88)	15	0.9	*
...	All other causes..... (residual)	358	22.3	3.4
Non-Hispanic white, both sexes, 15–19 years				
...	All causes.....	4,804	100.0	43.5
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,935	40.3	17.5
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,354	28.2	12.3
3	Malignant neoplasms..... (C00–C97)	294	6.1	2.7
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	246	5.1	2.2
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	131	2.7	1.2
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	103	2.1	0.9
7	Influenza and pneumonia..... (J09–J18)	38	0.8	0.3
8	Diabetes mellitus..... (E10–E14)	33	0.7	0.3
9	Cerebrovascular diseases..... (I60–I69)	25	0.5	0.2
10	Septicemia..... (A40–A41)	18	0.4	*
10	Chronic lower respiratory diseases..... (J40–J47)	18	0.4	*
...	All other causes..... (residual)	609	12.7	5.5
Non-Hispanic white, both sexes, 20–24 years				
...	All causes.....	9,831	100.0	84.9
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	4,844	49.3	41.9
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	2,290	23.3	19.8
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	412	4.2	3.6
4	Malignant neoplasms..... (C00–C97)	379	3.9	3.3
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	287	2.9	2.5
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	111	1.1	1.0
7	Diabetes mellitus..... (E10–E14)	100	1.0	0.9
8	Influenza and pneumonia..... (J09–J18)	54	0.5	0.5
9	Pregnancy, childbirth and the puerperium..... (O00–O99)	49	0.5	0.4
10	Cerebrovascular diseases..... (I60–I69)	48	0.5	0.4
...	All other causes..... (residual)	1,257	12.8	10.9

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic white, both sexes, 25–34 years				
...	All causes.....	33,845	100.0	134.5
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	16,253	48.0	64.6
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	5,465	16.1	21.7
3	Malignant neoplasms..... (C00–C97)	1,906	5.6	7.6
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1,761	5.2	7.0
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	986	2.9	3.9
6	Chronic liver disease and cirrhosis..... (K70,K73–K74)	629	1.9	2.5
7	Diabetes mellitus..... (E10–E14)	426	1.3	1.7
8	Cerebrovascular diseases..... (I60–I69)	265	0.8	1.1
9	Influenza and pneumonia..... (J09–J18)	243	0.7	1.0
10	Pregnancy, childbirth and the puerperium..... (O00–O99)	240	0.7	1.0
...	All other causes..... (residual)	5,671	16.8	22.5
Non-Hispanic white, both sexes, 35–44 years				
...	All causes.....	49,699	100.0	210.9
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	16,325	32.8	69.3
2	Malignant neoplasms..... (C00–C97)	6,151	12.4	26.1
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	5,763	11.6	24.5
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	5,601	11.3	23.8
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	2,108	4.2	8.9
6	Diabetes mellitus..... (E10–E14)	1,103	2.2	4.7
7	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	1,002	2.0	4.3
8	Cerebrovascular diseases..... (I60–I69)	798	1.6	3.4
9	Influenza and pneumonia..... (J09–J18)	538	1.1	2.3
10	Septicemia..... (A40–A41)	449	0.9	1.9
...	All other causes..... (residual)	9,861	19.8	41.9
Non-Hispanic white, both sexes, 45–54 years				
...	All causes.....	102,752	100.0	408.4
1	Malignant neoplasms..... (C00–C97)	23,258	22.6	92.5
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	19,308	18.8	76.7
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	15,847	15.4	63.0
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	6,584	6.4	26.2
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	5,558	5.4	22.1
6	Diabetes mellitus..... (E10–E14)	3,425	3.3	13.6
7	Chronic lower respiratory diseases..... (J40–J47)	2,777	2.7	11.0
8	Cerebrovascular diseases..... (I60–I69)	2,578	2.5	10.2
9	Influenza and pneumonia..... (J09–J18)	1,280	1.2	5.1
10	Septicemia..... (A40–A41)	1,255	1.2	5.0
...	All other causes..... (residual)	20,882	20.3	83.0
Non-Hispanic white, both sexes, 55–64 years				
...	All causes.....	263,160	100.0	892.1
1	Malignant neoplasms..... (C00–C97)	80,503	30.6	272.9
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	55,189	21.0	187.1
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	17,262	6.6	58.5
4	Chronic lower respiratory diseases..... (J40–J47)	15,578	5.9	52.8
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	10,472	4.0	35.5
6	Diabetes mellitus..... (E10–E14)	9,429	3.6	32.0
7	Cerebrovascular diseases..... (I60–I69)	7,734	2.9	26.2
8	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	7,234	2.7	24.5
9	Septicemia..... (A40–A41)	3,738	1.4	12.7
10	Influenza and pneumonia..... (J09–J18)	3,618	1.4	12.3
...	All other causes..... (residual)	52,403	19.9	177.7

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic white, both sexes, 65 years and over				
...	All causes.....	1,707,073	100.0	4,147.8
1	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	430,037	25.2	1,044.9
2	Malignant neoplasms..... (C00-C97)	347,924	20.4	845.4
3	Chronic lower respiratory diseases..... (J40-J47)	117,141	6.9	284.6
4	Alzheimer disease..... (G30)	99,267	5.8	241.2
5	Cerebrovascular diseases..... (I60-I69)	99,255	5.8	241.2
6	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	50,777	3.0	123.4
7	Diabetes mellitus..... (E10-E14)	42,639	2.5	103.6
8	Influenza and pneumonia..... (J09-J18)	32,134	1.9	78.1
9	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	30,311	1.8	73.6
10	Parkinson disease..... (G20-G21)	29,586	1.7	71.9
...	All other causes..... (residual)	428,002	25.1	1,039.9
Non-Hispanic white, both sexes, 65-74 years				
...	All causes.....	420,378	100.0	1,783.6
1	Malignant neoplasms..... (C00-C97)	131,849	31.4	559.4
2	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	90,801	21.6	385.3
3	Chronic lower respiratory diseases..... (J40-J47)	34,015	8.1	144.3
4	Cerebrovascular diseases..... (I60-I69)	16,327	3.9	69.3
5	Diabetes mellitus..... (E10-E14)	15,129	3.6	64.2
6	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	12,987	3.1	55.1
7	Chronic liver disease and cirrhosis..... (K70,K73-K74)	7,750	1.8	32.9
8	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	6,879	1.6	29.2
9	Septicemia..... (A40-A41)	6,352	1.5	27.0
10	Influenza and pneumonia..... (J09-J18)	6,333	1.5	26.9
...	All other causes..... (residual)	91,956	21.9	390.2
Non-Hispanic white, both sexes, 75-84 years				
...	All causes.....	552,717	100.0	4,468.3
1	Malignant neoplasms..... (C00-C97)	130,020	23.5	1,051.1
2	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	125,885	22.8	1,017.7
3	Chronic lower respiratory diseases..... (J40-J47)	45,000	8.1	363.8
4	Cerebrovascular diseases..... (I60-I69)	30,587	5.5	247.3
5	Alzheimer disease..... (G30)	27,675	5.0	223.7
6	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	15,537	2.8	125.6
7	Diabetes mellitus..... (E10-E14)	15,122	2.7	122.3
8	Parkinson disease..... (G20-G21)	12,793	2.3	103.4
9	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	10,418	1.9	84.2
10	Influenza and pneumonia..... (J09-J18)	9,712	1.8	78.5
...	All other causes..... (residual)	129,968	23.5	1,050.7
Non-Hispanic white, both sexes, 85 years and over				
...	All causes.....	733,978	100.0	14,067.8
1	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	213,351	29.1	4,089.2
2	Malignant neoplasms..... (C00-C97)	86,055	11.7	1,649.4
3	Alzheimer disease..... (G30)	65,338	8.9	1,252.3
4	Cerebrovascular diseases..... (I60-I69)	52,341	7.1	1,003.2
5	Chronic lower respiratory diseases..... (J40-J47)	38,126	5.2	730.7
6	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	22,253	3.0	426.5
7	Influenza and pneumonia..... (J09-J18)	16,089	2.2	308.4
8	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	13,014	1.8	249.4
9	Diabetes mellitus..... (E10-E14)	12,388	1.7	237.4
10	Parkinson disease..... (G20-G21)	12,318	1.7	236.1
...	All other causes..... (residual)	202,705	27.6	3,885.1

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic white, male, all ages <sup>4</sup>				
...	All causes.....	1,115,767	100.0	1,146.6
1	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	277,283	24.9	284.9
2	Malignant neoplasms..... (C00-C97)	245,380	22.0	252.2
3	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	78,616	7.0	80.8
4	Chronic lower respiratory diseases..... (J40-J47)	62,997	5.6	64.7
5	Cerebrovascular diseases..... (I60-I69)	46,490	4.2	47.8
6	Diabetes mellitus..... (E10-E14)	33,405	3.0	34.3
7	Alzheimer disease..... (G30)	31,615	2.8	32.5
8	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	29,382	2.6	30.2
9	Chronic liver disease and cirrhosis..... (K70,K73-K74)	19,954	1.8	20.5
10	Influenza and pneumonia..... (J09-J18)	18,696	1.7	19.2
...	All other causes..... (residual)	271,949	24.4	279.5
Non-Hispanic white, male, 1-4 years				
...	All causes.....	937	100.0	23.4
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	338	36.1	8.4
2	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	103	11.0	2.6
3	Malignant neoplasms..... (C00-C97)	72	7.7	1.8
4	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	55	5.9	1.4
5	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	31	3.3	0.8
6	Influenza and pneumonia..... (J09-J18)	25	2.7	0.6
7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00-D48)	17	1.8	*
8	Septicemia..... (A40-A41)	13	1.4	*
9	Cerebrovascular diseases..... (I60-I69)	10	1.1	*
9	Certain conditions originating in the perinatal period..... (P00-P96)	10	1.1	*
...	All other causes..... (residual)	263	28.1	6.6
Non-Hispanic white, male, 5-9 years				
...	All causes.....	580	100.0	11.3
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	194	33.4	3.8
2	Malignant neoplasms..... (C00-C97)	94	16.2	1.8
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	52	9.0	1.0
4	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	31	5.3	0.6
5	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	22	3.8	0.4
6	Cerebrovascular diseases..... (I60-I69)	10	1.7	*
6	Influenza and pneumonia..... (J09-J18)	10	1.7	*
8	Chronic lower respiratory diseases..... (J40-J47)	8	1.4	*
9	Certain conditions originating in the perinatal period..... (P00-P96)	5	0.9	*
10	Septicemia..... (A40-A41)	4	0.7	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00-D48)	4	0.7	*
...	All other causes..... (residual)	146	25.2	2.8
Non-Hispanic white, male, 10-14 years				
...	All causes.....	943	100.0	17.6
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	268	28.4	5.0
2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	208	22.1	3.9
3	Malignant neoplasms..... (C00-C97)	104	11.0	1.9
4	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	66	7.0	1.2
5	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	31	3.3	0.6
6	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	20	2.1	0.4
7	Chronic lower respiratory diseases..... (J40-J47)	14	1.5	*
8	Influenza and pneumonia..... (J09-J18)	13	1.4	*
9	Cerebrovascular diseases..... (I60-I69)	12	1.3	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00-D48)	8	0.8	*
...	All other causes..... (residual)	199	21.1	3.7



**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic white, male, 15–19 years				
...	All causes.....	3,263	100.0	57.6
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,298	39.8	22.9
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,046	32.1	18.5
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	181	5.5	3.2
4	Malignant neoplasms..... (C00–C97)	175	5.4	3.1
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	70	2.1	1.2
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	62	1.9	1.1
7	Influenza and pneumonia..... (J09–J18)	20	0.6	0.4
8	Diabetes mellitus..... (E10–E14)	15	0.5	*
9	Cerebrovascular diseases..... (I60–I69)	14	0.4	*
10	Chronic lower respiratory diseases..... (J40–J47)	12	0.4	*
...	All other causes..... (residual)	370	11.3	6.5
Non-Hispanic white, male, 20–24 years				
...	All causes.....	7,086	100.0	119.3
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	3,518	49.6	59.2
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,924	27.2	32.4
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	293	4.1	4.9
4	Malignant neoplasms..... (C00–C97)	223	3.1	3.8
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	180	2.5	3.0
6	Diabetes mellitus..... (E10–E14)	64	0.9	1.1
7	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	58	0.8	1.0
8	Cerebrovascular diseases..... (I60–I69)	28	0.4	0.5
9	Influenza and pneumonia..... (J09–J18)	27	0.4	0.5
10	Septicemia..... (A40–A41)	25	0.4	0.4
...	All other causes..... (residual)	746	10.5	12.6
Non-Hispanic white, male, 25–34 years				
...	All causes.....	23,165	100.0	180.9
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	11,657	50.3	91.0
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	4,439	19.2	34.7
3	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1,157	5.0	9.0
4	Malignant neoplasms..... (C00–C97)	929	4.0	7.3
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	702	3.0	5.5
6	Chronic liver disease and cirrhosis..... (K70,K73–K74)	371	1.6	2.9
7	Diabetes mellitus..... (E10–E14)	281	1.2	2.2
8	Cerebrovascular diseases..... (I60–I69)	135	0.6	1.1
9	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	128	0.6	1.0
10	Influenza and pneumonia..... (J09–J18)	125	0.5	1.0
...	All other causes..... (residual)	3,241	14.0	25.3
Non-Hispanic white, male, 35–44 years				
...	All causes.....	31,957	100.0	269.5
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	11,609	36.3	97.9
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	4,431	13.9	37.4
3	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	3,862	12.1	32.6
4	Malignant neoplasms..... (C00–C97)	2,690	8.4	22.7
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	1,305	4.1	11.0
6	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	711	2.2	6.0
7	Diabetes mellitus..... (E10–E14)	691	2.2	5.8
8	Cerebrovascular diseases..... (I60–I69)	427	1.3	3.6
9	Influenza and pneumonia..... (J09–J18)	278	0.9	2.3
10	Septicemia..... (A40–A41)	241	0.8	2.0
...	All other causes..... (residual)	5,712	17.9	48.2

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic white, male, 45–54 years				
...	All causes.....	63,368	100.0	504.6
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	13,831	21.8	110.1
2	Malignant neoplasms..... (C00–C97)	11,484	18.1	91.5
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	10,932	17.3	87.1
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	4,806	7.6	38.3
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	3,460	5.5	27.6
6	Diabetes mellitus..... (E10–E14)	2,264	3.6	18.0
7	Cerebrovascular diseases..... (I60–I69)	1,439	2.3	11.5
8	Chronic lower respiratory diseases..... (J40–J47)	1,221	1.9	9.7
9	Influenza and pneumonia..... (J09–J18)	714	1.1	5.7
10	Septicemia..... (A40–A41)	649	1.0	5.2
...	All other causes..... (residual)	12,568	19.8	100.1
Non-Hispanic white, male, 55–64 years				
...	All causes.....	160,514	100.0	1,113.8
1	Malignant neoplasms..... (C00–C97)	44,049	27.4	305.7
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	38,747	24.1	268.9
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	11,927	7.4	82.8
4	Chronic lower respiratory diseases..... (J40–J47)	7,738	4.8	53.7
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	6,895	4.3	47.8
6	Diabetes mellitus..... (E10–E14)	6,157	3.8	42.7
7	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	5,531	3.4	38.4
8	Cerebrovascular diseases..... (I60–I69)	4,485	2.8	31.1
9	Influenza and pneumonia..... (J09–J18)	2,039	1.3	14.1
10	Septicemia..... (A40–A41)	2,034	1.3	14.1
...	All other causes..... (residual)	30,912	19.3	214.5
Non-Hispanic white, male, 65 years and over				
...	All causes.....	819,195	100.0	4,402.9
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	219,278	26.8	1,178.5
2	Malignant neoplasms..... (C00–C97)	185,535	22.6	997.2
3	Chronic lower respiratory diseases..... (J40–J47)	53,733	6.6	288.8
4	Cerebrovascular diseases..... (I60–I69)	39,905	4.9	214.5
5	Alzheimer disease..... (G30)	31,146	3.8	167.4
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	26,520	3.2	142.5
7	Diabetes mellitus..... (E10–E14)	23,925	2.9	128.6
8	Parkinson disease..... (G20–G21)	18,194	2.2	97.8
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	15,527	1.9	83.5
10	Influenza and pneumonia..... (J09–J18)	15,416	1.9	82.9
...	All other causes..... (residual)	190,016	23.2	1,021.3
Non-Hispanic white, male, 65–74 years				
...	All causes.....	243,812	100.0	2,178.7
1	Malignant neoplasms..... (C00–C97)	73,321	30.1	655.2
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	59,585	24.4	532.5
3	Chronic lower respiratory diseases..... (J40–J47)	17,371	7.1	155.2
4	Diabetes mellitus..... (E10–E14)	9,429	3.9	84.3
5	Cerebrovascular diseases..... (I60–I69)	8,786	3.6	78.5
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	8,487	3.5	75.8
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	4,932	2.0	44.1
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	3,815	1.6	34.1
9	Influenza and pneumonia..... (J09–J18)	3,516	1.4	31.4
10	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	3,515	1.4	31.4
...	All other causes..... (residual)	51,055	20.9	456.2

**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, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic white, male, 75–84 years				
...	All causes.....	288,331	100.0	5,226.0
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	71,445	24.8	1,294.9
2	Malignant neoplasms..... (C00–C97)	70,402	24.4	1,276.0
3	Chronic lower respiratory diseases..... (J40–J47)	21,102	7.3	382.5
4	Cerebrovascular diseases..... (I60–I69)	14,210	4.9	257.6
5	Alzheimer disease..... (G30)	10,527	3.7	190.8
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	8,719	3.0	158.0
7	Diabetes mellitus..... (E10–E14)	8,699	3.0	157.7
8	Parkinson disease..... (G20–G21)	8,327	2.9	150.9
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	5,602	1.9	101.5
10	Influenza and pneumonia..... (J09–J18)	5,227	1.8	94.7
...	All other causes..... (residual)	64,071	22.2	1,161.3
Non-Hispanic white, male, 85 years and over				
...	All causes.....	287,052	100.0	15,123.0
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	88,248	30.7	4,649.2
2	Malignant neoplasms..... (C00–C97)	41,812	14.6	2,202.8
3	Alzheimer disease..... (G30)	18,069	6.3	951.9
4	Cerebrovascular diseases..... (I60–I69)	16,909	5.9	890.8
5	Chronic lower respiratory diseases..... (J40–J47)	15,260	5.3	804.0
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	9,314	3.2	490.7
7	Parkinson disease..... (G20–G21)	6,855	2.4	361.1
8	Influenza and pneumonia..... (J09–J18)	6,673	2.3	351.6
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	6,110	2.1	321.9
10	Diabetes mellitus..... (E10–E14)	5,797	2.0	305.4
...	All other causes..... (residual)	72,005	25.1	3,793.5
Non-Hispanic white, female, all ages <sup>4</sup>				
...	All causes.....	1,068,077	100.0	1,068.1
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	235,317	22.0	235.3
2	Malignant neoplasms..... (C00–C97)	215,570	20.2	215.6
3	Chronic lower respiratory diseases..... (J40–J47)	73,139	6.8	73.1
4	Alzheimer disease..... (G30)	68,756	6.4	68.8
5	Cerebrovascular diseases..... (I60–I69)	64,314	6.0	64.3
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	46,535	4.4	46.5
7	Diabetes mellitus..... (E10–E14)	23,763	2.2	23.8
8	Influenza and pneumonia..... (J09–J18)	19,370	1.8	19.4
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	16,723	1.6	16.7
10	Septicemia..... (A40–A41)	14,335	1.3	14.3
...	All other causes..... (residual)	290,255	27.2	290.3
Non-Hispanic white, female, 1–4 years				
...	All causes.....	700	100.0	18.4
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	231	33.0	6.1
2	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	92	13.1	2.4
3	Malignant neoplasms..... (C00–C97)	55	7.9	1.4
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	49	7.0	1.3
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	28	4.0	0.7
6	Influenza and pneumonia..... (J09–J18)	22	3.1	0.6
7	Septicemia..... (A40–A41)	14	2.0	*
8	Certain conditions originating in the perinatal period..... (P00–P96)	11	1.6	*
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	9	1.3	*
10	Cerebrovascular diseases..... (I60–I69)	7	1.0	*
...	All other causes..... (residual)	182	26.0	4.8

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic white, female, 5–9 years				
...	All causes.....	443	100.0	9.1
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	131	29.6	2.7
2	Malignant neoplasms..... (C00–C97)	83	18.7	1.7
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	41	9.3	0.8
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	19	4.3	*
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	17	3.8	*
6	Septicemia..... (A40–A41)	14	3.2	*
7	Influenza and pneumonia..... (J09–J18)	12	2.7	*
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	9	2.0	*
9	Cerebrovascular diseases..... (I60–I69)	7	1.6	*
10	Chronic lower respiratory diseases..... (J40–J47)	5	1.1	*
...	All other causes..... (residual)	105	23.7	2.2
Non-Hispanic white, female, 10–14 years				
...	All causes.....	659	100.0	12.9
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	154	23.4	3.0
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	124	18.8	2.4
3	Malignant neoplasms..... (C00–C97)	89	13.5	1.7
4	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	40	6.1	0.8
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	28	4.2	0.5
6	Influenza and pneumonia..... (J09–J18)	26	3.9	0.5
7	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	17	2.6	*
8	Complications of medical and surgical care..... (Y40–Y84,Y88)	10	1.5	*
9	Cerebrovascular diseases..... (I60–I69)	8	1.2	*
10	Chronic lower respiratory diseases..... (J40–J47)	7	1.1	*
...	All other causes..... (residual)	156	23.7	3.1
Non-Hispanic white, female, 15–19 years				
...	All causes.....	1,541	100.0	28.7
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	637	41.3	11.9
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	308	20.0	5.7
3	Malignant neoplasms..... (C00–C97)	119	7.7	2.2
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	65	4.2	1.2
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	61	4.0	1.1
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	41	2.7	0.8
7	Diabetes mellitus..... (E10–E14)	18	1.2	*
7	Influenza and pneumonia..... (J09–J18)	18	1.2	*
9	Pregnancy, childbirth and the puerperium..... (O00–O99)	12	0.8	*
10	Cerebrovascular diseases..... (I60–I69)	11	0.7	*
...	All other causes..... (residual)	251	16.3	4.7
Non-Hispanic white, female, 20–24 years				
...	All causes.....	2,745	100.0	48.7
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,326	48.3	23.5
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	366	13.3	6.5
3	Malignant neoplasms..... (C00–C97)	156	5.7	2.8
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	119	4.3	2.1
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	107	3.9	1.9
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	53	1.9	0.9
7	Pregnancy, childbirth and the puerperium..... (O00–O99)	49	1.8	0.9
8	Diabetes mellitus..... (E10–E14)	36	1.3	0.6
9	Influenza and pneumonia..... (J09–J18)	27	1.0	0.5
10	Cerebrovascular diseases..... (I60–I69)	20	0.7	0.4
...	All other causes..... (residual)	486	17.7	8.6

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic white, female, 25–34 years				
...	All causes.....	10,680	100.0	86.5
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	4,596	43.0	37.2
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,026	9.6	8.3
3	Malignant neoplasms..... (C00–C97)	977	9.1	7.9
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	604	5.7	4.9
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	284	2.7	2.3
6	Chronic liver disease and cirrhosis..... (K70,K73–K74)	258	2.4	2.1
7	Pregnancy, childbirth and the puerperium..... (O00–O99)	240	2.2	1.9
8	Diabetes mellitus..... (E10–E14)	145	1.4	1.2
9	Cerebrovascular diseases..... (I60–I69)	130	1.2	1.1
10	Influenza and pneumonia..... (J09–J18)	118	1.1	1.0
...	All other causes..... (residual)	2,302	21.6	18.6
Non-Hispanic white, female, 35–44 years				
...	All causes.....	17,742	100.0	151.6
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	4,716	26.6	40.3
2	Malignant neoplasms..... (C00–C97)	3,461	19.5	29.6
3	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1,739	9.8	14.9
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,332	7.5	11.4
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	803	4.5	6.9
6	Diabetes mellitus..... (E10–E14)	412	2.3	3.5
7	Cerebrovascular diseases..... (I60–I69)	371	2.1	3.2
8	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	291	1.6	2.5
9	Influenza and pneumonia..... (J09–J18)	260	1.5	2.2
10	Chronic lower respiratory diseases..... (J40–J47)	216	1.2	1.8
...	All other causes..... (residual)	4,141	23.3	35.4
Non-Hispanic white, female, 45–54 years				
...	All causes.....	39,384	100.0	312.6
1	Malignant neoplasms..... (C00–C97)	11,774	29.9	93.4
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	5,477	13.9	43.5
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	4,915	12.5	39.0
4	Chronic liver disease and cirrhosis..... (K70,K73–K74)	2,098	5.3	16.7
5	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,778	4.5	14.1
6	Chronic lower respiratory diseases..... (J40–J47)	1,556	4.0	12.3
7	Diabetes mellitus..... (E10–E14)	1,161	2.9	9.2
8	Cerebrovascular diseases..... (I60–I69)	1,139	2.9	9.0
9	Septicemia..... (A40–A41)	606	1.5	4.8
10	Influenza and pneumonia..... (J09–J18)	566	1.4	4.5
...	All other causes..... (residual)	8,314	21.1	66.0
Non-Hispanic white, female, 55–64 years				
...	All causes.....	102,646	100.0	680.4
1	Malignant neoplasms..... (C00–C97)	36,454	35.5	241.6
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	16,442	16.0	109.0
3	Chronic lower respiratory diseases..... (J40–J47)	7,840	7.6	52.0
4	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	5,335	5.2	35.4
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	3,577	3.5	23.7
6	Diabetes mellitus..... (E10–E14)	3,272	3.2	21.7
7	Cerebrovascular diseases..... (I60–I69)	3,249	3.2	21.5
8	Septicemia..... (A40–A41)	1,704	1.7	11.3
9	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,703	1.7	11.3
10	Influenza and pneumonia..... (J09–J18)	1,579	1.5	10.5
...	All other causes..... (residual)	21,491	20.9	142.5

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic white, female, 65 years and over				
...	All causes.....	887,878	100.0	3,937.3
1	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	210,759	23.7	934.6
2	Malignant neoplasms..... (C00-C97)	162,389	18.3	720.1
3	Alzheimer disease..... (G30)	68,121	7.7	302.1
4	Chronic lower respiratory diseases..... (J40-J47)	63,408	7.1	281.2
5	Cerebrovascular diseases..... (I60-I69)	59,350	6.7	263.2
6	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	24,257	2.7	107.6
7	Diabetes mellitus..... (E10-E14)	18,714	2.1	83.0
8	Influenza and pneumonia..... (J09-J18)	16,718	1.9	74.1
9	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	14,784	1.7	65.6
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	12,692	1.4	56.3
...	All other causes..... (residual)	236,686	26.7	1,049.6
Non-Hispanic white, female, 65-74 years				
...	All causes.....	176,566	100.0	1,426.4
1	Malignant neoplasms..... (C00-C97)	58,528	33.1	472.8
2	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	31,216	17.7	252.2
3	Chronic lower respiratory diseases..... (J40-J47)	16,644	9.4	134.5
4	Cerebrovascular diseases..... (I60-I69)	7,541	4.3	60.9
5	Diabetes mellitus..... (E10-E14)	5,700	3.2	46.0
6	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	4,500	2.5	36.4
7	Alzheimer disease..... (G30)	3,704	2.1	29.9
8	Septicemia..... (A40-A41)	3,077	1.7	24.9
9	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	3,064	1.7	24.8
10	Chronic liver disease and cirrhosis..... (K70,K73-K74)	2,818	1.6	22.8
...	All other causes..... (residual)	39,774	22.5	321.3
Non-Hispanic white, female, 75-84 years				
...	All causes.....	264,386	100.0	3,858.3
1	Malignant neoplasms..... (C00-C97)	59,618	22.5	870.0
2	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	54,440	20.6	794.5
3	Chronic lower respiratory diseases..... (J40-J47)	23,898	9.0	348.8
4	Alzheimer disease..... (G30)	17,148	6.5	250.2
5	Cerebrovascular diseases..... (I60-I69)	16,377	6.2	239.0
6	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	6,818	2.6	99.5
7	Diabetes mellitus..... (E10-E14)	6,423	2.4	93.7
8	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	4,816	1.8	70.3
9	Influenza and pneumonia..... (J09-J18)	4,485	1.7	65.5
10	Parkinson disease..... (G20-G21)	4,466	1.7	65.2
...	All other causes..... (residual)	65,897	24.9	961.7
Non-Hispanic white, female, 85 years and over				
...	All causes.....	446,926	100.0	13,464.4
1	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	125,103	28.0	3,768.9
2	Alzheimer disease..... (G30)	47,269	10.6	1,424.1
3	Malignant neoplasms..... (C00-C97)	44,243	9.9	1,332.9
4	Cerebrovascular diseases..... (I60-I69)	35,432	7.9	1,067.4
5	Chronic lower respiratory diseases..... (J40-J47)	22,866	5.1	688.9
6	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	12,939	2.9	389.8
7	Influenza and pneumonia..... (J09-J18)	9,416	2.1	283.7
8	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	7,763	1.7	233.9
9	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	6,904	1.5	208.0
10	Diabetes mellitus..... (E10-E14)	6,591	1.5	198.6
...	All other causes..... (residual)	128,400	28.7	3,868.3

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic black, both sexes, all ages <sup>4</sup>				
...	All causes.....	346,677	100.0	842.5
1	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	81,306	23.5	197.6
2	Malignant neoplasms..... (C00-C97)	70,513	20.3	171.4
3	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	21,615	6.2	52.5
4	Cerebrovascular diseases..... (I60-I69)	20,003	5.8	48.6
5	Diabetes mellitus..... (E10-E14)	15,415	4.4	37.5
6	Chronic lower respiratory diseases..... (J40-J47)	11,446	3.3	27.8
7	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	9,951	2.9	24.2
8	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	9,740	2.8	23.7
9	Alzheimer disease..... (G30)	9,208	2.7	22.4
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	6,605	1.9	16.1
...	All other causes..... (residual)	90,875	26.2	220.9
Non-Hispanic black, both sexes, 1-4 years				
...	All causes.....	901	100.0	41.6
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	235	26.1	10.9
2	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	113	12.5	5.2
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	94	10.4	4.3
4	Malignant neoplasms..... (C00-C97)	44	4.9	2.0
5	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	38	4.2	1.8
5	Influenza and pneumonia..... (J09-J18)	35	3.9	1.6
7	Certain conditions originating in the perinatal period..... (P00-P96)	25	2.8	1.2
8	Cerebrovascular diseases..... (I60-I69)	21	2.3	1.0
9	Chronic lower respiratory diseases..... (J40-J47)	17	1.9	*
10	Anemias..... (D50-D64)	14	1.6	*
...	All other causes..... (residual)	265	29.4	12.2
Non-Hispanic black, both sexes, 5-9 years				
...	All causes.....	603	100.0	21.7
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	175	29.0	6.3
2	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	70	11.6	2.5
3	Malignant neoplasms..... (C00-C97)	64	10.6	2.3
4	Chronic lower respiratory diseases..... (J40-J47)	45	7.5	1.6
5	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	40	6.6	1.4
6	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	22	3.6	0.8
7	Anemias..... (D50-D64)	13	2.2	*
8	Influenza and pneumonia..... (J09-J18)	11	1.8	*
9	Septicemia..... (A40-A41)	9	1.5	*
10	Cerebrovascular diseases..... (I60-I69)	8	1.3	*
...	All other causes..... (residual)	146	24.2	5.3
Non-Hispanic black, both sexes, 10-14 years				
...	All causes.....	653	100.0	22.9
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	142	21.7	5.0
2	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	84	12.9	2.9
3	Malignant neoplasms..... (C00-C97)	67	10.3	2.3
4	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	66	10.1	2.3
5	Chronic lower respiratory diseases..... (J40-J47)	47	7.2	1.6
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	29	4.4	1.0
7	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	19	2.9	*
8	Cerebrovascular diseases..... (I60-I69)	9	1.4	*
9	Influenza and pneumonia..... (J09-J18)	8	1.2	*
10	Septicemia..... (A40-A41)	7	1.1	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00-D48)	7	1.1	*
...	All other causes..... (residual)	168	25.7	5.9

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic black, both sexes, 15–19 years				
...	All causes.....	2,521	100.0	87.1
1	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	1,167	46.3	40.3
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	529	21.0	18.3
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	222	8.8	7.7
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	109	4.3	3.8
5	Malignant neoplasms..... (C00–C97)	77	3.1	2.7
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	36	1.4	1.2
7	Chronic lower respiratory diseases..... (J40–J47)	33	1.3	1.1
8	Legal intervention..... (Y35,Y89.0)	16	0.6	*
9	Diabetes mellitus..... (E10–E14)	15	0.6	*
10	Influenza and pneumonia..... (J09–J18)	13	0.5	*
...	All other causes..... (residual)	304	12.1	10.5
Non-Hispanic black, both sexes, 20–24 years				
...	All causes.....	4,617	100.0	150.9
1	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	1,862	40.3	60.8
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,161	25.1	37.9
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	461	10.0	15.1
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	183	4.0	6.0
5	Malignant neoplasms..... (C00–C97)	137	3.0	4.5
6	Diabetes mellitus..... (E10–E14)	56	1.2	1.8
7	Chronic lower respiratory diseases..... (J40–J47)	47	1.0	1.5
8	Pregnancy, childbirth and the puerperium..... (O00–O99)	40	0.9	1.3
9	Human immunodeficiency virus (HIV) disease..... (B20–B24)	38	0.8	1.2
10	Legal intervention..... (Y35,Y89.0)	31	0.7	1.0
...	All other causes..... (residual)	601	13.0	19.6
Non-Hispanic black, both sexes, 25–34 years				
...	All causes.....	12,535	100.0	192.3
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	3,257	26.0	50.0
2	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	3,237	25.8	49.6
3	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1,075	8.6	16.5
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	860	6.9	13.2
5	Malignant neoplasms..... (C00–C97)	600	4.8	9.2
6	Human immunodeficiency virus (HIV) disease..... (B20–B24)	307	2.4	4.7
7	Diabetes mellitus..... (E10–E14)	282	2.2	4.3
8	Pregnancy, childbirth and the puerperium..... (O00–O99)	182	1.5	2.8
9	Cerebrovascular diseases..... (I60–I69)	171	1.4	2.6
10	Chronic lower respiratory diseases..... (J40–J47)	152	1.2	2.3
...	All other causes..... (residual)	2,412	19.2	37.0
Non-Hispanic black, both sexes, 35–44 years				
...	All causes.....	16,716	100.0	314.3
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	3,370	20.2	63.4
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	3,018	18.1	56.8
3	Malignant neoplasms..... (C00–C97)	1,929	11.5	36.3
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	1,718	10.3	32.3
5	Diabetes mellitus..... (E10–E14)	643	3.8	12.1
6	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	568	3.4	10.7
7	Cerebrovascular diseases..... (I60–I69)	452	2.7	8.5
8	Human immunodeficiency virus (HIV) disease..... (B20–B24)	359	2.1	6.8
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	292	1.7	5.5
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	238	1.4	4.5
...	All other causes..... (residual)	4,129	24.7	77.6



**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic black, both sexes, 45–54 years				
...	All causes.....	30,371	100.0	595.1
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	7,316	24.1	143.3
2	Malignant neoplasms..... (C00–C97)	5,697	18.8	111.6
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	3,722	12.3	72.9
4	Diabetes mellitus..... (E10–E14)	1,511	5.0	29.6
5	Cerebrovascular diseases..... (I60–I69)	1,391	4.6	27.3
6	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	834	2.7	16.3
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	770	2.5	15.1
8	Chronic liver disease and cirrhosis..... (K70,K73–K74)	637	2.1	12.5
9	Human immunodeficiency virus (HIV) disease..... (B20–B24)	589	1.9	11.5
10	Chronic lower respiratory diseases..... (J40–J47)	555	1.8	10.9
...	All other causes..... (residual)	7,349	24.2	144.0
Non-Hispanic black, both sexes, 55–64 years				
...	All causes.....	65,348	100.0	1,319.2
1	Malignant neoplasms..... (C00–C97)	17,361	26.6	350.5
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	16,379	25.1	330.7
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	4,307	6.6	86.9
4	Diabetes mellitus..... (E10–E14)	3,312	5.1	66.9
5	Cerebrovascular diseases..... (I60–I69)	3,128	4.8	63.1
6	Chronic lower respiratory diseases..... (J40–J47)	2,189	3.3	44.2
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1,686	2.6	34.0
8	Chronic liver disease and cirrhosis..... (K70,K73–K74)	1,337	2.0	27.0
9	Septicemia..... (A40–A41)	1,278	2.0	25.8
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	1,177	1.8	23.8
...	All other causes..... (residual)	13,194	20.2	266.4
Non-Hispanic black, both sexes, 65 years and over				
...	All causes.....	206,301	100.0	4,143.3
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	53,067	25.7	1,065.8
2	Malignant neoplasms..... (C00–C97)	44,527	21.6	894.3
3	Cerebrovascular diseases..... (I60–I69)	14,768	7.2	296.6
4	Diabetes mellitus..... (E10–E14)	9,587	4.6	192.5
5	Alzheimer disease..... (G30)	9,065	4.4	182.1
6	Chronic lower respiratory diseases..... (J40–J47)	8,184	4.0	164.4
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	6,843	3.3	137.4
8	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	4,631	2.2	93.0
9	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	4,345	2.1	87.3
10	Septicemia..... (A40–A41)	4,114	2.0	82.6
...	All other causes..... (residual)	47,170	22.9	947.4
Non-Hispanic black, both sexes, 65–74 years				
...	All causes.....	76,804	100.0	2,477.0
1	Malignant neoplasms..... (C00–C97)	21,485	28.0	692.9
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	19,158	24.9	617.9
3	Cerebrovascular diseases..... (I60–I69)	4,485	5.8	144.6
4	Diabetes mellitus..... (E10–E14)	4,127	5.4	133.1
5	Chronic lower respiratory diseases..... (J40–J47)	3,337	4.3	107.6
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	2,459	3.2	79.3
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	2,299	3.0	74.1
8	Septicemia..... (A40–A41)	1,643	2.1	53.0
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	1,489	1.9	48.0
10	Influenza and pneumonia..... (J09–J18)	1,195	1.6	38.5
...	All other causes..... (residual)	15,127	19.7	487.9

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic black, both sexes, 75–84 years				
...	All causes.....	68,102	100.0	4,982.1
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	17,124	25.1	1,252.7
2	Malignant neoplasms..... (C00–C97)	15,127	22.2	1,106.6
3	Cerebrovascular diseases..... (I60–I69)	5,088	7.5	372.2
4	Diabetes mellitus..... (E10–E14)	3,438	5.0	251.5
5	Chronic lower respiratory diseases..... (J40–J47)	2,923	4.3	213.8
6	Alzheimer disease..... (G30)	2,836	4.2	207.5
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	2,470	3.6	180.7
8	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	1,469	2.2	107.5
9	Septicemia..... (A40–A41)	1,446	2.1	105.8
10	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,147	1.7	83.9
...	All other causes..... (residual)	15,034	22.1	1,099.8
Non-Hispanic black, both sexes, 85 years and over				
...	All causes.....	61,395	100.0	12,002.0
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	16,785	27.3	3,281.3
2	Malignant neoplasms..... (C00–C97)	7,915	12.9	1,547.3
3	Alzheimer disease..... (G30)	5,357	8.7	1,047.2
4	Cerebrovascular diseases..... (I60–I69)	5,195	8.5	1,015.6
5	Diabetes mellitus..... (E10–E14)	2,022	3.3	395.3
6	Chronic lower respiratory diseases..... (J40–J47)	1,924	3.1	376.1
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1,914	3.1	374.2
8	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	1,673	2.7	327.1
9	Influenza and pneumonia..... (J09–J18)	1,224	2.0	239.3
10	Septicemia..... (A40–A41)	1,025	1.7	200.4
...	All other causes..... (residual)	16,361	26.6	3,198.4
Non-Hispanic black, male, all ages <sup>4</sup>				
...	All causes.....	181,363	100.0	921.8
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	43,519	24.0	221.2
2	Malignant neoplasms..... (C00–C97)	35,426	19.5	180.1
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	15,142	8.3	77.0
4	Cerebrovascular diseases..... (I60–I69)	8,966	4.9	45.6
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	8,624	4.8	43.8
6	Diabetes mellitus..... (E10–E14)	7,879	4.3	40.0
7	Chronic lower respiratory diseases..... (J40–J47)	5,796	3.2	29.5
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	4,794	2.6	24.4
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	3,074	1.7	15.6
10	Septicemia..... (A40–A41)	3,015	1.7	15.3
...	All other causes..... (residual)	45,128	24.9	229.4
Non-Hispanic black, male, 1–4 years				
...	All causes.....	485	100.0	44.2
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	135	27.8	12.3
2	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	66	13.6	6.0
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	49	10.1	4.5
4	Malignant neoplasms..... (C00–C97)	20	4.1	1.8
4	Influenza and pneumonia..... (J09–J18)	20	4.1	1.8
6	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	17	3.5	*
7	Chronic lower respiratory diseases..... (J40–J47)	12	2.5	*
8	Certain conditions originating in the perinatal period..... (P00–P96)	11	2.3	*
9	Cerebrovascular diseases..... (I60–I69)	10	2.1	*
10	Anemias..... (D50–D64)	7	1.4	*
10	Acute bronchitis and bronchiolitis..... (J20–J21)	7	1.4	*
...	All other causes..... (residual)	131	27.0	12.0

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic black, male, 5–9 years				
...	All causes.....	338	100.0	24.0
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	107	31.7	7.6
2	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	39	11.5	2.8
3	Malignant neoplasms..... (C00–C97)	36	10.7	2.6
4	Chronic lower respiratory diseases..... (J40–J47)	29	8.6	2.1
5	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	26	7.7	1.8
6	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	9	2.7	*
7	Anemias..... (D50–D64)	6	1.8	*
7	Influenza and pneumonia..... (J09–J18)	6	1.8	*
9	Septicemia..... (A40–A41)	5	1.5	*
9	Complications of medical and surgical care..... (Y40–Y84,Y88)	5	1.5	*
...	All other causes..... (residual)	70	20.7	5.0
Non-Hispanic black, male, 10–14 years				
...	All causes.....	402	100.0	27.8
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	102	25.4	7.1
2	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	63	15.7	4.4
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	43	10.7	3.0
4	Malignant neoplasms..... (C00–C97)	36	9.0	2.5
5	Chronic lower respiratory diseases..... (J40–J47)	33	8.2	2.3
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	13	3.2	*
7	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	11	2.7	*
8	Septicemia..... (A40–A41)	5	1.2	*
8	Cerebrovascular diseases..... (I60–I69)	5	1.2	*
10	Influenza and pneumonia..... (J09–J18)	3	0.7	*
10	Certain conditions originating in the perinatal period..... (P00–P96)	3	0.7	*
...	All other causes..... (residual)	85	21.1	5.9
Non-Hispanic black, male, 15–19 years				
...	All causes.....	1,978	100.0	134.9
1	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	1,040	52.6	70.9
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	391	19.8	26.7
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	171	8.6	11.7
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	71	3.6	4.8
5	Malignant neoplasms..... (C00–C97)	44	2.2	3.0
6	Chronic lower respiratory diseases..... (J40–J47)	24	1.2	1.6
7	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	19	1.0	*
8	Legal intervention..... (Y35,Y89.0)	15	0.8	*
9	Anemias..... (D50–D64)	8	0.4	*
9	Cerebrovascular diseases..... (I60–I69)	8	0.4	*
9	Influenza and pneumonia..... (J09–J18)	8	0.4	*
...	All other causes..... (residual)	179	9.0	12.2
Non-Hispanic black, male, 20–24 years				
...	All causes.....	3,503	100.0	226.1
1	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	1,647	47.0	106.3
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	822	23.5	53.0
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	382	10.9	24.7
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	106	3.0	6.8
5	Malignant neoplasms..... (C00–C97)	74	2.1	4.8
6	Diabetes mellitus..... (E10–E14)	33	0.9	2.1
7	Chronic lower respiratory diseases..... (J40–J47)	31	0.9	2.0
8	Human immunodeficiency virus (HIV) disease..... (B20–B24)	29	0.8	1.9
9	Legal intervention..... (Y35,Y89.0)	28	0.8	1.8
10	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	19	0.5	*
...	All other causes..... (residual)	332	9.5	21.4

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, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic black, male, 25–34 years				
...	All causes.....	8,888	100.0	273.8
1	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	2,909	32.7	89.6
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	2,367	26.6	72.9
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	709	8.0	21.8
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	688	7.7	21.2
5	Malignant neoplasms..... (C00–C97)	258	2.9	7.9
6	Human immunodeficiency virus (HIV) disease..... (B20–B24)	232	2.6	7.1
7	Diabetes mellitus..... (E10–E14)	166	1.9	5.1
8	Cerebrovascular diseases..... (I60–I69)	91	1.0	2.8
9	Chronic lower respiratory diseases..... (J40–J47)	83	0.9	2.6
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	68	0.8	2.1
...	All other causes..... (residual)	1,317	14.8	40.6
Non-Hispanic black, male, 35–44 years				
...	All causes.....	10,455	100.0	413.8
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	2,462	23.5	97.4
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1,942	18.6	76.9
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	1,483	14.2	58.7
4	Malignant neoplasms..... (C00–C97)	751	7.2	29.7
5	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	448	4.3	17.7
6	Diabetes mellitus..... (E10–E14)	400	3.8	15.8
7	Cerebrovascular diseases..... (I60–I69)	233	2.2	9.2
8	Human immunodeficiency virus (HIV) disease..... (B20–B24)	209	2.0	8.3
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	155	1.5	6.1
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	148	1.4	5.9
...	All other causes..... (residual)	2,224	21.3	88.0
Non-Hispanic black, male, 45–54 years				
...	All causes.....	17,908	100.0	749.7
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	4,711	26.3	197.2
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	2,703	15.1	113.2
3	Malignant neoplasms..... (C00–C97)	2,543	14.2	106.5
4	Diabetes mellitus..... (E10–E14)	892	5.0	37.3
5	Cerebrovascular diseases..... (I60–I69)	779	4.4	32.6
6	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	696	3.9	29.1
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	447	2.5	18.7
8	Human immunodeficiency virus (HIV) disease..... (B20–B24)	375	2.1	15.7
9	Chronic liver disease and cirrhosis..... (K70,K73–K74)	371	2.1	15.5
10	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	324	1.8	13.6
...	All other causes..... (residual)	4,067	22.7	170.3
Non-Hispanic black, male, 55–64 years				
...	All causes.....	38,334	100.0	1,689.7
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	10,464	27.3	461.2
2	Malignant neoplasms..... (C00–C97)	9,000	23.5	396.7
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	3,214	8.4	141.7
4	Diabetes mellitus..... (E10–E14)	1,854	4.8	81.7
5	Cerebrovascular diseases..... (I60–I69)	1,794	4.7	79.1
6	Chronic lower respiratory diseases..... (J40–J47)	1,122	2.9	49.5
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	969	2.5	42.7
8	Chronic liver disease and cirrhosis..... (K70,K73–K74)	874	2.3	38.5
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	694	1.8	30.6
10	Septicemia..... (A40–A41)	638	1.7	28.1
...	All other causes..... (residual)	7,711	20.1	339.9

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic black, male, 65 years and over				
...	All causes.....	95,719	100.0	4,751.3
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	25,457	26.6	1,263.6
2	Malignant neoplasms..... (C00–C97)	22,660	23.7	1,124.8
3	Cerebrovascular diseases..... (I60–I69)	6,015	6.3	298.6
4	Diabetes mellitus..... (E10–E14)	4,526	4.7	224.7
5	Chronic lower respiratory diseases..... (J40–J47)	4,124	4.3	204.7
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	3,145	3.3	156.1
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	2,619	2.7	130.0
8	Alzheimer disease..... (G30)	2,576	2.7	127.9
9	Septicemia..... (A40–A41)	1,907	2.0	94.7
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	1,888	2.0	93.7
...	All other causes..... (residual)	20,802	21.7	1,032.6
Non-Hispanic black, male, 65–74 years				
...	All causes.....	42,843	100.0	3,222.5
1	Malignant neoplasms..... (C00–C97)	11,617	27.1	873.8
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	11,375	26.6	855.6
3	Cerebrovascular diseases..... (I60–I69)	2,388	5.6	179.6
4	Diabetes mellitus..... (E10–E14)	2,233	5.2	168.0
5	Chronic lower respiratory diseases..... (J40–J47)	1,793	4.2	134.9
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,634	3.8	122.9
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1,320	3.1	99.3
8	Septicemia..... (A40–A41)	859	2.0	64.6
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	792	1.8	59.6
10	Influenza and pneumonia..... (J09–J18)	636	1.5	47.8
...	All other causes..... (residual)	8,196	19.1	616.5
Non-Hispanic black, male, 75–84 years				
...	All causes.....	32,462	100.0	6,134.6
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	8,465	26.1	1,599.7
2	Malignant neoplasms..... (C00–C97)	7,618	23.5	1,439.6
3	Cerebrovascular diseases..... (I60–I69)	2,238	6.9	422.9
4	Diabetes mellitus..... (E10–E14)	1,617	5.0	305.6
5	Chronic lower respiratory diseases..... (J40–J47)	1,510	4.7	285.4
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1,115	3.4	210.7
7	Alzheimer disease..... (G30)	1,011	3.1	191.1
8	Septicemia..... (A40–A41)	678	2.1	128.1
9	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	616	1.9	116.4
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	602	1.9	113.8
...	All other causes..... (residual)	6,992	21.5	1,321.3
Non-Hispanic black, male, 85 years and over				
...	All causes.....	20,414	100.0	13,094.9
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	5,617	27.5	3,603.1
2	Malignant neoplasms..... (C00–C97)	3,425	16.8	2,197.0
3	Cerebrovascular diseases..... (I60–I69)	1,389	6.8	891.0
4	Alzheimer disease..... (G30)	1,242	6.1	796.7
5	Chronic lower respiratory diseases..... (J40–J47)	821	4.0	526.6
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	710	3.5	455.4
7	Diabetes mellitus..... (E10–E14)	676	3.3	433.6
8	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	494	2.4	316.9
9	Influenza and pneumonia..... (J09–J18)	448	2.2	287.4
10	Septicemia..... (A40–A41)	370	1.8	237.3
...	All other causes..... (residual)	5,222	25.6	3,349.7

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic black, female, all ages <sup>4</sup>				
...	All causes.....	165,314	100.0	769.9
1	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	37,787	22.9	176.0
2	Malignant neoplasms..... (C00-C97)	35,087	21.2	163.4
3	Cerebrovascular diseases..... (I60-I69)	11,037	6.7	51.4
4	Diabetes mellitus..... (E10-E14)	7,536	4.6	35.1
5	Alzheimer disease..... (G30)	6,566	4.0	30.6
6	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	6,473	3.9	30.1
7	Chronic lower respiratory diseases..... (J40-J47)	5,650	3.4	26.3
8	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	4,946	3.0	23.0
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	3,531	2.1	16.4
10	Septicemia..... (A40-A41)	3,332	2.0	15.5
...	All other causes..... (residual)	43,369	26.2	202.0
Non-Hispanic black, female, 1-4 years				
...	All causes.....	416	100.0	38.9
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	100	24.0	9.3
2	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	47	11.3	4.4
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	45	10.8	4.2
4	Malignant neoplasms..... (C00-C97)	24	5.8	2.2
5	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	21	5.0	2.0
6	Influenza and pneumonia..... (J09-J18)	15	3.6	*
7	Certain conditions originating in the perinatal period..... (P00-P96)	14	3.4	*
8	Cerebrovascular diseases..... (I60-I69)	11	2.6	*
9	Septicemia..... (A40-A41)	7	1.7	*
9	Anemias..... (D50-D64)	7	1.7	*
...	All other causes..... (residual)	125	30.0	11.7
Non-Hispanic black, female, 5-9 years				
...	All causes.....	265	100.0	19.4
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	68	25.7	5.0
2	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	31	11.7	2.3
3	Malignant neoplasms..... (C00-C97)	28	10.6	2.0
4	Chronic lower respiratory diseases..... (J40-J47)	16	6.0	*
5	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	14	5.3	*
6	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	13	4.9	*
7	Anemias..... (D50-D64)	7	2.6	*
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00-D48)	5	1.9	*
8	Influenza and pneumonia..... (J09-J18)	5	1.9	*
10	Septicemia..... (A40-A41)	4	1.5	*
10	Cerebrovascular diseases..... (I60-I69)	4	1.5	*
...	All other causes..... (residual)	70	26.4	5.1
Non-Hispanic black, female, 10-14 years				
...	All causes.....	251	100.0	17.8
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	40	15.9	2.8
2	Malignant neoplasms..... (C00-C97)	31	12.4	2.2
3	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	23	9.2	1.6
4	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	21	8.4	1.5
5	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	16	6.4	*
6	Chronic lower respiratory diseases..... (J40-J47)	14	5.6	*
7	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	8	3.2	*
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00-D48)	5	2.0	*
8	Influenza and pneumonia..... (J09-J18)	5	2.0	*
10	Anemias..... (D50-D64)	4	1.6	*
10	Diabetes mellitus..... (E10-E14)	4	1.6	*
10	Cerebrovascular diseases..... (I60-I69)	4	1.6	*
...	All other causes..... (residual)	76	30.3	5.4

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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic black, female, 15–19 years				
...	All causes.....	543	100.0	38.0
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	138	25.4	9.7
2	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	127	23.4	8.9
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	51	9.4	3.6
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	38	7.0	2.7
5	Malignant neoplasms..... (C00–C97)	33	6.1	2.3
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	17	3.1	*
7	Diabetes mellitus..... (E10–E14)	9	1.7	*
7	Chronic lower respiratory diseases..... (J40–J47)	9	1.7	*
9	Influenza and pneumonia..... (J09–J18)	5	0.9	*
9	Pregnancy, childbirth and the puerperium..... (O00–O99)	5	0.9	*
9	Complications of medical and surgical care..... (Y40–Y84,Y88)	5	0.9	*
...	All other causes..... (residual)	106	19.5	7.4
Non-Hispanic black, female, 20–24 years				
...	All causes.....	1,114	100.0	73.7
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	339	30.4	22.4
2	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	215	19.3	14.2
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	79	7.1	5.2
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	77	6.9	5.1
5	Malignant neoplasms..... (C00–C97)	63	5.7	4.2
6	Pregnancy, childbirth and the puerperium..... (O00–O99)	40	3.6	2.6
7	Diabetes mellitus..... (E10–E14)	23	2.1	1.5
8	Chronic lower respiratory diseases..... (J40–J47)	16	1.4	*
9	Influenza and pneumonia..... (J09–J18)	12	1.1	*
10	Human immunodeficiency virus (HIV) disease..... (B20–B24)	9	0.8	*
10	Anemias..... (D50–D64)	9	0.8	*
10	Cerebrovascular diseases..... (I60–I69)	9	0.8	*
...	All other causes..... (residual)	223	20.0	14.8
Non-Hispanic black, female, 25–34 years				
...	All causes.....	3,647	100.0	111.4
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	890	24.4	27.2
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	387	10.6	11.8
3	Malignant neoplasms..... (C00–C97)	342	9.4	10.4
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	328	9.0	10.0
5	Pregnancy, childbirth and the puerperium..... (O00–O99)	182	5.0	5.6
6	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	151	4.1	4.6
7	Diabetes mellitus..... (E10–E14)	116	3.2	3.5
8	Cerebrovascular diseases..... (I60–I69)	80	2.2	2.4
9	Human immunodeficiency virus (HIV) disease..... (B20–B24)	75	2.1	2.3
10	Chronic lower respiratory diseases..... (J40–J47)	69	1.9	2.1
...	All other causes..... (residual)	1,027	28.2	31.4
Non-Hispanic black, female, 35–44 years				
...	All causes.....	6,261	100.0	224.3
1	Malignant neoplasms..... (C00–C97)	1,178	18.8	42.2
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1,076	17.2	38.5
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	908	14.5	32.5
4	Diabetes mellitus..... (E10–E14)	243	3.9	8.7
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	235	3.8	8.4
6	Cerebrovascular diseases..... (I60–I69)	219	3.5	7.8
7	Human immunodeficiency virus (HIV) disease..... (B20–B24)	150	2.4	5.4
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	144	2.3	5.2
9	Pregnancy, childbirth and the puerperium..... (O00–O99)	130	2.1	4.7
10	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	120	1.9	4.3
...	All other causes..... (residual)	1,858	29.7	66.6

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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic black, female, 45–54 years				
...	All causes.....	12,463	100.0	459.0
1	Malignant neoplasms..... (C00–C97)	3,154	25.3	116.2
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	2,605	20.9	95.9
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,019	8.2	37.5
4	Diabetes mellitus..... (E10–E14)	619	5.0	22.8
5	Cerebrovascular diseases..... (I60–I69)	612	4.9	22.5
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	323	2.6	11.9
7	Chronic lower respiratory diseases..... (J40–J47)	304	2.4	11.2
8	Septicemia..... (A40–A41)	267	2.1	9.8
9	Chronic liver disease and cirrhosis..... (K70,K73–K74)	266	2.1	9.8
10	Human immunodeficiency virus (HIV) disease..... (B20–B24)	214	1.7	7.9
...	All other causes..... (residual)	3,080	24.7	113.4
Non-Hispanic black, female, 55–64 years				
...	All causes.....	27,014	100.0	1,006.2
1	Malignant neoplasms..... (C00–C97)	8,361	31.0	311.4
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	5,915	21.9	220.3
3	Diabetes mellitus..... (E10–E14)	1,458	5.4	54.3
4	Cerebrovascular diseases..... (I60–I69)	1,334	4.9	49.7
5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,093	4.0	40.7
6	Chronic lower respiratory diseases..... (J40–J47)	1,067	3.9	39.7
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	717	2.7	26.7
8	Septicemia..... (A40–A41)	640	2.4	23.8
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	483	1.8	18.0
10	Chronic liver disease and cirrhosis..... (K70,K73–K74)	463	1.7	17.2
...	All other causes..... (residual)	5,483	20.3	204.2
Non-Hispanic black, female, 65 years and over				
...	All causes.....	110,582	100.0	3,730.1
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	27,610	25.0	931.3
2	Malignant neoplasms..... (C00–C97)	21,867	19.8	737.6
3	Cerebrovascular diseases..... (I60–I69)	8,753	7.9	295.3
4	Alzheimer disease..... (G30)	6,489	5.9	218.9
5	Diabetes mellitus..... (E10–E14)	5,061	4.6	170.7
6	Chronic lower respiratory diseases..... (J40–J47)	4,060	3.7	137.0
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	3,698	3.3	124.7
8	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	2,743	2.5	92.5
9	Septicemia..... (A40–A41)	2,207	2.0	74.4
10	Influenza and pneumonia..... (J09–J18)	1,928	1.7	65.0
...	All other causes..... (residual)	26,166	23.7	882.6
Non-Hispanic black, female, 65–74 years				
...	All causes.....	33,961	100.0	1,917.5
1	Malignant neoplasms..... (C00–C97)	9,868	29.1	557.2
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	7,783	22.9	439.4
3	Cerebrovascular diseases..... (I60–I69)	2,097	6.2	118.4
4	Diabetes mellitus..... (E10–E14)	1,894	5.6	106.9
5	Chronic lower respiratory diseases..... (J40–J47)	1,544	4.5	87.2
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1,139	3.4	64.3
7	Septicemia..... (A40–A41)	784	2.3	44.3
8	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	697	2.1	39.4
9	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	665	2.0	37.5
10	Influenza and pneumonia..... (J09–J18)	559	1.6	31.6
...	All other causes..... (residual)	6,931	20.4	391.3



**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic black, female, 75–84 years				
...	All causes.....	35,640	100.0	4,254.1
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	8,659	24.3	1,033.6
2	Malignant neoplasms..... (C00–C97)	7,509	21.1	896.3
3	Cerebrovascular diseases..... (I60–I69)	2,850	8.0	340.2
4	Alzheimer disease..... (G30)	1,825	5.1	217.8
5	Diabetes mellitus..... (E10–E14)	1,821	5.1	217.4
6	Chronic lower respiratory diseases..... (J40–J47)	1,413	4.0	168.7
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1,355	3.8	161.7
8	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	867	2.4	103.5
9	Septicemia..... (A40–A41)	768	2.2	91.7
10	Influenza and pneumonia..... (J09–J18)	593	1.7	70.8
...	All other causes..... (residual)	7,980	22.4	952.5
Non-Hispanic black, female, 85 years and over				
...	All causes.....	40,981	100.0	11,522.9
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	11,168	27.3	3,140.2
2	Malignant neoplasms..... (C00–C97)	4,490	11.0	1,262.5
3	Alzheimer disease..... (G30)	4,115	10.0	1,157.0
4	Cerebrovascular diseases..... (I60–I69)	3,806	9.3	1,070.2
5	Diabetes mellitus..... (E10–E14)	1,346	3.3	378.5
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1,204	2.9	338.5
7	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	1,179	2.9	331.5
8	Chronic lower respiratory diseases..... (J40–J47)	1,103	2.7	310.1
9	Influenza and pneumonia..... (J09–J18)	776	1.9	218.2
10	Septicemia..... (A40–A41)	655	1.6	184.2
...	All other causes..... (residual)	11,139	27.2	3,132.0
Non-Hispanic American Indian or Alaska Native, both sexes, all ages <sup>4</sup>				
...	All causes.....	18,057	100.0	741.6
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	3,208	17.8	131.8
2	Malignant neoplasms..... (C00–C97)	2,979	16.5	122.3
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	2,046	11.3	84.0
4	Chronic liver disease and cirrhosis..... (K70,K73–K74)	1,079	6.0	44.3
5	Diabetes mellitus..... (E10–E14)	1,006	5.6	41.3
6	Chronic lower respiratory diseases..... (J40–J47)	778	4.3	32.0
7	Cerebrovascular diseases..... (I60–I69)	686	3.8	28.2
8	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	546	3.0	22.4
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	373	2.1	15.3
10	Influenza and pneumonia..... (J09–J18)	367	2.0	15.1
...	All other causes..... (residual)	4,989	27.6	204.9
Non-Hispanic American Indian or Alaska Native, both sexes, 1–4 years				
...	All causes.....	75	100.0	57.5
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	25	33.3	19.2
2	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	7	9.3	*
3	Influenza and pneumonia..... (J09–J18)	6	8.0	*
4	Malignant neoplasms..... (C00–C97)	5	6.7	*
5	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	3	4.0	*
6	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	2	2.7	*
7	Whooping cough..... (A37)	1	1.3	*
7	Septicemia..... (A40–A41)	1	1.3	*
7	Cerebrovascular diseases..... (I60–I69)	1	1.3	*
7	Chronic lower respiratory diseases..... (J40–J47)	1	1.3	*
7	Certain conditions originating in the perinatal period..... (P00–P96)	1	1.3	*
7	Complications of medical and surgical care..... (Y40–Y84,Y88)	1	1.3	*
...	All other causes..... (residual)	21	28.0	16.1

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic American Indian or Alaska Native, both sexes, 5–9 years				
...	All causes.....	35	100.0	20.3
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	13	37.1	*
2	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	8	22.9	*
3	Malignant neoplasms..... (C00–C97)	4	11.4	*
4	Influenza and pneumonia..... (J09–J18)	2	5.7	*
4	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	2	5.7	*
6	Meningococcal infection..... (A39)	1	2.9	*
6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	1	2.9	*
...	All other causes..... (residual)	4	11.4	*
Non-Hispanic American Indian or Alaska Native, both sexes, 10–14 years				
...	All causes.....	52	100.0	29.4
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	19	36.5	*
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	16	30.8	*
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	4	7.7	*
4	Malignant neoplasms..... (C00–C97)	2	3.8	*
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	2	3.8	*
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	2	3.8	*
7	Influenza and pneumonia..... (J09–J18)	1	1.9	*
7	Chronic lower respiratory diseases..... (J40–J47)	1	1.9	*
7	Pneumonitis due to solids and liquids..... (J69)	1	1.9	*
...	All other causes..... (residual)	4	7.7	*
Non-Hispanic American Indian or Alaska Native, both sexes, 15–19 years				
...	All causes.....	193	100.0	108.8
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	72	37.3	40.6
1	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	72	37.3	40.6
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	19	9.8	*
4	Malignant neoplasms..... (C00–C97)	6	3.1	*
5	Tuberculosis..... (A16–A19)	1	0.5	*
5	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	1	0.5	*
5	Diabetes mellitus..... (E10–E14)	1	0.5	*
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1	0.5	*
5	Cerebrovascular diseases..... (I60–I69)	1	0.5	*
5	Influenza and pneumonia..... (J09–J18)	1	0.5	*
5	Pregnancy, childbirth and the puerperium..... (O00–O99)	1	0.5	*
5	Complications of medical and surgical care..... (Y40–Y84,Y88)	1	0.5	*
...	All other causes..... (residual)	16	8.3	*
Non-Hispanic American Indian or Alaska Native, both sexes, 20–24 years				
...	All causes.....	309	100.0	170.1
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	145	46.9	79.8
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	72	23.3	39.6
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	42	13.6	23.1
4	Diabetes mellitus..... (E10–E14)	4	1.3	*
4	Chronic liver disease and cirrhosis..... (K70,K73–K74)	4	1.3	*
6	Malignant neoplasms..... (C00–C97)	3	1.0	*
6	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	3	1.0	*
6	Legal intervention..... (Y35,Y89.0)	3	1.0	*
9	Influenza and pneumonia..... (J09–J18)	2	0.6	*
9	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	2	0.6	*
...	All other causes..... (residual)	29	9.4	16.0

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic American Indian or Alaska Native, both sexes, 25–34 years				
...	All causes.....	1,126	100.0	299.6
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	409	36.3	108.8
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	171	15.2	45.5
3	Chronic liver disease and cirrhosis..... (K70,K73–K74)	121	10.7	32.2
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	81	7.2	21.6
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	51	4.5	13.6
6	Malignant neoplasms..... (C00–C97)	26	2.3	6.9
7	Diabetes mellitus..... (E10–E14)	17	1.5	*
8	Pregnancy, childbirth and the puerperium..... (O00–O99)	12	1.1	*
9	Influenza and pneumonia..... (J09–J18)	11	1.0	*
10	Legal intervention..... (Y35,Y89.0)	9	0.8	*
...	All other causes..... (residual)	218	19.4	58.0
Non-Hispanic American Indian or Alaska Native, both sexes, 35–44 years				
...	All causes.....	1,412	100.0	468.4
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	390	27.6	129.4
2	Chronic liver disease and cirrhosis..... (K70,K73–K74)	220	15.6	73.0
3	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	141	10.0	46.8
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	95	6.7	31.5
5	Malignant neoplasms..... (C00–C97)	80	5.7	26.5
6	Diabetes mellitus..... (E10–E14)	64	4.5	21.2
7	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	55	3.9	18.2
8	Septicemia..... (A40–A41)	21	1.5	7.0
9	Cerebrovascular diseases..... (I60–I69)	17	1.2	*
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	17	1.2	*
...	All other causes..... (residual)	312	22.1	103.5
Non-Hispanic American Indian or Alaska Native, both sexes, 45–54 years				
...	All causes.....	2,078	100.0	722.3
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	338	16.3	117.5
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	315	15.2	109.5
3	Chronic liver disease and cirrhosis..... (K70,K73–K74)	284	13.7	98.7
4	Malignant neoplasms..... (C00–C97)	258	12.4	89.7
5	Diabetes mellitus..... (E10–E14)	140	6.7	48.7
6	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	63	3.0	21.9
7	Cerebrovascular diseases..... (I60–I69)	60	2.9	20.9
8	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	42	2.0	14.6
9	Chronic lower respiratory diseases..... (J40–J47)	32	1.5	11.1
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	32	1.5	11.1
...	All other causes..... (residual)	514	24.7	178.7
Non-Hispanic American Indian or Alaska Native, both sexes, 55–64 years				
...	All causes.....	3,322	100.0	1,114.1
1	Malignant neoplasms..... (C00–C97)	732	22.0	245.5
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	639	19.2	214.3
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	287	8.6	96.2
4	Chronic liver disease and cirrhosis..... (K70,K73–K74)	274	8.2	91.9
5	Diabetes mellitus..... (E10–E14)	215	6.5	72.1
6	Chronic lower respiratory diseases..... (J40–J47)	142	4.3	47.6
7	Cerebrovascular diseases..... (I60–I69)	97	2.9	32.5
8	Influenza and pneumonia..... (J09–J18)	65	2.0	21.8
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	65	2.0	21.8
10	Septicemia..... (A40–A41)	54	1.6	18.1
...	All other causes..... (residual)	752	22.6	252.2

**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, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic American Indian or Alaska Native, both sexes, 65 years and over				
...	All causes.....	9,226	100.0	3,060.9
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	2,053	22.3	681.1
2	Malignant neoplasms..... (C00–C97)	1,863	20.2	618.1
3	Chronic lower respiratory diseases..... (J40–J47)	591	6.4	196.1
4	Diabetes mellitus..... (E10–E14)	565	6.1	187.4
5	Cerebrovascular diseases..... (I60–I69)	500	5.4	165.9
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	324	3.5	107.5
7	Alzheimer disease..... (G30)	294	3.2	97.5
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	250	2.7	82.9
9	Influenza and pneumonia..... (J09–J18)	232	2.5	77.0
10	Chronic liver disease and cirrhosis..... (K70,K73–K74)	176	1.9	58.4
...	All other causes..... (residual)	2,378	25.8	788.9
Non-Hispanic American Indian or Alaska Native, both sexes, 65–74 years				
...	All causes.....	3,693	100.0	1,924.9
1	Malignant neoplasms..... (C00–C97)	937	25.4	488.4
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	761	20.6	396.7
3	Diabetes mellitus..... (E10–E14)	256	6.9	133.4
4	Chronic lower respiratory diseases..... (J40–J47)	244	6.6	127.2
5	Cerebrovascular diseases..... (I60–I69)	164	4.4	85.5
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	137	3.7	71.4
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	129	3.5	67.2
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	88	2.4	45.9
9	Influenza and pneumonia..... (J09–J18)	82	2.2	42.7
10	Septicemia..... (A40–A41)	69	1.9	36.0
...	All other causes..... (residual)	826	22.4	430.5
Non-Hispanic American Indian or Alaska Native, both sexes, 75–84 years				
...	All causes.....	3,270	100.0	3,956.5
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	703	21.5	850.6
2	Malignant neoplasms..... (C00–C97)	665	20.3	804.6
3	Chronic lower respiratory diseases..... (J40–J47)	228	7.0	275.9
4	Diabetes mellitus..... (E10–E14)	208	6.4	251.7
5	Cerebrovascular diseases..... (I60–I69)	187	5.7	226.3
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	118	3.6	142.8
7	Alzheimer disease..... (G30)	99	3.0	119.8
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	98	3.0	118.6
9	Influenza and pneumonia..... (J09–J18)	76	2.3	92.0
10	Parkinson disease..... (G20–G21)	60	1.8	72.6
...	All other causes..... (residual)	828	25.3	1,001.8
Non-Hispanic American Indian or Alaska Native, both sexes, 85 years and over				
...	All causes.....	2,263	100.0	8,407.6
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	589	26.0	2,188.3
2	Malignant neoplasms..... (C00–C97)	261	11.5	969.7
3	Alzheimer disease..... (G30)	168	7.4	624.2
4	Cerebrovascular diseases..... (I60–I69)	149	6.6	553.6
5	Chronic lower respiratory diseases..... (J40–J47)	119	5.3	442.1
6	Diabetes mellitus..... (E10–E14)	101	4.5	375.2
7	Influenza and pneumonia..... (J09–J18)	74	3.3	274.9
8	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	69	3.0	256.4
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	64	2.8	237.8
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	53	2.3	196.9
...	All other causes..... (residual)	616	27.2	2,288.6

**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, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic American Indian or Alaska Native, male, all ages <sup>4</sup>				
...	All causes.....	9,732	100.0	812.1
1	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	1,883	19.3	157.1
2	Malignant neoplasms..... (C00-C97)	1,536	15.8	128.2
3	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	1,303	13.4	108.7
4	Chronic liver disease and cirrhosis..... (K70,K73-K74)	551	5.7	46.0
5	Diabetes mellitus..... (E10-E14)	524	5.4	43.7
6	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	401	4.1	33.5
7	Chronic lower respiratory diseases..... (J40-J47)	360	3.7	30.0
8	Cerebrovascular diseases..... (I60-I69)	309	3.2	25.8
9	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	212	2.2	17.7
10	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	179	1.8	14.9
...	All other causes..... (residual)	2,474	25.4	206.4
Non-Hispanic American Indian or Alaska Native, male, 1-4 years				
...	All causes.....	36	100.0	54.0
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	11	30.6	*
2	Influenza and pneumonia..... (J09-J18)	4	11.1	*
3	Malignant neoplasms..... (C00-C97)	3	8.3	*
3	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	3	8.3	*
5	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	2	5.6	*
6	Whooping cough..... (A37)	1	2.8	*
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	1	2.8	*
6	Complications of medical and surgical care..... (Y40-Y84,Y88)	1	2.8	*
...	All other causes..... (residual)	10	27.8	*
Non-Hispanic American Indian or Alaska Native, male, 5-9 years				
...	All causes.....	17	100.0	*
1	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	6	35.3	*
2	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	5	29.4	*
3	Malignant neoplasms..... (C00-C97)	3	17.6	*
4	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	1	5.9	*
...	All other causes..... (residual)	2	11.8	*
Non-Hispanic American Indian or Alaska Native, male, 10-14 years				
...	All causes.....	38	100.0	42.5
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	13	34.2	*
1	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	13	34.2	*
3	Malignant neoplasms..... (C00-C97)	2	5.3	*
3	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	2	5.3	*
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	2	5.3	*
3	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	2	5.3	*
7	Influenza and pneumonia..... (J09-J18)	1	2.6	*
7	Pneumonitis due to solids and liquids..... (J69)	1	2.6	*
...	All other causes..... (residual)	2	5.3	*
Non-Hispanic American Indian or Alaska Native, male, 15-19 years				
...	All causes.....	123	100.0	136.3
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	45	36.6	49.8
2	Intentional self-harm (suicide)..... (*U03,X60-X84,Y87.0)	44	35.8	48.7
3	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	15	12.2	*
4	Malignant neoplasms..... (C00-C97)	4	3.3	*
5	Tuberculosis..... (A16-A19)	1	0.8	*
5	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	1	0.8	*
5	Cerebrovascular diseases..... (I60-I69)	1	0.8	*
5	Influenza and pneumonia..... (J09-J18)	1	0.8	*
...	All other causes..... (residual)	11	8.9	*

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic American Indian or Alaska Native, male, 20–24 years				
...	All causes.....	206	100.0	223.6
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	89	43.2	96.6
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	56	27.2	60.8
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	31	15.0	33.6
4	Malignant neoplasms..... (C00–C97)	3	1.5	*
4	Diabetes mellitus..... (E10–E14)	3	1.5	*
4	Legal intervention..... (Y35,Y89.0)	3	1.5	*
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	2	1.0	*
7	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	2	1.0	*
9	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1	0.5	*
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	1	0.5	*
9	Influenza and pneumonia..... (J09–J18)	1	0.5	*
...	All other causes..... (residual)	14	6.8	*
Non-Hispanic American Indian or Alaska Native, male, 25–34 years				
...	All causes.....	719	100.0	376.7
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	260	36.2	136.2
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	134	18.6	70.2
3	Chronic liver disease and cirrhosis..... (K70,K73–K74)	69	9.6	36.1
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	61	8.5	32.0
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	35	4.9	18.3
6	Malignant neoplasms..... (C00–C97)	14	1.9	*
7	Diabetes mellitus..... (E10–E14)	9	1.3	*
7	Legal intervention..... (Y35,Y89.0)	9	1.3	*
9	Influenza and pneumonia..... (J09–J18)	7	1.0	*
10	Septicemia..... (A40–A41)	5	0.7	*
...	All other causes..... (residual)	116	16.1	60.8
Non-Hispanic American Indian or Alaska Native, male, 35–44 years				
...	All causes.....	843	100.0	564.5
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	252	29.9	168.7
2	Chronic liver disease and cirrhosis..... (K70,K73–K74)	107	12.7	71.7
3	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	91	10.8	60.9
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	67	7.9	44.9
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	42	5.0	28.1
6	Diabetes mellitus..... (E10–E14)	37	4.4	24.8
7	Malignant neoplasms..... (C00–C97)	32	3.8	21.4
8	Septicemia..... (A40–A41)	15	1.8	*
9	Cerebrovascular diseases..... (I60–I69)	9	1.1	*
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	9	1.1	*
...	All other causes..... (residual)	182	21.6	121.9
Non-Hispanic American Indian or Alaska Native, male, 45–54 years				
...	All causes.....	1,237	100.0	884.4
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	227	18.4	162.3
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	226	18.3	161.6
3	Chronic liver disease and cirrhosis..... (K70,K73–K74)	140	11.3	100.1
4	Malignant neoplasms..... (C00–C97)	116	9.4	82.9
5	Diabetes mellitus..... (E10–E14)	83	6.7	59.3
6	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	39	3.2	27.9
7	Cerebrovascular diseases..... (I60–I69)	35	2.8	25.0
8	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	28	2.3	20.0
9	Septicemia..... (A40–A41)	19	1.5	*
10	Chronic lower respiratory diseases..... (J40–J47)	18	1.5	*
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	18	1.5	*
...	All other causes..... (residual)	288	23.3	205.9

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic American Indian or Alaska Native, male, 55–64 years				
...	All causes.....	1,914	100.0	1,363.1
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	420	21.9	299.1
2	Malignant neoplasms..... (C00–C97)	390	20.4	277.8
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	197	10.3	140.3
4	Chronic liver disease and cirrhosis..... (K70,K73–K74)	144	7.5	102.6
5	Diabetes mellitus..... (E10–E14)	123	6.4	87.6
6	Chronic lower respiratory diseases..... (J40–J47)	65	3.4	46.3
7	Cerebrovascular diseases..... (I60–I69)	48	2.5	34.2
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	39	2.0	27.8
9	Influenza and pneumonia..... (J09–J18)	27	1.4	19.2
10	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	26	1.4	18.5
...	All other causes..... (residual)	435	22.7	309.8
Non-Hispanic American Indian or Alaska Native, male, 65 years and over				
...	All causes.....	4,475	100.0	3,307.5
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1,103	24.6	815.2
2	Malignant neoplasms..... (C00–C97)	969	21.7	716.2
3	Chronic lower respiratory diseases..... (J40–J47)	271	6.1	200.3
4	Diabetes mellitus..... (E10–E14)	269	6.0	198.8
5	Cerebrovascular diseases..... (I60–I69)	210	4.7	155.2
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	190	4.2	140.4
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	109	2.4	80.6
8	Influenza and pneumonia..... (J09–J18)	105	2.3	77.6
9	Alzheimer disease..... (G30)	90	2.0	66.5
10	Chronic liver disease and cirrhosis..... (K70,K73–K74)	89	2.0	65.8
...	All other causes..... (residual)	1,070	23.9	790.9
Non-Hispanic American Indian or Alaska Native, male, 65–74 years				
...	All causes.....	2,023	100.0	2,281.4
1	Malignant neoplasms..... (C00–C97)	522	25.8	588.7
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	479	23.7	540.2
3	Diabetes mellitus..... (E10–E14)	131	6.5	147.7
4	Chronic lower respiratory diseases..... (J40–J47)	115	5.7	129.7
5	Cerebrovascular diseases..... (I60–I69)	91	4.5	102.6
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	83	4.1	93.6
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	68	3.4	76.7
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	43	2.1	48.5
9	Influenza and pneumonia..... (J09–J18)	36	1.8	40.6
10	Septicemia..... (A40–A41)	35	1.7	39.5
...	All other causes..... (residual)	420	20.8	473.7
Non-Hispanic American Indian or Alaska Native, male, 75–84 years				
...	All causes.....	1,623	100.0	4,434.7
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	399	24.6	1,090.2
2	Malignant neoplasms..... (C00–C97)	330	20.3	901.7
3	Chronic lower respiratory diseases..... (J40–J47)	113	7.0	308.8
4	Diabetes mellitus..... (E10–E14)	102	6.3	278.7
5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	72	4.4	196.7
6	Cerebrovascular diseases..... (I60–I69)	69	4.3	188.5
7	Alzheimer disease..... (G30)	42	2.6	114.8
8	Influenza and pneumonia..... (J09–J18)	41	2.5	112.0
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	40	2.5	109.3
10	Parkinson disease..... (G20–G21)	37	2.3	101.1
...	All other causes..... (residual)	378	23.3	1,032.8

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic American Indian or Alaska Native, male, 85 years and over				
...	All causes.....	829	100.0	8,268.5
1	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	225	27.1	2,244.2
2	Malignant neoplasms..... (C00-C97)	117	14.1	1,167.0
3	Cerebrovascular diseases..... (I60-I69)	50	6.0	498.7
4	Chronic lower respiratory diseases..... (J40-J47)	43	5.2	428.9
5	Alzheimer disease..... (G30)	39	4.7	389.0
6	Diabetes mellitus..... (E10-E14)	36	4.3	359.1
7	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	35	4.2	349.1
8	Influenza and pneumonia..... (J09-J18)	28	3.4	279.3
9	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	26	3.1	259.3
10	Parkinson disease..... (G20-G21)	21	2.5	209.5
...	All other causes..... (residual)	209	25.2	2,084.6
Non-Hispanic American Indian or Alaska Native, female, all ages <sup>4</sup>				
...	All causes.....	8,325	100.0	673.3
1	Malignant neoplasms..... (C00-C97)	1,443	17.3	116.7
2	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	1,325	15.9	107.2
3	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	743	8.9	60.1
4	Chronic liver disease and cirrhosis..... (K70,K73-K74)	528	6.3	42.7
5	Diabetes mellitus..... (E10-E14)	482	5.8	39.0
6	Chronic lower respiratory diseases..... (J40-J47)	418	5.0	33.8
7	Cerebrovascular diseases..... (I60-I69)	377	4.5	30.5
8	Alzheimer disease..... (G30)	207	2.5	16.7
9	Influenza and pneumonia..... (J09-J18)	196	2.4	15.9
10	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	194	2.3	15.7
...	All other causes..... (residual)	2,412	29.0	195.1
Non-Hispanic American Indian or Alaska Native, female, 1-4 years				
...	All causes.....	39	100.0	61.2
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	14	35.9	*
2	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	4	10.3	*
3	Malignant neoplasms..... (C00-C97)	2	5.1	*
3	Influenza and pneumonia..... (J09-J18)	2	5.1	*
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	2	5.1	*
6	Septicemia..... (A40-A41)	1	2.6	*
6	Cerebrovascular diseases..... (I60-I69)	1	2.6	*
6	Chronic lower respiratory diseases..... (J40-J47)	1	2.6	*
6	Certain conditions originating in the perinatal period..... (P00-P96)	1	2.6	*
...	All other causes..... (residual)	11	28.2	*
Non-Hispanic American Indian or Alaska Native, female, 5-9 years				
...	All causes.....	18	100.0	*
1	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	8	44.4	*
2	Influenza and pneumonia..... (J09-J18)	2	11.1	*
2	Assault (homicide)..... (*U01-*U02,X85-Y09,Y87.1)	2	11.1	*
4	Meningococcal infection..... (A39)	1	5.6	*
4	Malignant neoplasms..... (C00-C97)	1	5.6	*
4	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00-D48)	1	5.6	*
4	Congenital malformations, deformations and chromosomal abnormalities..... (Q00-Q99)	1	5.6	*
...	All other causes..... (residual)	2	11.1	*



**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, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic American Indian or Alaska Native, female, 10–14 years				
...	All causes.....	14	100.0	*
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	6	42.9	*
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	3	21.4	*
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	2	14.3	*
4	Chronic lower respiratory diseases..... (J40–J47)	1	7.1	*
...	All other causes..... (residual)	2	14.3	*
Non-Hispanic American Indian or Alaska Native, female, 15–19 years				
...	All causes.....	70	100.0	80.4
1	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	28	40.0	32.2
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	27	38.6	31.0
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	4	5.7	*
4	Malignant neoplasms..... (C00–C97)	2	2.9	*
5	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	1	1.4	*
5	Diabetes mellitus..... (E10–E14)	1	1.4	*
5	Pregnancy, childbirth and the puerperium..... (O00–O99)	1	1.4	*
5	Complications of medical and surgical care..... (Y40–Y84,Y88)	1	1.4	*
...	All other causes..... (residual)	5	7.1	*
Non-Hispanic American Indian or Alaska Native, female, 20–24 years				
...	All causes.....	103	100.0	115.0
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	56	54.4	62.5
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	16	15.5	*
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	11	10.7	*
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	2	1.9	*
4	Chronic liver disease and cirrhosis..... (K70,K73–K74)	2	1.9	*
6	Diabetes mellitus..... (E10–E14)	1	1.0	*
6	Influenza and pneumonia..... (J09–J18)	1	1.0	*
6	Pneumonitis due to solids and liquids..... (J69)	1	1.0	*
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1	1.0	*
6	Pregnancy, childbirth and the puerperium..... (O00–O99)	1	1.0	*
...	All other causes..... (residual)	11	10.7	*
Non-Hispanic American Indian or Alaska Native, female, 25–34 years				
...	All causes.....	407	100.0	220.1
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	149	36.6	80.6
2	Chronic liver disease and cirrhosis..... (K70,K73–K74)	52	12.8	28.1
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	37	9.1	20.0
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	20	4.9	10.8
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	16	3.9	*
6	Malignant neoplasms..... (C00–C97)	12	2.9	*
6	Pregnancy, childbirth and the puerperium..... (O00–O99)	12	2.9	*
8	Diabetes mellitus..... (E10–E14)	8	2.0	*
9	Influenza and pneumonia..... (J09–J18)	4	1.0	*
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	4	1.0	*
...	All other causes..... (residual)	93	22.9	50.3

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic American Indian or Alaska Native, female, 35–44 years				
...	All causes.....	569	100.0	374.1
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	138	24.3	90.7
2	Chronic liver disease and cirrhosis..... (K70,K73–K74)	113	19.9	74.3
3	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	50	8.8	32.9
4	Malignant neoplasms..... (C00–C97)	48	8.4	31.6
5	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	28	4.9	18.4
6	Diabetes mellitus..... (E10–E14)	27	4.7	17.8
7	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	13	2.3	*
8	Cerebrovascular diseases..... (I60–I69)	8	1.4	*
8	Influenza and pneumonia..... (J09–J18)	8	1.4	*
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	8	1.4	*
...	All other causes..... (residual)	128	22.5	84.1
Non-Hispanic American Indian or Alaska Native, female, 45–54 years				
...	All causes.....	841	100.0	568.9
1	Chronic liver disease and cirrhosis..... (K70,K73–K74)	144	17.1	97.4
2	Malignant neoplasms..... (C00–C97)	142	16.9	96.1
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	112	13.3	75.8
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	88	10.5	59.5
5	Diabetes mellitus..... (E10–E14)	57	6.8	38.6
6	Cerebrovascular diseases..... (I60–I69)	25	3.0	16.9
7	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	24	2.9	16.2
8	Chronic lower respiratory diseases..... (J40–J47)	14	1.7	*
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	14	1.7	*
8	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	14	1.7	*
...	All other causes..... (residual)	207	24.6	140.0
Non-Hispanic American Indian or Alaska Native, female, 55–64 years				
...	All causes.....	1,408	100.0	892.4
1	Malignant neoplasms..... (C00–C97)	342	24.3	216.8
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	219	15.6	138.8
3	Chronic liver disease and cirrhosis..... (K70,K73–K74)	130	9.2	82.4
4	Diabetes mellitus..... (E10–E14)	92	6.5	58.3
5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	90	6.4	57.0
6	Chronic lower respiratory diseases..... (J40–J47)	77	5.5	48.8
7	Cerebrovascular diseases..... (I60–I69)	49	3.5	31.1
8	Influenza and pneumonia..... (J09–J18)	38	2.7	24.1
9	Septicemia..... (A40–A41)	32	2.3	20.3
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	26	1.8	16.5
...	All other causes..... (residual)	313	22.2	198.4
Non-Hispanic American Indian or Alaska Native, female, 65 years and over				
...	All causes.....	4,751	100.0	2,860.0
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	950	20.0	571.9
2	Malignant neoplasms..... (C00–C97)	894	18.8	538.2
3	Chronic lower respiratory diseases..... (J40–J47)	320	6.7	192.6
4	Diabetes mellitus..... (E10–E14)	296	6.2	178.2
5	Cerebrovascular diseases..... (I60–I69)	290	6.1	174.6
6	Alzheimer disease..... (G30)	204	4.3	122.8
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	141	3.0	84.9
8	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	134	2.8	80.7
9	Influenza and pneumonia..... (J09–J18)	127	2.7	76.5
10	Chronic liver disease and cirrhosis..... (K70,K73–K74)	87	1.8	52.4
...	All other causes..... (residual)	1,308	27.5	787.4

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic American Indian or Alaska Native, female, 65–74 years				
...	All causes.....	1,670	100.0	1,618.5
1	Malignant neoplasms..... (C00–C97)	415	24.9	402.2
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	282	16.9	273.3
3	Chronic lower respiratory diseases..... (J40–J47)	129	7.7	125.0
4	Diabetes mellitus..... (E10–E14)	125	7.5	121.1
5	Cerebrovascular diseases..... (I60–I69)	73	4.4	70.8
6	Chronic liver disease and cirrhosis..... (K70,K73–K74)	61	3.7	59.1
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	54	3.2	52.3
8	Influenza and pneumonia..... (J09–J18)	46	2.8	44.6
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	45	2.7	43.6
10	Septicemia..... (A40–A41)	34	2.0	33.0
...	All other causes..... (residual)	406	24.3	393.5
Non-Hispanic American Indian or Alaska Native, female, 75–84 years				
...	All causes.....	1,647	100.0	3,576.5
1	Malignant neoplasms..... (C00–C97)	335	20.3	727.5
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	304	18.5	660.1
3	Cerebrovascular diseases..... (I60–I69)	118	7.2	256.2
4	Chronic lower respiratory diseases..... (J40–J47)	115	7.0	249.7
5	Diabetes mellitus..... (E10–E14)	106	6.4	230.2
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	58	3.5	125.9
7	Alzheimer disease..... (G30)	57	3.5	123.8
8	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	46	2.8	99.9
9	Influenza and pneumonia..... (J09–J18)	35	2.1	76.0
10	Septicemia..... (A40–A41)	29	1.8	63.0
...	All other causes..... (residual)	444	27.0	964.1
Non-Hispanic American Indian or Alaska Native, female, 85 years and over				
...	All causes.....	1,434	100.0	8,490.2
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	364	25.4	2,155.1
2	Malignant neoplasms..... (C00–C97)	144	10.0	852.6
3	Alzheimer disease..... (G30)	129	9.0	763.8
4	Cerebrovascular diseases..... (I60–I69)	99	6.9	586.1
5	Chronic lower respiratory diseases..... (J40–J47)	76	5.3	450.0
6	Diabetes mellitus..... (E10–E14)	65	4.5	384.8
7	Influenza and pneumonia..... (J09–J18)	46	3.2	272.4
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	38	2.6	225.0
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	35	2.4	207.2
10	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	34	2.4	201.3
...	All other causes..... (residual)	404	28.2	2,391.9
Non-Hispanic Asian, both sexes, all ages <sup>4</sup>				
...	All causes.....	70,532	100.0	373.1
1	Malignant neoplasms..... (C00–C97)	17,702	25.1	93.6
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	14,925	21.2	78.9
3	Cerebrovascular diseases..... (I60–I69)	5,495	7.8	29.1
4	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	3,092	4.4	16.4
5	Diabetes mellitus..... (E10–E14)	3,000	4.3	15.9
6	Alzheimer disease..... (G30)	2,887	4.1	15.3
7	Chronic lower respiratory diseases..... (J40–J47)	1,859	2.6	9.8
8	Influenza and pneumonia..... (J09–J18)	1,784	2.5	9.4
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1,523	2.2	8.1
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	1,458	2.1	7.7
...	All other causes..... (residual)	16,807	23.8	88.9

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Asian, both sexes, 1–4 years				
...	All causes.....	123	100.0	15.7
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	34	27.6	4.3
2	Malignant neoplasms..... (C00–C97)	15	12.2	*
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	11	8.9	*
4	Influenza and pneumonia..... (J09–J18)	5	4.1	*
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	5	4.1	*
6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	4	3.3	*
6	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	4	3.3	*
8	Certain conditions originating in the perinatal period..... (P00–P96)	2	1.6	*
9	Shigellosis and amebiasis..... (A03,A06)	1	0.8	*
9	Septicemia..... (A40–A41)	1	0.8	*
9	Cerebrovascular diseases..... (I60–I69)	1	0.8	*
9	Acute bronchitis and bronchiolitis..... (J20–J21)	1	0.8	*
9	Pneumonitis due to solids and liquids..... (J69)	1	0.8	*
9	Hernia..... (K40–K46)	1	0.8	*
9	Complications of medical and surgical care..... (Y40–Y84,Y88)	1	0.8	*
...	All other causes..... (residual)	36	29.3	4.6
Non-Hispanic Asian, both sexes, 5–9 years				
...	All causes.....	83	100.0	8.1
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	21	25.3	2.1
2	Malignant neoplasms..... (C00–C97)	12	14.5	*
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	7	8.4	*
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	6	7.2	*
5	Cerebrovascular diseases..... (I60–I69)	3	3.6	*
5	Influenza and pneumonia..... (J09–J18)	3	3.6	*
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	3	3.6	*
8	Septicemia..... (A40–A41)	2	2.4	*
9	Anemias..... (D50–D64)	1	1.2	*
9	Pneumonitis due to solids and liquids..... (J69)	1	1.2	*
9	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1	1.2	*
9	Complications of medical and surgical care..... (Y40–Y84,Y88)	1	1.2	*
...	All other causes..... (residual)	22	26.5	2.2
Non-Hispanic Asian, both sexes, 10–14 years				
...	All causes.....	96	100.0	9.1
1	Malignant neoplasms..... (C00–C97)	21	21.9	2.0
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	18	18.8	*
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	11	11.5	*
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	7	7.3	*
5	Influenza and pneumonia..... (J09–J18)	6	6.3	*
6	Septicemia..... (A40–A41)	3	3.1	*
6	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	3	3.1	*
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	2	2.1	*
8	Cerebrovascular diseases..... (I60–I69)	2	2.1	*
8	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	2	2.1	*
...	All other causes..... (residual)	21	21.9	2.0

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Asian, both sexes, 15–19 years				
...	All causes . . . . .	266	100.0	24.0
1	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	96	36.1	8.7
2	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	59	22.2	5.3
3	Malignant neoplasms . . . . . (C00–C97)	32	12.0	2.9
4	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	18	6.8	*
5	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	7	2.6	*
6	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	6	2.3	*
7	Cerebrovascular diseases . . . . . (I60–I69)	4	1.5	*
8	Influenza and pneumonia . . . . . (J09–J18)	3	1.1	*
9	Septicemia . . . . . (A40–A41)	2	0.8	*
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)	2	0.8	*
...	All other causes . . . . . (residual)	37	13.9	3.3
Non-Hispanic Asian, both sexes, 20–24 years				
...	All causes . . . . .	452	100.0	36.0
1	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	156	34.5	12.4
2	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	148	32.7	11.8
3	Malignant neoplasms . . . . . (C00–C97)	35	7.7	2.8
4	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	20	4.4	1.6
5	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	10	2.2	*
6	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	9	2.0	*
7	Diabetes mellitus . . . . . (E10–E14)	7	1.5	*
8	Influenza and pneumonia . . . . . (J09–J18)	4	0.9	*
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)	3	0.7	*
10	Human immunodeficiency virus (HIV) disease . . . . . (B20–B24)	2	0.4	*
10	Anemias . . . . . (D50–D64)	2	0.4	*
10	Cerebrovascular diseases . . . . . (I60–I69)	2	0.4	*
10	Pregnancy, childbirth and the puerperium . . . . . (O00–O99)	2	0.4	*
...	All other causes . . . . . (residual)	52	11.5	4.1
Non-Hispanic Asian, both sexes, 25–34 years				
...	All causes . . . . .	1,323	100.0	40.9
1	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	378	28.6	11.7
2	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	286	21.6	8.8
3	Malignant neoplasms . . . . . (C00–C97)	187	14.1	5.8
4	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	69	5.2	2.1
5	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	60	4.5	1.9
6	Cerebrovascular diseases . . . . . (I60–I69)	27	2.0	0.8
7	Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)	25	1.9	0.8
8	Diabetes mellitus . . . . . (E10–E14)	17	1.3	*
9	Pregnancy, childbirth and the puerperium . . . . . (O00–O99)	16	1.2	*
10	Aortic aneurysm and dissection . . . . . (I71)	10	0.8	*
10	Influenza and pneumonia . . . . . (J09–J18)	10	0.8	*
10	Chronic lower respiratory diseases . . . . . (J40–J47)	10	0.8	*
10	Legal intervention . . . . . (Y35,Y89.0)	10	0.8	*
...	All other causes . . . . . (residual)	218	16.5	6.7

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Asian, both sexes, 35–44 years				
...	All causes.....	1,943	100.0	63.8
1	Malignant neoplasms..... (C00–C97)	489	25.2	16.1
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	304	15.6	10.0
3	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	282	14.5	9.3
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	203	10.4	6.7
5	Cerebrovascular diseases..... (I60–I69)	96	4.9	3.2
6	Chronic liver disease and cirrhosis..... (K70,K73–K74)	65	3.3	2.1
7	Diabetes mellitus..... (E10–E14)	46	2.4	1.5
8	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	39	2.0	1.3
9	Influenza and pneumonia..... (J09–J18)	23	1.2	0.8
9	Pregnancy, childbirth and the puerperium..... (O00–O99)	23	1.2	0.8
...	All other causes..... (residual)	373	19.2	12.2
Non-Hispanic Asian, both sexes, 45–54 years				
...	All causes.....	4,017	100.0	153.8
1	Malignant neoplasms..... (C00–C97)	1,570	39.1	60.1
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	689	17.2	26.4
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	294	7.3	11.3
4	Cerebrovascular diseases..... (I60–I69)	226	5.6	8.7
5	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	205	5.1	7.8
6	Diabetes mellitus..... (E10–E14)	146	3.6	5.6
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	96	2.4	3.7
8	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	58	1.4	2.2
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	50	1.2	1.9
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	50	1.2	1.9
...	All other causes..... (residual)	633	15.8	24.2
Non-Hispanic Asian, both sexes, 55–64 years				
...	All causes.....	7,836	100.0	369.6
1	Malignant neoplasms..... (C00–C97)	3,224	41.1	152.1
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1,490	19.0	70.3
3	Cerebrovascular diseases..... (I60–I69)	470	6.0	22.2
4	Diabetes mellitus..... (E10–E14)	398	5.1	18.8
5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	321	4.1	15.1
6	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	181	2.3	8.5
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	139	1.8	6.6
8	Influenza and pneumonia..... (J09–J18)	125	1.6	5.9
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	125	1.6	5.9
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	112	1.4	5.3
...	All other causes..... (residual)	1,251	16.0	59.0
Non-Hispanic Asian, both sexes, 65 years and over				
...	All causes.....	53,763	100.0	2,156.7
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	12,353	23.0	495.5
2	Malignant neoplasms..... (C00–C97)	12,114	22.5	485.9
3	Cerebrovascular diseases..... (I60–I69)	4,660	8.7	186.9
4	Alzheimer disease..... (G30)	2,865	5.3	114.9
5	Diabetes mellitus..... (E10–E14)	2,385	4.4	95.7
6	Chronic lower respiratory diseases..... (J40–J47)	1,714	3.2	68.8
7	Influenza and pneumonia..... (J09–J18)	1,558	2.9	62.5
8	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,496	2.8	60.0
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1,319	2.5	52.9
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	1,281	2.4	51.4
...	All other causes..... (residual)	12,018	22.4	482.1

**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, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Asian, both sexes, 65–74 years				
...	All causes.....	12,409	100.0	831.6
1	Malignant neoplasms..... (C00–C97)	4,524	36.5	303.2
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	2,471	19.9	165.6
3	Cerebrovascular diseases..... (I60–I69)	905	7.3	60.6
4	Diabetes mellitus..... (E10–E14)	674	5.4	45.2
5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	403	3.2	27.0
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	317	2.6	21.2
7	Chronic lower respiratory diseases..... (J40–J47)	238	1.9	15.9
8	Influenza and pneumonia..... (J09–J18)	222	1.8	14.9
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	199	1.6	13.3
10	Chronic liver disease and cirrhosis..... (K70,K73–K74)	174	1.4	11.7
...	All other causes..... (residual)	2,282	18.4	152.9
Non-Hispanic Asian, both sexes, 75–84 years				
...	All causes.....	17,425	100.0	2,454.8
1	Malignant neoplasms..... (C00–C97)	4,429	25.4	624.0
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	3,878	22.3	546.3
3	Cerebrovascular diseases..... (I60–I69)	1,479	8.5	208.4
4	Diabetes mellitus..... (E10–E14)	838	4.8	118.1
5	Chronic lower respiratory diseases..... (J40–J47)	627	3.6	88.3
6	Alzheimer disease..... (G30)	585	3.4	82.4
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	506	2.9	71.3
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	481	2.8	67.8
9	Influenza and pneumonia..... (J09–J18)	426	2.4	60.0
10	Parkinson disease..... (G20–G21)	414	2.4	58.3
...	All other causes..... (residual)	3,762	21.6	530.0
Non-Hispanic Asian, both sexes, 85 years and over				
...	All causes.....	23,929	100.0	8,229.2
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	6,004	25.1	2,064.8
2	Malignant neoplasms..... (C00–C97)	3,161	13.2	1,087.1
3	Cerebrovascular diseases..... (I60–I69)	2,276	9.5	782.7
4	Alzheimer disease..... (G30)	2,180	9.1	749.7
5	Influenza and pneumonia..... (J09–J18)	910	3.8	312.9
6	Diabetes mellitus..... (E10–E14)	873	3.6	300.2
7	Chronic lower respiratory diseases..... (J40–J47)	849	3.5	292.0
8	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	720	3.0	247.6
9	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	587	2.5	201.9
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	521	2.2	179.2
...	All other causes..... (residual)	5,848	24.4	2,011.1
Non-Hispanic Asian, male, all ages <sup>4</sup>				
...	All causes.....	35,914	100.0	398.7
1	Malignant neoplasms..... (C00–C97)	8,889	24.8	98.7
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	8,162	22.7	90.6
3	Cerebrovascular diseases..... (I60–I69)	2,456	6.8	27.3
4	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,978	5.5	22.0
5	Diabetes mellitus..... (E10–E14)	1,562	4.3	17.3
6	Chronic lower respiratory diseases..... (J40–J47)	1,080	3.0	12.0
7	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	950	2.6	10.5
8	Influenza and pneumonia..... (J09–J18)	901	2.5	10.0
9	Alzheimer disease..... (G30)	883	2.5	9.8
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	780	2.2	8.7
...	All other causes..... (residual)	8,273	23.0	91.8

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Asian, male, 1–4 years				
...	All causes.....	62	100.0	15.4
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	19	30.6	*
2	Malignant neoplasms..... (C00–C97)	7	11.3	*
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	4	6.5	*
4	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	3	4.8	*
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	3	4.8	*
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	3	4.8	*
7	Shigellosis and amebiasis..... (A03,A06)	1	1.6	*
7	Cerebrovascular diseases..... (I60–I69)	1	1.6	*
7	Pneumonitis due to solids and liquids..... (J69)	1	1.6	*
7	Certain conditions originating in the perinatal period..... (P00–P96)	1	1.6	*
7	Complications of medical and surgical care..... (Y40–Y84,Y88)	1	1.6	*
...	All other causes..... (residual)	18	29.0	*
Non-Hispanic Asian, male, 5–9 years				
...	All causes.....	48	100.0	9.2
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	13	27.1	*
2	Malignant neoplasms..... (C00–C97)	5	10.4	*
3	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	4	8.3	*
4	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	3	6.3	*
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	3	6.3	*
6	Cerebrovascular diseases..... (I60–I69)	2	4.2	*
7	Influenza and pneumonia..... (J09–J18)	1	2.1	*
7	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1	2.1	*
7	Complications of medical and surgical care..... (Y40–Y84,Y88)	1	2.1	*
...	All other causes..... (residual)	15	31.3	*
Non-Hispanic Asian, male, 10–14 years				
...	All causes.....	52	100.0	9.7
1	Malignant neoplasms..... (C00–C97)	11	21.2	*
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	7	13.5	*
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	6	11.5	*
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	5	9.6	*
5	Influenza and pneumonia..... (J09–J18)	4	7.7	*
6	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1	1.9	*
6	Cerebrovascular diseases..... (I60–I69)	1	1.9	*
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	1	1.9	*
...	All other causes..... (residual)	16	30.8	*
Non-Hispanic Asian, male, 15–19 years				
...	All causes.....	191	100.0	34.5
1	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	77	40.3	13.9
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	42	22.0	7.6
3	Malignant neoplasms..... (C00–C97)	20	10.5	3.6
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	16	8.4	*
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	4	2.1	*
5	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	4	2.1	*
7	Cerebrovascular diseases..... (I60–I69)	3	1.6	*
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	2	1.0	*
9	Anemias..... (D50–D64)	1	0.5	*
9	Nutritional deficiencies..... (E40–E64)	1	0.5	*
9	Influenza and pneumonia..... (J09–J18)	1	0.5	*
9	Peptic ulcer..... (K25–K28)	1	0.5	*
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1	0.5	*
...	All other causes..... (residual)	18	9.4	*



**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Asian, male, 20–24 years				
...	All causes.....	330	100.0	52.1
1	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	117	35.5	18.5
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	109	33.0	17.2
3	Malignant neoplasms..... (C00–C97)	23	7.0	3.6
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	15	4.5	*
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	9	2.7	*
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	6	1.8	*
7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	3	0.9	*
7	Diabetes mellitus..... (E10–E14)	3	0.9	*
9	Human immunodeficiency virus (HIV) disease..... (B20–B24)	2	0.6	*
9	Anemias..... (D50–D64)	2	0.6	*
9	Influenza and pneumonia..... (J09–J18)	2	0.6	*
...	All other causes..... (residual)	39	11.8	6.2
Non-Hispanic Asian, male, 25–34 years				
...	All causes.....	897	100.0	56.5
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	288	32.1	18.2
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	213	23.7	13.4
3	Malignant neoplasms..... (C00–C97)	96	10.7	6.1
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	46	5.1	2.9
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	42	4.7	2.6
6	Chronic liver disease and cirrhosis..... (K70,K73–K74)	21	2.3	1.3
7	Cerebrovascular diseases..... (I60–I69)	16	1.8	*
8	Legal intervention..... (Y35,Y89.0)	10	1.1	*
9	Diabetes mellitus..... (E10–E14)	9	1.0	*
10	Aortic aneurysm and dissection..... (I71)	8	0.9	*
...	All other causes..... (residual)	148	16.5	9.3
Non-Hispanic Asian, male, 35–44 years				
...	All causes.....	1,220	100.0	85.4
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	232	19.0	16.2
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	227	18.6	15.9
3	Malignant neoplasms..... (C00–C97)	199	16.3	13.9
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	145	11.9	10.1
5	Cerebrovascular diseases..... (I60–I69)	61	5.0	4.3
6	Chronic liver disease and cirrhosis..... (K70,K73–K74)	47	3.9	3.3
7	Diabetes mellitus..... (E10–E14)	32	2.6	2.2
8	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	20	1.6	1.4
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	16	1.3	*
10	Aortic aneurysm and dissection..... (I71)	13	1.1	*
...	All other causes..... (residual)	228	18.7	16.0
Non-Hispanic Asian, male, 45–54 years				
...	All causes.....	2,433	100.0	199.9
1	Malignant neoplasms..... (C00–C97)	686	28.2	56.4
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	565	23.2	46.4
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	210	8.6	17.3
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	135	5.5	11.1
5	Cerebrovascular diseases..... (I60–I69)	125	5.1	10.3
6	Diabetes mellitus..... (E10–E14)	104	4.3	8.5
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	62	2.5	5.1
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	39	1.6	3.2
9	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	38	1.6	3.1
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	36	1.5	3.0
...	All other causes..... (residual)	433	17.8	35.6

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Asian, male, 55–64 years				
...	All causes.....	4,773	100.0	495.5
1	Malignant neoplasms..... (C00–C97)	1,656	34.7	171.9
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1,109	23.2	115.1
3	Diabetes mellitus..... (E10–E14)	270	5.7	28.0
4	Cerebrovascular diseases..... (I60–I69)	268	5.6	27.8
5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	224	4.7	23.3
6	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	125	2.6	13.0
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	111	2.3	11.5
8	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	79	1.7	8.2
8	Influenza and pneumonia..... (J09–J18)	79	1.7	8.2
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	77	1.6	8.0
...	All other causes..... (residual)	775	16.2	80.5
Non-Hispanic Asian, male, 65 years and over				
...	All causes.....	25,550	100.0	2,378.8
1	Malignant neoplasms..... (C00–C97)	6,184	24.2	575.8
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	6,183	24.2	575.7
3	Cerebrovascular diseases..... (I60–I69)	1,975	7.7	183.9
4	Diabetes mellitus..... (E10–E14)	1,144	4.5	106.5
5	Chronic lower respiratory diseases..... (J40–J47)	989	3.9	92.1
6	Alzheimer disease..... (G30)	876	3.4	81.6
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	826	3.2	76.9
8	Influenza and pneumonia..... (J09–J18)	764	3.0	71.1
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	643	2.5	59.9
10	Parkinson disease..... (G20–G21)	577	2.3	53.7
...	All other causes..... (residual)	5,389	21.1	501.7
Non-Hispanic Asian, male, 65–74 years				
...	All causes.....	6,993	100.0	1,067.7
1	Malignant neoplasms..... (C00–C97)	2,369	33.9	361.7
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1,589	22.7	242.6
3	Cerebrovascular diseases..... (I60–I69)	487	7.0	74.4
4	Diabetes mellitus..... (E10–E14)	392	5.6	59.9
5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	264	3.8	40.3
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	171	2.4	26.1
7	Chronic lower respiratory diseases..... (J40–J47)	167	2.4	25.5
8	Influenza and pneumonia..... (J09–J18)	134	1.9	20.5
9	Chronic liver disease and cirrhosis..... (K70,K73–K74)	108	1.5	16.5
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	99	1.4	15.1
...	All other causes..... (residual)	1,213	17.3	185.2
Non-Hispanic Asian, male, 75–84 years				
...	All causes.....	9,174	100.0	2,956.5
1	Malignant neoplasms..... (C00–C97)	2,355	25.7	758.9
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	2,173	23.7	700.3
3	Cerebrovascular diseases..... (I60–I69)	716	7.8	230.7
4	Diabetes mellitus..... (E10–E14)	400	4.4	128.9
5	Chronic lower respiratory diseases..... (J40–J47)	394	4.3	127.0
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	289	3.2	93.1
7	Parkinson disease..... (G20–G21)	272	3.0	87.7
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	260	2.8	83.8
9	Alzheimer disease..... (G30)	247	2.7	79.6
10	Influenza and pneumonia..... (J09–J18)	239	2.6	77.0
...	All other causes..... (residual)	1,829	19.9	589.4

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Asian, male, 85 years and over				
...	All causes.....	9,383	100.0	8,624.8
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	2,421	25.8	2,225.4
2	Malignant neoplasms..... (C00–C97)	1,460	15.6	1,342.0
3	Cerebrovascular diseases..... (I60–I69)	772	8.2	709.6
4	Alzheimer disease..... (G30)	586	6.2	538.6
5	Chronic lower respiratory diseases..... (J40–J47)	428	4.6	393.4
6	Influenza and pneumonia..... (J09–J18)	391	4.2	359.4
7	Diabetes mellitus..... (E10–E14)	352	3.8	323.6
8	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	273	2.9	250.9
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	265	2.8	243.6
10	Parkinson disease..... (G20–G21)	237	2.5	217.8
...	All other causes..... (residual)	2,198	23.4	2,020.4
Non-Hispanic Asian, female, all ages <sup>4</sup>				
...	All causes.....	34,618	100.0	349.8
1	Malignant neoplasms..... (C00–C97)	8,813	25.5	89.0
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	6,763	19.5	68.3
3	Cerebrovascular diseases..... (I60–I69)	3,039	8.8	30.7
4	Alzheimer disease..... (G30)	2,004	5.8	20.2
5	Diabetes mellitus..... (E10–E14)	1,438	4.2	14.5
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,114	3.2	11.3
7	Influenza and pneumonia..... (J09–J18)	883	2.6	8.9
8	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	799	2.3	8.1
9	Chronic lower respiratory diseases..... (J40–J47)	779	2.3	7.9
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	743	2.1	7.5
...	All other causes..... (residual)	8,243	23.8	83.3
Non-Hispanic Asian, female, 1–4 years				
...	All causes.....	61	100.0	16.0
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	15	24.6	*
2	Malignant neoplasms..... (C00–C97)	8	13.1	*
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	7	11.5	*
4	Influenza and pneumonia..... (J09–J18)	5	8.2	*
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	2	3.3	*
6	Septicemia..... (A40–A41)	1	1.6	*
6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	1	1.6	*
6	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1	1.6	*
6	Acute bronchitis and bronchiolitis..... (J20–J21)	1	1.6	*
6	Hernia..... (K40–K46)	1	1.6	*
6	Certain conditions originating in the perinatal period..... (P00–P96)	1	1.6	*
...	All other causes..... (residual)	18	29.5	*
Non-Hispanic Asian, female, 5–9 years				
...	All causes.....	35	100.0	7.0
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	8	22.9	*
2	Malignant neoplasms..... (C00–C97)	7	20.0	*
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	4	11.4	*
4	Septicemia..... (A40–A41)	2	5.7	*
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	2	5.7	*
4	Influenza and pneumonia..... (J09–J18)	2	5.7	*
7	Anemias..... (D50–D64)	1	2.9	*
7	Cerebrovascular diseases..... (I60–I69)	1	2.9	*
7	Pneumonitis due to solids and liquids..... (J69)	1	2.9	*
...	All other causes..... (residual)	7	20.0	*

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Asian, female, 10–14 years				
...	All causes . . . . .	44	100.0	8.5
1	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	11	25.0	*
2	Malignant neoplasms . . . . . (C00–C97)	10	22.7	*
3	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	5	11.4	*
4	Septicemia . . . . . (A40–A41)	3	6.8	*
5	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)	2	4.5	*
5	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	2	4.5	*
5	Influenza and pneumonia . . . . . (J09–J18)	2	4.5	*
5	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	2	4.5	*
9	Anemias . . . . . (D50–D64)	1	2.3	*
9	Cerebrovascular diseases . . . . . (I60–I69)	1	2.3	*
9	Chronic lower respiratory diseases . . . . . (J40–J47)	1	2.3	*
9	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	1	2.3	*
...	All other causes . . . . . (residual)	3	6.8	*
Non-Hispanic Asian, female, 15–19 years				
...	All causes . . . . .	75	100.0	13.6
1	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	19	25.3	*
2	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	17	22.7	*
3	Malignant neoplasms . . . . . (C00–C97)	12	16.0	*
4	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	3	4.0	*
5	Septicemia . . . . . (A40–A41)	2	2.7	*
5	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	2	2.7	*
5	Influenza and pneumonia . . . . . (J09–J18)	2	2.7	*
5	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	2	2.7	*
9	Cerebrovascular diseases . . . . . (I60–I69)	1	1.3	*
9	Chronic lower respiratory diseases . . . . . (J40–J47)	1	1.3	*
9	Pregnancy, childbirth and the puerperium . . . . . (O00–O99)	1	1.3	*
9	Complications of medical and surgical care . . . . . (Y40–Y84,Y88)	1	1.3	*
...	All other causes . . . . . (residual)	12	16.0	*
Non-Hispanic Asian, female, 20–24 years				
...	All causes . . . . .	122	100.0	19.6
1	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	39	32.0	6.3
1	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	39	32.0	6.3
3	Malignant neoplasms . . . . . (C00–C97)	12	9.8	*
4	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	5	4.1	*
5	Diabetes mellitus . . . . . (E10–E14)	4	3.3	*
6	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	3	2.5	*
7	Influenza and pneumonia . . . . . (J09–J18)	2	1.6	*
7	Pregnancy, childbirth and the puerperium . . . . . (O00–O99)	2	1.6	*
9	Septicemia . . . . . (A40–A41)	1	0.8	*
9	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	1	0.8	*
9	Cerebrovascular diseases . . . . . (I60–I69)	1	0.8	*
9	Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)	1	0.8	*
...	All other causes . . . . . (residual)	12	9.8	*

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Asian, female, 25–34 years				
...	All causes.....	426	100.0	25.8
1	Malignant neoplasms..... (C00–C97)	91	21.4	5.5
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	90	21.1	5.5
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	73	17.1	4.4
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	23	5.4	1.4
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	18	4.2	*
6	Pregnancy, childbirth and the puerperium..... (O00–O99)	16	3.8	*
7	Cerebrovascular diseases..... (I60–I69)	11	2.6	*
8	Diabetes mellitus..... (E10–E14)	8	1.9	*
9	Chronic lower respiratory diseases..... (J40–J47)	6	1.4	*
10	Chronic liver disease and cirrhosis..... (K70,K73–K74)	4	0.9	*
...	All other causes..... (residual)	86	20.2	5.2
Non-Hispanic Asian, female, 35–44 years				
...	All causes.....	723	100.0	44.7
1	Malignant neoplasms..... (C00–C97)	290	40.1	17.9
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	77	10.7	4.8
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	58	8.0	3.6
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	50	6.9	3.1
5	Cerebrovascular diseases..... (I60–I69)	35	4.8	2.2
6	Pregnancy, childbirth and the puerperium..... (O00–O99)	23	3.2	1.4
7	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	19	2.6	*
8	Chronic liver disease and cirrhosis..... (K70,K73–K74)	18	2.5	*
9	Diabetes mellitus..... (E10–E14)	14	1.9	*
10	Influenza and pneumonia..... (J09–J18)	11	1.5	*
...	All other causes..... (residual)	128	17.7	7.9
Non-Hispanic Asian, female, 45–54 years				
...	All causes.....	1,584	100.0	113.5
1	Malignant neoplasms..... (C00–C97)	884	55.8	63.4
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	124	7.8	8.9
3	Cerebrovascular diseases..... (I60–I69)	101	6.4	7.2
4	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	84	5.3	6.0
5	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	70	4.4	5.0
6	Diabetes mellitus..... (E10–E14)	42	2.7	3.0
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	34	2.1	2.4
8	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	20	1.3	1.4
9	Influenza and pneumonia..... (J09–J18)	15	0.9	*
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	14	0.9	*
...	All other causes..... (residual)	196	12.4	14.0
Non-Hispanic Asian, female, 55–64 years				
...	All causes.....	3,063	100.0	264.7
1	Malignant neoplasms..... (C00–C97)	1,568	51.2	135.5
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	381	12.4	32.9
3	Cerebrovascular diseases..... (I60–I69)	202	6.6	17.5
4	Diabetes mellitus..... (E10–E14)	128	4.2	11.1
5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	97	3.2	8.4
6	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	56	1.8	4.8
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	48	1.6	4.1
8	Influenza and pneumonia..... (J09–J18)	46	1.5	4.0
9	Septicemia..... (A40–A41)	40	1.3	3.5
10	Chronic lower respiratory diseases..... (J40–J47)	34	1.1	2.9
...	All other causes..... (residual)	463	15.1	40.0

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Asian, female, 65 years and over				
...	All causes.....	28,213	100.0	1,988.5
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	6,170	21.9	434.9
2	Malignant neoplasms..... (C00–C97)	5,930	21.0	418.0
3	Cerebrovascular diseases..... (I60–I69)	2,685	9.5	189.2
4	Alzheimer disease..... (G30)	1,989	7.0	140.2
5	Diabetes mellitus..... (E10–E14)	1,241	4.4	87.5
6	Influenza and pneumonia..... (J09–J18)	794	2.8	56.0
7	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	747	2.6	52.6
8	Chronic lower respiratory diseases..... (J40–J47)	725	2.6	51.1
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	676	2.4	47.6
10	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	670	2.4	47.2
...	All other causes..... (residual)	6,586	23.3	464.2
Non-Hispanic Asian, female, 65–74 years				
...	All causes.....	5,416	100.0	646.8
1	Malignant neoplasms..... (C00–C97)	2,155	39.8	257.4
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	882	16.3	105.3
3	Cerebrovascular diseases..... (I60–I69)	418	7.7	49.9
4	Diabetes mellitus..... (E10–E14)	282	5.2	33.7
5	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	146	2.7	17.4
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	139	2.6	16.6
7	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	100	1.8	11.9
8	Influenza and pneumonia..... (J09–J18)	88	1.6	10.5
9	Chronic lower respiratory diseases..... (J40–J47)	71	1.3	8.5
10	Septicemia..... (A40–A41)	68	1.3	8.1
...	All other causes..... (residual)	1,067	19.7	127.4
Non-Hispanic Asian, female, 75–84 years				
...	All causes.....	8,251	100.0	2,065.2
1	Malignant neoplasms..... (C00–C97)	2,074	25.1	519.1
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1,705	20.7	426.8
3	Cerebrovascular diseases..... (I60–I69)	763	9.2	191.0
4	Diabetes mellitus..... (E10–E14)	438	5.3	109.6
5	Alzheimer disease..... (G30)	338	4.1	84.6
6	Chronic lower respiratory diseases..... (J40–J47)	233	2.8	58.3
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	221	2.7	55.3
8	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	217	2.6	54.3
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	192	2.3	48.1
10	Influenza and pneumonia..... (J09–J18)	187	2.3	46.8
...	All other causes..... (residual)	1,883	22.8	471.3
Non-Hispanic Asian, female, 85 years and over				
...	All causes.....	14,546	100.0	7,992.7
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	3,583	24.6	1,968.8
2	Malignant neoplasms..... (C00–C97)	1,701	11.7	934.7
3	Alzheimer disease..... (G30)	1,594	11.0	875.9
4	Cerebrovascular diseases..... (I60–I69)	1,504	10.3	826.4
5	Diabetes mellitus..... (E10–E14)	521	3.6	286.3
6	Influenza and pneumonia..... (J09–J18)	519	3.6	285.2
7	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	455	3.1	250.0
8	Chronic lower respiratory diseases..... (J40–J47)	421	2.9	231.3
9	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	314	2.2	172.5
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	309	2.1	169.8
...	All other causes..... (residual)	3,625	24.9	1,991.9

**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, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes, all ages <sup>4</sup>				
...	All causes. ....	3,491	100.0	585.8
1	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	870	24.9	146.0
2	Malignant neoplasms . . . . . (C00–C97)	752	21.5	126.2
3	Cerebrovascular diseases . . . . . (I60–I69)	242	6.9	40.6
4	Diabetes mellitus . . . . . (E10–E14)	224	6.4	37.6
5	Accidents (unintentional injuries). . . . . (V01–X59,Y85–Y86)	189	5.4	31.7
6	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	90	2.6	15.1
7	Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)	88	2.5	14.8
8	Influenza and pneumonia . . . . . (J09–J18)	79	2.3	13.3
9	Chronic lower respiratory diseases . . . . . (J40–J47)	76	2.2	12.8
10	Alzheimer disease . . . . . (G30)	62	1.8	10.4
...	All other causes . . . . . (residual)	819	23.5	137.4
Non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes, 1–4 years				
...	All causes. ....	11	100.0	*
1	Malignant neoplasms . . . . . (C00–C97)	4	36.4	*
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	2	18.2	*
3	Accidents (unintentional injuries). . . . . (V01–X59,Y85–Y86)	1	9.1	*
3	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	1	9.1	*
...	All other causes . . . . . (residual)	3	27.3	*
Non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes, 5–9 years				
...	All causes. ....	8	100.0	*
1	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	2	25.0	*
2	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior. . . . . (D00–D48)	1	12.5	*
2	Cerebrovascular diseases . . . . . (I60–I69)	1	12.5	*
2	Accidents (unintentional injuries). . . . . (V01–X59,Y85–Y86)	1	12.5	*
...	All other causes . . . . . (residual)	3	37.5	*
Non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes, 10–14 years				
...	All causes. ....	10	100.0	*
1	Malignant neoplasms . . . . . (C00–C97)	2	20.0	*
1	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	2	20.0	*
1	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	2	20.0	*
4	Influenza and pneumonia . . . . . (J09–J18)	1	10.0	*
4	Certain conditions originating in the perinatal period. . . . . (P00–P96)	1	10.0	*
...	All other causes . . . . . (residual)	2	20.0	*
Non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes, 15–19 years				
...	All causes. ....	37	100.0	89.2
1	Accidents (unintentional injuries). . . . . (V01–X59,Y85–Y86)	11	29.7	*
2	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	10	27.0	*
3	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	5	13.5	*
4	Malignant neoplasms . . . . . (C00–C97)	4	10.8	*
5	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	2	5.4	*
6	Influenza and pneumonia . . . . . (J09–J18)	1	2.7	*
...	All other causes . . . . . (residual)	4	10.8	*

**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, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes, 20–24 years				
...	All causes . . . . .	55	100.0	127.8
1	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	17	30.9	*
2	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	14	25.5	*
3	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	5	9.1	*
4	Malignant neoplasms . . . . . (C00–C97)	4	7.3	*
5	Cerebrovascular diseases . . . . . (I60–I69)	2	3.6	*
5	Pregnancy, childbirth and the puerperium . . . . . (O00–O99)	2	3.6	*
5	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	2	3.6	*
5	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	2	3.6	*
9	Septicemia . . . . . (A40–A41)	1	1.8	*
...	All other causes . . . . . (residual)	6	10.9	*
Non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes, 25–34 years				
...	All causes . . . . .	177	100.0	172.0
1	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	40	22.6	38.9
2	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	34	19.2	33.0
3	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	31	17.5	30.1
4	Malignant neoplasms . . . . . (C00–C97)	18	10.2	*
5	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	11	6.2	*
6	Diabetes mellitus . . . . . (E10–E14)	4	2.3	*
7	Influenza and pneumonia . . . . . (J09–J18)	3	1.7	*
7	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	3	1.7	*
9	Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)	2	1.1	*
9	Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)	2	1.1	*
...	All other causes . . . . . (residual)	29	16.4	28.2
Non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes, 35–44 years				
...	All causes . . . . .	260	100.0	288.6
1	Malignant neoplasms . . . . . (C00–C97)	53	20.4	58.8
2	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	52	20.0	57.7
3	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	38	14.6	42.2
4	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	19	7.3	*
5	Diabetes mellitus . . . . . (E10–E14)	14	5.4	*
6	Cerebrovascular diseases . . . . . (I60–I69)	10	3.8	*
7	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	7	2.7	*
8	Influenza and pneumonia . . . . . (J09–J18)	6	2.3	*
9	Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)	4	1.5	*
9	Pregnancy, childbirth and the puerperium . . . . . (O00–O99)	4	1.5	*
...	All other causes . . . . . (residual)	53	20.4	58.8
Non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes, 45–54 years				
...	All causes . . . . .	414	100.0	572.1
1	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	116	28.0	160.3
2	Malignant neoplasms . . . . . (C00–C97)	90	21.7	124.4
3	Diabetes mellitus . . . . . (E10–E14)	39	9.4	53.9
4	Cerebrovascular diseases . . . . . (I60–I69)	29	7.0	40.1
5	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	26	6.3	35.9
6	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	12	2.9	*
7	Influenza and pneumonia . . . . . (J09–J18)	10	2.4	*
8	Septicemia . . . . . (A40–A41)	8	1.9	*
8	Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)	8	1.9	*
10	Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)	7	1.7	*
...	All other causes . . . . . (residual)	69	16.7	95.4



**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes, 55–64 years				
...	All causes.....	653	100.0	1,031.6
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	186	28.5	293.8
2	Malignant neoplasms..... (C00–C97)	182	27.9	287.5
3	Diabetes mellitus..... (E10–E14)	53	8.1	83.7
4	Cerebrovascular diseases..... (I60–I69)	45	6.9	71.1
5	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	14	2.1	*
5	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	14	2.1	*
7	Septicemia..... (A40–A41)	13	2.0	*
7	Influenza and pneumonia..... (J09–J18)	13	2.0	*
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	13	2.0	*
10	Chronic lower respiratory diseases..... (J40–J47)	10	1.5	*
...	All other causes..... (residual)	110	16.8	173.8
Non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes, 65 years and over				
...	All causes.....	1,795	100.0	2,969.1
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	474	26.4	784.0
2	Malignant neoplasms..... (C00–C97)	394	21.9	651.7
3	Cerebrovascular diseases..... (I60–I69)	152	8.5	251.4
4	Diabetes mellitus..... (E10–E14)	114	6.4	188.6
5	Alzheimer disease..... (G30)	62	3.5	102.6
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	61	3.4	100.9
7	Chronic lower respiratory diseases..... (J40–J47)	59	3.3	97.6
8	Influenza and pneumonia..... (J09–J18)	44	2.5	72.8
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	39	2.2	64.5
10	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	34	1.9	56.2
...	All other causes..... (residual)	362	20.2	598.8
Non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes, 65–74 years				
...	All causes.....	842	100.0	2,165.8
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	238	28.3	612.2
2	Malignant neoplasms..... (C00–C97)	230	27.3	591.6
3	Diabetes mellitus..... (E10–E14)	69	8.2	177.5
4	Cerebrovascular diseases..... (I60–I69)	54	6.4	138.9
5	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	30	3.6	77.2
6	Chronic lower respiratory diseases..... (J40–J47)	22	2.6	56.6
7	Septicemia..... (A40–A41)	14	1.7	*
7	Influenza and pneumonia..... (J09–J18)	14	1.7	*
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	14	1.7	*
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	11	1.3	*
...	All other causes..... (residual)	146	17.3	375.5
Non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes, 75–84 years				
...	All causes.....	579	100.0	3,637.2
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	130	22.5	816.6
2	Malignant neoplasms..... (C00–C97)	117	20.2	735.0
3	Cerebrovascular diseases..... (I60–I69)	63	10.9	395.8
4	Diabetes mellitus..... (E10–E14)	33	5.7	207.3
5	Chronic lower respiratory diseases..... (J40–J47)	28	4.8	175.9
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	22	3.8	138.2
7	Alzheimer disease..... (G30)	19	3.3	*
8	Influenza and pneumonia..... (J09–J18)	15	2.6	*
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	13	2.2	*
10	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	12	2.1	*
...	All other causes..... (residual)	127	21.9	797.8

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes, 85 years and over				
...	All causes. ....	374	100.0	6,606.6
1	Diseases of heart. .... (I00-I09,I11,I13,I20-I51)	106	28.3	1,872.5
2	Malignant neoplasms. .... (C00-C97)	47	12.6	830.2
3	Alzheimer disease. .... (G30)	35	9.4	618.3
3	Cerebrovascular diseases. .... (I60-I69)	35	9.4	618.3
5	Essential hypertension and hypertensive renal disease. .... (I10,I12,I15)	15	4.0	*
5	Influenza and pneumonia. .... (J09-J18)	15	4.0	*
7	Diabetes mellitus. .... (E10-E14)	12	3.2	*
8	Chronic lower respiratory diseases. .... (J40-J47)	9	2.4	*
8	Nephritis, nephrotic syndrome and nephrosis. .... (N00-N07,N17-N19,N25-N27)	9	2.4	*
10	Accidents (unintentional injuries). .... (V01-X59,Y85-Y86)	8	2.1	*
...	All other causes. .... (residual)	83	22.2	1,466.2
Non-Hispanic Native Hawaiian or Other Pacific Islander, male, all ages <sup>4</sup>				
...	All causes. ....	1,938	100.0	646.5
1	Diseases of heart. .... (I00-I09,I11,I13,I20-I51)	544	28.1	181.5
2	Malignant neoplasms. .... (C00-C97)	375	19.3	125.1
3	Accidents (unintentional injuries). .... (V01-X59,Y85-Y86)	143	7.4	47.7
4	Diabetes mellitus. .... (E10-E14)	114	5.9	38.0
5	Cerebrovascular diseases. .... (I60-I69)	110	5.7	36.7
6	Intentional self-harm (suicide). .... (*U03,X60-X84,Y87.0)	72	3.7	24.0
7	Nephritis, nephrotic syndrome and nephrosis. .... (N00-N07,N17-N19,N25-N27)	47	2.4	15.7
8	Influenza and pneumonia. .... (J09-J18)	38	2.0	12.7
8	Chronic lower respiratory diseases. .... (J40-J47)	38	2.0	12.7
10	Assault (homicide). .... (*U01-*U02,X85-Y09,Y87.1)	29	1.5	9.7
...	All other causes. .... (residual)	428	22.1	142.8
Non-Hispanic Native Hawaiian or Other Pacific Islander, male, 1-4 years				
...	All causes. ....	6	100.0	*
1	Malignant neoplasms. .... (C00-C97)	1	16.7	*
1	Congenital malformations, deformations and chromosomal abnormalities. .... (Q00-Q99)	1	16.7	*
1	Accidents (unintentional injuries). .... (V01-X59,Y85-Y86)	1	16.7	*
1	Assault (homicide). .... (*U01-*U02,X85-Y09,Y87.1)	1	16.7	*
...	All other causes. .... (residual)	2	33.3	*
Non-Hispanic Native Hawaiian or Other Pacific Islander, male, 5-9 years				
...	All causes. ....	6	100.0	*
1	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior. .... (D00-D48)	1	16.7	*
1	Diseases of heart. .... (I00-I09,I11,I13,I20-I51)	1	16.7	*
1	Cerebrovascular diseases. .... (I60-I69)	1	16.7	*
1	Accidents (unintentional injuries). .... (V01-X59,Y85-Y86)	1	16.7	*
...	All other causes. .... (residual)	2	33.3	*
Non-Hispanic Native Hawaiian or Other Pacific Islander, male, 10-14 years				
...	All causes. ....	6	100.0	*
1	Malignant neoplasms. .... (C00-C97)	1	16.7	*
1	Influenza and pneumonia. .... (J09-J18)	1	16.7	*
1	Certain conditions originating in the perinatal period. .... (P00-P96)	1	16.7	*
1	Assault (homicide). .... (*U01-*U02,X85-Y09,Y87.1)	1	16.7	*
...	All other causes. .... (residual)	2	33.3	*

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Native Hawaiian or Other Pacific Islander, male, 15–19 years				
...	All causes.....	23	100.0	108.4
1	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	8	34.8	*
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	7	30.4	*
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	4	17.4	*
4	Malignant neoplasms..... (C00–C97)	1	4.3	*
4	Influenza and pneumonia..... (J09–J18)	1	4.3	*
4	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	1	4.3	*
...	All other causes..... (residual)	1	4.3	*
Non-Hispanic Native Hawaiian or Other Pacific Islander, male, 20–24 years				
...	All causes.....	39	100.0	176.4
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	14	35.9	*
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	12	30.8	*
3	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	4	10.3	*
4	Malignant neoplasms..... (C00–C97)	2	5.1	*
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	2	5.1	*
6	Cerebrovascular diseases..... (I60–I69)	1	2.6	*
...	All other causes..... (residual)	4	10.3	*
Non-Hispanic Native Hawaiian or Other Pacific Islander, male, 25–34 years				
...	All causes.....	130	100.0	245.8
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	34	26.2	64.3
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	28	21.5	52.9
3	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	21	16.2	39.7
4	Malignant neoplasms..... (C00–C97)	11	8.5	*
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	7	5.4	*
6	Influenza and pneumonia..... (J09–J18)	3	2.3	*
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	3	2.3	*
8	Diabetes mellitus..... (E10–E14)	2	1.5	*
8	Chronic liver disease and cirrhosis..... (K70,K73–K74)	2	1.5	*
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	2	1.5	*
...	All other causes..... (residual)	17	13.1	*
Non-Hispanic Native Hawaiian or Other Pacific Islander, male, 35–44 years				
...	All causes.....	164	100.0	356.5
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	39	23.8	84.8
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	34	20.7	73.9
3	Malignant neoplasms..... (C00–C97)	24	14.6	52.2
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	14	8.5	*
5	Diabetes mellitus..... (E10–E14)	6	3.7	*
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	6	3.7	*
7	Cerebrovascular diseases..... (I60–I69)	5	3.0	*
8	Influenza and pneumonia..... (J09–J18)	4	2.4	*
9	Chronic lower respiratory diseases..... (J40–J47)	3	1.8	*
10	Tuberculosis..... (A16–A19)	1	0.6	*
10	Septicemia..... (A40–A41)	1	0.6	*
10	Human immunodeficiency virus (HIV) disease..... (B20–B24)	1	0.6	*
10	Aortic aneurysm and dissection..... (I71)	1	0.6	*
10	Chronic liver disease and cirrhosis..... (K70,K73–K74)	1	0.6	*
10	Cholelithiasis and other disorders of gallbladder..... (K80–K82)	1	0.6	*
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1	0.6	*
10	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	1	0.6	*
10	Complications of medical and surgical care..... (Y40–Y84,Y88)	1	0.6	*
...	All other causes..... (residual)	20	12.2	43.5

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Native Hawaiian or Other Pacific Islander, male, 45–54 years				
...	All causes.....	251	100.0	693.2
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	85	33.9	234.7
2	Malignant neoplasms..... (C00–C97)	45	17.9	124.3
3	Diabetes mellitus..... (E10–E14)	23	9.2	63.5
4	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	21	8.4	58.0
5	Cerebrovascular diseases..... (I60–I69)	14	5.6	*
6	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	9	3.6	*
7	Septicemia..... (A40–A41)	5	2.0	*
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	5	2.0	*
9	Influenza and pneumonia..... (J09–J18)	4	1.6	*
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	4	1.6	*
...	All other causes..... (residual)	36	14.3	99.4
Non-Hispanic Native Hawaiian or Other Pacific Islander, male, 55–64 years				
...	All causes.....	374	100.0	1,214.7
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	128	34.2	415.7
2	Malignant neoplasms..... (C00–C97)	98	26.2	318.3
3	Diabetes mellitus..... (E10–E14)	28	7.5	90.9
4	Cerebrovascular diseases..... (I60–I69)	23	6.1	74.7
5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	11	2.9	*
6	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	8	2.1	*
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	8	2.1	*
8	Septicemia..... (A40–A41)	6	1.6	*
9	Influenza and pneumonia..... (J09–J18)	4	1.1	*
10	Aortic aneurysm and dissection..... (I71)	3	0.8	*
10	Chronic lower respiratory diseases..... (J40–J47)	3	0.8	*
10	Chronic liver disease and cirrhosis..... (K70,K73–K74)	3	0.8	*
10	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	3	0.8	*
...	All other causes..... (residual)	48	12.8	155.9
Non-Hispanic Native Hawaiian or Other Pacific Islander, male, 65 years and over				
...	All causes.....	896	100.0	3,173.4
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	265	29.6	938.6
2	Malignant neoplasms..... (C00–C97)	192	21.4	680.0
3	Cerebrovascular diseases..... (I60–I69)	65	7.3	230.2
4	Diabetes mellitus..... (E10–E14)	55	6.1	194.8
5	Chronic lower respiratory diseases..... (J40–J47)	32	3.6	113.3
5	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	32	3.6	113.3
7	Alzheimer disease..... (G30)	22	2.5	77.9
8	Influenza and pneumonia..... (J09–J18)	20	2.2	70.8
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	17	1.9	*
10	Parkinson disease..... (G20–G21)	15	1.7	*
10	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	15	1.7	*
...	All other causes..... (residual)	166	18.5	587.9

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Native Hawaiian or Other Pacific Islander, male, 65–74 years				
...	All causes.....	471	100.0	2,529.0
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	156	33.1	837.6
2	Malignant neoplasms..... (C00–C97)	116	24.6	622.9
3	Diabetes mellitus..... (E10–E14)	38	8.1	204.0
4	Cerebrovascular diseases..... (I60–I69)	24	5.1	128.9
5	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	16	3.4	*
6	Chronic lower respiratory diseases..... (J40–J47)	15	3.2	*
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	9	1.9	*
8	Septicemia..... (A40–A41)	7	1.5	*
8	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	7	1.5	*
10	Influenza and pneumonia..... (J09–J18)	6	1.3	*
...	All other causes..... (residual)	77	16.3	413.4
Non-Hispanic Native Hawaiian or Other Pacific Islander, male, 75–84 years				
...	All causes.....	287	100.0	3,897.9
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	71	24.7	964.3
2	Malignant neoplasms..... (C00–C97)	57	19.9	774.1
3	Cerebrovascular diseases..... (I60–I69)	26	9.1	353.1
4	Chronic lower respiratory diseases..... (J40–J47)	14	4.9	*
5	Diabetes mellitus..... (E10–E14)	13	4.5	*
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	11	3.8	*
7	Parkinson disease..... (G20–G21)	9	3.1	*
8	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	8	2.8	*
8	Influenza and pneumonia..... (J09–J18)	8	2.8	*
10	Alzheimer disease..... (G30)	6	2.1	*
...	All other causes..... (residual)	64	22.3	869.2
Non-Hispanic Native Hawaiian or Other Pacific Islander, male, 85 years and over				
...	All causes.....	138	100.0	6,138.8
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	38	27.5	1,690.4
2	Malignant neoplasms..... (C00–C97)	19	13.8	*
3	Cerebrovascular diseases..... (I60–I69)	15	10.9	*
4	Alzheimer disease..... (G30)	11	8.0	*
5	Influenza and pneumonia..... (J09–J18)	6	4.3	*
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	5	3.6	*
7	Diabetes mellitus..... (E10–E14)	4	2.9	*
7	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	4	2.9	*
9	Chronic lower respiratory diseases..... (J40–J47)	3	2.2	*
9	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	3	2.2	*
...	All other causes..... (residual)	30	21.7	1,334.5
Non-Hispanic Native Hawaiian or Other Pacific Islander, female, all ages <sup>4</sup>				
...	All causes.....	1,553	100.0	524.4
1	Malignant neoplasms..... (C00–C97)	377	24.3	127.3
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	326	21.0	110.1
3	Cerebrovascular diseases..... (I60–I69)	132	8.5	44.6
4	Diabetes mellitus..... (E10–E14)	110	7.1	37.1
5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	46	3.0	15.5
6	Influenza and pneumonia..... (J09–J18)	41	2.6	13.8
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	41	2.6	13.8
8	Alzheimer disease..... (G30)	40	2.6	13.5
9	Chronic lower respiratory diseases..... (J40–J47)	38	2.4	12.8
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	29	1.9	9.8
...	All other causes..... (residual)	373	24.0	126.0

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Native Hawaiian or Other Pacific Islander, female, 1–4 years				
...	All causes.....	5	100.0	*
1	Malignant neoplasms..... (C00–C97)	3	60.0	*
2	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	1	20.0	*
...	All other causes..... (residual)	1	20.0	*
Non-Hispanic Native Hawaiian or Other Pacific Islander, female, 5–9 years				
...	All causes.....	2	100.0	*
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1	50.0	*
...	All other causes..... (residual)	1	50.0	*
Non-Hispanic Native Hawaiian or Other Pacific Islander, female, 10–14 years				
...	All causes.....	4	100.0	*
1	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	2	50.0	*
2	Malignant neoplasms..... (C00–C97)	1	25.0	*
2	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	1	25.0	*
...	All other causes..... (residual)	0	0.0	*
Non-Hispanic Native Hawaiian or Other Pacific Islander, female, 15–19 years				
...	All causes.....	14	100.0	*
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	4	28.6	*
2	Malignant neoplasms..... (C00–C97)	3	21.4	*
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	2	14.3	*
4	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	1	7.1	*
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1	7.1	*
...	All other causes..... (residual)	3	21.4	*
Non-Hispanic Native Hawaiian or Other Pacific Islander, female, 20–24 years				
...	All causes.....	16	100.0	*
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	3	18.8	*
2	Malignant neoplasms..... (C00–C97)	2	12.5	*
2	Pregnancy, childbirth and the puerperium..... (O00–O99)	2	12.5	*
2	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	2	12.5	*
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	2	12.5	*
6	Septicemia..... (A40–A41)	1	6.3	*
6	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1	6.3	*
6	Cerebrovascular diseases..... (I60–I69)	1	6.3	*
...	All other causes..... (residual)	2	12.5	*
Non-Hispanic Native Hawaiian or Other Pacific Islander, female, 25–34 years				
...	All causes.....	47	100.0	94.0
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	13	27.7	*
2	Malignant neoplasms..... (C00–C97)	7	14.9	*
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	6	12.8	*
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	4	8.5	*
5	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	3	6.4	*
6	Diabetes mellitus..... (E10–E14)	2	4.3	*
7	Septicemia..... (A40–A41)	1	2.1	*
7	Human immunodeficiency virus (HIV) disease..... (B20–B24)	1	2.1	*
7	Cerebrovascular diseases..... (I60–I69)	1	2.1	*
7	Pregnancy, childbirth and the puerperium..... (O00–O99)	1	2.1	*
...	All other causes..... (residual)	8	17.0	*

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Native Hawaiian or Other Pacific Islander, female, 35–44 years				
...	All causes.....	96	100.0	217.7
1	Malignant neoplasms..... (C00–C97)	29	30.2	65.8
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	13	13.5	*
3	Diabetes mellitus..... (E10–E14)	8	8.3	*
4	Cerebrovascular diseases..... (I60–I69)	5	5.2	*
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	5	5.2	*
6	Pregnancy, childbirth and the puerperium..... (O00–O99)	4	4.2	*
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	4	4.2	*
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	3	3.1	*
9	Septicemia..... (A40–A41)	2	2.1	*
9	Influenza and pneumonia..... (J09–J18)	2	2.1	*
...	All other causes..... (residual)	21	21.9	47.6
Non-Hispanic Native Hawaiian or Other Pacific Islander, female, 45–54 years				
...	All causes.....	163	100.0	450.9
1	Malignant neoplasms..... (C00–C97)	45	27.6	124.5
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	31	19.0	85.7
3	Diabetes mellitus..... (E10–E14)	16	9.8	*
4	Cerebrovascular diseases..... (I60–I69)	15	9.2	*
5	Influenza and pneumonia..... (J09–J18)	6	3.7	*
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	5	3.1	*
7	Septicemia..... (A40–A41)	3	1.8	*
7	Chronic lower respiratory diseases..... (J40–J47)	3	1.8	*
7	Pneumonitis due to solids and liquids..... (J69)	3	1.8	*
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	3	1.8	*
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	3	1.8	*
7	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	3	1.8	*
...	All other causes..... (residual)	27	16.6	74.7
Non-Hispanic Native Hawaiian or Other Pacific Islander, female, 55–64 years				
...	All causes.....	279	100.0	858.2
1	Malignant neoplasms..... (C00–C97)	84	30.1	258.4
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	58	20.8	178.4
3	Diabetes mellitus..... (E10–E14)	25	9.0	76.9
4	Cerebrovascular diseases..... (I60–I69)	22	7.9	67.7
5	Influenza and pneumonia..... (J09–J18)	9	3.2	*
6	Septicemia..... (A40–A41)	7	2.5	*
6	Chronic lower respiratory diseases..... (J40–J47)	7	2.5	*
8	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	6	2.2	*
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	6	2.2	*
10	Aortic aneurysm and dissection..... (I71)	3	1.1	*
10	Chronic liver disease and cirrhosis..... (K70,K73–K74)	3	1.1	*
...	All other causes..... (residual)	49	17.6	150.7
Non-Hispanic Native Hawaiian or Other Pacific Islander, female, 65 years and over				
...	All causes.....	899	100.0	2,790.0
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	209	23.2	648.6
2	Malignant neoplasms..... (C00–C97)	202	22.5	626.9
3	Cerebrovascular diseases..... (I60–I69)	87	9.7	270.0
4	Diabetes mellitus..... (E10–E14)	59	6.6	183.1
5	Alzheimer disease..... (G30)	40	4.4	124.1
6	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	29	3.2	90.0
7	Chronic lower respiratory diseases..... (J40–J47)	27	3.0	83.8
8	Influenza and pneumonia..... (J09–J18)	24	2.7	74.5
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	22	2.4	68.3
10	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	19	2.1	*
...	All other causes..... (residual)	181	20.1	561.7

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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Non-Hispanic Native Hawaiian or Other Pacific Islander, female, 65–74 years				
...	All causes.....	371	100.0	1,831.8
1	Malignant neoplasms..... (C00–C97)	114	30.7	562.9
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	82	22.1	404.9
3	Diabetes mellitus..... (E10–E14)	31	8.4	153.1
4	Cerebrovascular diseases..... (I60–I69)	30	8.1	148.1
5	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	14	3.8	*
6	Influenza and pneumonia..... (J09–J18)	8	2.2	*
7	Septicemia..... (A40–A41)	7	1.9	*
7	Chronic lower respiratory diseases..... (J40–J47)	7	1.9	*
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	7	1.9	*
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	6	1.6	*
...	All other causes..... (residual)	65	17.5	320.9
Non-Hispanic Native Hawaiian or Other Pacific Islander, female, 75–84 years				
...	All causes.....	292	100.0	3,412.8
1	Malignant neoplasms..... (C00–C97)	60	20.5	701.3
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	59	20.2	689.6
3	Cerebrovascular diseases..... (I60–I69)	37	12.7	432.4
4	Diabetes mellitus..... (E10–E14)	20	6.8	233.8
5	Chronic lower respiratory diseases..... (J40–J47)	14	4.8	*
6	Alzheimer disease..... (G30)	13	4.5	*
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	11	3.8	*
8	Influenza and pneumonia..... (J09–J18)	7	2.4	*
8	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	7	2.4	*
10	Septicemia..... (A40–A41)	5	1.7	*
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	5	1.7	*
...	All other causes..... (residual)	54	18.5	631.1
Non-Hispanic Native Hawaiian or Other Pacific Islander, female, 85 years and over				
...	All causes.....	236	100.0	6,914.7
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	68	28.8	1,992.4
2	Malignant neoplasms..... (C00–C97)	28	11.9	820.4
3	Alzheimer disease..... (G30)	24	10.2	703.2
4	Cerebrovascular diseases..... (I60–I69)	20	8.5	586.0
5	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	11	4.7	*
6	Influenza and pneumonia..... (J09–J18)	9	3.8	*
7	Diabetes mellitus..... (E10–E14)	8	3.4	*
8	Chronic lower respiratory diseases..... (J40–J47)	6	2.5	*
9	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	5	2.1	*
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	4	1.7	*
...	All other causes..... (residual)	53	22.5	1,552.9
Hispanic, both sexes, all ages <sup>4</sup>				
...	All causes.....	212,397	100.0	350.7
1	Malignant neoplasms..... (C00–C97)	43,079	20.3	71.1
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	41,794	19.7	69.0
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	18,874	8.9	31.2
4	Cerebrovascular diseases..... (I60–I69)	11,959	5.6	19.7
5	Diabetes mellitus..... (E10–E14)	10,166	4.8	16.8
6	Alzheimer disease..... (G30)	8,221	3.9	13.6
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	6,877	3.2	11.4
8	Chronic lower respiratory diseases..... (J40–J47)	5,700	2.7	9.4
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	4,488	2.1	7.4
10	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	4,331	2.0	7.2
...	All other causes..... (residual)	56,908	26.8	94.0



**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Hispanic, both sexes, 1–4 years				
...	All causes.....	772	100.0	18.8
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	235	30.4	5.7
2	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	90	11.7	2.2
3	Malignant neoplasms..... (C00–C97)	78	10.1	1.9
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	41	5.3	1.0
5	Influenza and pneumonia..... (J09–J18)	27	3.5	0.7
6	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	26	3.4	0.6
7	Cerebrovascular diseases..... (I60–I69)	11	1.4	*
8	Septicemia..... (A40–A41)	10	1.3	*
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	10	1.3	*
10	Chronic lower respiratory diseases..... (J40–J47)	7	0.9	*
10	Certain conditions originating in the perinatal period..... (P00–P96)	7	0.9	*
...	All other causes..... (residual)	230	29.8	5.6
Hispanic, both sexes, 5–9 years				
...	All causes.....	510	100.0	9.7
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	156	30.6	3.0
2	Malignant neoplasms..... (C00–C97)	103	20.2	2.0
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	45	8.8	0.9
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	24	4.7	0.5
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	14	2.7	*
6	Influenza and pneumonia..... (J09–J18)	12	2.4	*
7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	8	1.6	*
7	Chronic lower respiratory diseases..... (J40–J47)	8	1.6	*
9	Septicemia..... (A40–A41)	7	1.4	*
10	Certain conditions originating in the perinatal period..... (P00–P96)	6	1.2	*
...	All other causes..... (residual)	127	24.9	2.4
Hispanic, both sexes, 10–14 years				
...	All causes.....	671	100.0	12.6
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	161	24.0	3.0
2	Malignant neoplasms..... (C00–C97)	110	16.4	2.1
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	92	13.7	1.7
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	46	6.9	0.9
5	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	45	6.7	0.8
6	Cerebrovascular diseases..... (I60–I69)	15	2.2	*
7	Influenza and pneumonia..... (J09–J18)	14	2.1	*
8	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	13	1.9	*
9	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	12	1.8	*
10	Chronic lower respiratory diseases..... (J40–J47)	8	1.2	*
...	All other causes..... (residual)	155	23.1	2.9
Hispanic, both sexes, 15–19 years				
...	All causes.....	2,188	100.0	43.4
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	859	39.3	17.0
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	385	17.6	7.6
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	374	17.1	7.4
4	Malignant neoplasms..... (C00–C97)	163	7.4	3.2
5	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	38	1.7	0.8
6	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	35	1.6	0.7
7	Cerebrovascular diseases..... (I60–I69)	15	0.7	*
8	Influenza and pneumonia..... (J09–J18)	14	0.6	*
9	Legal intervention..... (Y35,Y89.0)	11	0.5	*
10	Diabetes mellitus..... (E10–E14)	8	0.4	*
10	Complications of medical and surgical care..... (Y40–Y84,Y88)	8	0.4	*
...	All other causes..... (residual)	278	12.7	5.5

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Hispanic, both sexes, 20–24 years				
...	All causes.....	3,866	100.0	79.8
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,730	44.7	35.7
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	669	17.3	13.8
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	513	13.3	10.6
4	Malignant neoplasms..... (C00–C97)	229	5.9	4.7
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	91	2.4	1.9
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	52	1.3	1.1
7	Pregnancy, childbirth and the puerperium..... (O00–O99)	31	0.8	0.6
8	Cerebrovascular diseases..... (I60–I69)	29	0.8	0.6
9	Chronic lower respiratory diseases..... (J40–J47)	22	0.6	0.5
10	Diabetes mellitus..... (E10–E14)	21	0.5	0.4
...	All other causes..... (residual)	479	12.4	9.9
Hispanic, both sexes, 25–34 years				
...	All causes.....	9,269	100.0	97.3
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	3,811	41.1	40.0
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	1,090	11.8	11.4
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	905	9.8	9.5
4	Malignant neoplasms..... (C00–C97)	790	8.5	8.3
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	452	4.9	4.7
6	Chronic liver disease and cirrhosis..... (K70,K73–K74)	255	2.8	2.7
7	Diabetes mellitus..... (E10–E14)	128	1.4	1.3
8	Cerebrovascular diseases..... (I60–I69)	106	1.1	1.1
9	Human immunodeficiency virus (HIV) disease..... (B20–B24)	85	0.9	0.9
10	Influenza and pneumonia..... (J09–J18)	80	0.9	0.8
...	All other causes..... (residual)	1,567	16.9	16.5
Hispanic, both sexes, 35–44 years				
...	All causes.....	11,929	100.0	137.8
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	3,352	28.1	38.7
2	Malignant neoplasms..... (C00–C97)	1,861	15.6	21.5
3	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1,278	10.7	14.8
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	774	6.5	8.9
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	750	6.3	8.7
6	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	586	4.9	6.8
7	Cerebrovascular diseases..... (I60–I69)	345	2.9	4.0
8	Diabetes mellitus..... (E10–E14)	340	2.9	3.9
9	Influenza and pneumonia..... (J09–J18)	153	1.3	1.8
10	Human immunodeficiency virus (HIV) disease..... (B20–B24)	135	1.1	1.6
...	All other causes..... (residual)	2,355	19.7	27.2
Hispanic, both sexes, 45–54 years				
...	All causes.....	19,062	100.0	267.4
1	Malignant neoplasms..... (C00–C97)	4,414	23.2	61.9
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	3,069	16.1	43.1
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	2,828	14.8	39.7
4	Chronic liver disease and cirrhosis..... (K70,K73–K74)	1,437	7.5	20.2
5	Diabetes mellitus..... (E10–E14)	1,023	5.4	14.4
6	Cerebrovascular diseases..... (I60–I69)	798	4.2	11.2
7	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	623	3.3	8.7
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	329	1.7	4.6
9	Influenza and pneumonia..... (J09–J18)	317	1.7	4.4
10	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	301	1.6	4.2
...	All other causes..... (residual)	3,923	20.6	55.0

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Hispanic, both sexes, 55–64 years				
...	All causes.....	31,042	100.0	611.4
1	Malignant neoplasms..... (C00–C97)	8,909	28.7	175.5
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	6,064	19.5	119.4
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	2,331	7.5	45.9
4	Chronic liver disease and cirrhosis..... (K70,K73–K74)	2,022	6.5	39.8
5	Diabetes mellitus..... (E10–E14)	1,934	6.2	38.1
6	Cerebrovascular diseases..... (I60–I69)	1,348	4.3	26.6
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	693	2.2	13.6
8	Chronic lower respiratory diseases..... (J40–J47)	567	1.8	11.2
9	Influenza and pneumonia..... (J09–J18)	478	1.5	9.4
10	Septicemia..... (A40–A41)	469	1.5	9.2
...	All other causes..... (residual)	6,227	20.1	122.7
Hispanic, both sexes, 65 years and over				
...	All causes.....	128,471	100.0	2,769.4
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	30,700	23.9	661.8
2	Malignant neoplasms..... (C00–C97)	26,414	20.6	569.4
3	Cerebrovascular diseases..... (I60–I69)	9,270	7.2	199.8
4	Alzheimer disease..... (G30)	8,093	6.3	174.5
5	Diabetes mellitus..... (E10–E14)	6,706	5.2	144.6
6	Chronic lower respiratory diseases..... (J40–J47)	4,803	3.7	103.5
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	3,258	2.5	70.2
8	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	3,222	2.5	69.5
9	Influenza and pneumonia..... (J09–J18)	2,664	2.1	57.4
10	Chronic liver disease and cirrhosis..... (K70,K73–K74)	2,404	1.9	51.8
...	All other causes..... (residual)	30,937	24.1	666.9
Hispanic, both sexes, 65–74 years				
...	All causes.....	37,337	100.0	1,323.0
1	Malignant neoplasms..... (C00–C97)	10,945	29.3	387.8
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	7,880	21.1	279.2
3	Diabetes mellitus..... (E10–E14)	2,631	7.0	93.2
4	Cerebrovascular diseases..... (I60–I69)	1,960	5.2	69.5
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	1,424	3.8	50.5
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,163	3.1	41.2
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1,094	2.9	38.8
8	Chronic lower respiratory diseases..... (J40–J47)	1,069	2.9	37.9
9	Influenza and pneumonia..... (J09–J18)	685	1.8	24.3
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	595	1.6	21.1
...	All other causes..... (residual)	7,891	21.1	279.6
Hispanic, both sexes, 75–84 years				
...	All causes.....	42,375	100.0	3,240.3
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	9,677	22.8	740.0
2	Malignant neoplasms..... (C00–C97)	9,490	22.4	725.7
3	Cerebrovascular diseases..... (I60–I69)	2,988	7.1	228.5
4	Diabetes mellitus..... (E10–E14)	2,396	5.7	183.2
5	Alzheimer disease..... (G30)	2,218	5.2	169.6
6	Chronic lower respiratory diseases..... (J40–J47)	1,688	4.0	129.1
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1,168	2.8	89.3
8	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,026	2.4	78.5
9	Influenza and pneumonia..... (J09–J18)	898	2.1	68.7
10	Parkinson disease..... (G20–G21)	893	2.1	68.3
...	All other causes..... (residual)	9,933	23.4	759.5

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Hispanic, both sexes, 85 years and over				
...	All causes . . . . .	48,759	100.0	9,577.6
1	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	13,143	27.0	2,581.6
2	Malignant neoplasms . . . . . (C00–C97)	5,979	12.3	1,174.4
3	Alzheimer disease . . . . . (G30)	5,338	10.9	1,048.5
4	Cerebrovascular diseases . . . . . (I60–I69)	4,322	8.9	849.0
5	Chronic lower respiratory diseases . . . . . (J40–J47)	2,046	4.2	401.9
6	Diabetes mellitus . . . . . (E10–E14)	1,679	3.4	329.8
7	Influenza and pneumonia . . . . . (J09–J18)	1,081	2.2	212.3
8	Essential hypertension and hypertensive renal disease . . . . . (I10,I12,I15)	1,060	2.2	208.2
9	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	1,033	2.1	202.9
10	Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)	996	2.0	195.6
...	All other causes . . . . . (residual)	12,082	24.8	2,373.2
Hispanic, male, all ages <sup>4</sup>				
...	All causes . . . . .	117,683	100.0	384.9
1	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	23,713	20.1	77.6
2	Malignant neoplasms . . . . . (C00–C97)	22,320	19.0	73.0
3	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	14,147	12.0	46.3
4	Cerebrovascular diseases . . . . . (I60–I69)	5,649	4.8	18.5
5	Diabetes mellitus . . . . . (E10–E14)	5,617	4.8	18.4
6	Chronic liver disease and cirrhosis . . . . . (K70,K73–K74)	4,781	4.1	15.6
7	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	3,445	2.9	11.3
8	Chronic lower respiratory diseases . . . . . (J40–J47)	2,923	2.5	9.6
9	Alzheimer disease . . . . . (G30)	2,590	2.2	8.5
10	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	2,534	2.2	8.3
...	All other causes . . . . . (residual)	29,964	25.5	98.0
Hispanic, male, 1–4 years				
...	All causes . . . . .	429	100.0	20.5
1	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	143	33.3	6.8
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	42	9.8	2.0
3	Malignant neoplasms . . . . . (C00–C97)	40	9.3	1.9
4	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	24	5.6	1.1
5	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	16	3.7	*
6	Influenza and pneumonia . . . . . (J09–J18)	14	3.3	*
7	Cerebrovascular diseases . . . . . (I60–I69)	8	1.9	*
8	Septicemia . . . . . (A40–A41)	6	1.4	*
9	Meningitis . . . . . (G00,G03)	4	0.9	*
10	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)	3	0.7	*
10	Chronic lower respiratory diseases . . . . . (J40–J47)	3	0.7	*
10	Certain conditions originating in the perinatal period . . . . . (P00–P96)	3	0.7	*
10	Complications of medical and surgical care . . . . . (Y40–Y84,Y88)	3	0.7	*
...	All other causes . . . . . (residual)	120	28.0	5.7

**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, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Hispanic, male, 5–9 years				
...	All causes.....	273	100.0	10.2
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	84	30.8	3.1
2	Malignant neoplasms..... (C00–C97)	52	19.0	1.9
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	23	8.4	0.9
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	16	5.9	*
5	Chronic lower respiratory diseases..... (J40–J47)	7	2.6	*
6	Influenza and pneumonia..... (J09–J18)	6	2.2	*
7	Septicemia..... (A40–A41)	5	1.8	*
7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	5	1.8	*
7	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	5	1.8	*
10	Cerebrovascular diseases..... (I60–I69)	3	1.1	*
10	Certain conditions originating in the perinatal period..... (P00–P96)	3	1.1	*
10	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	3	1.1	*
...	All other causes..... (residual)	61	22.3	2.3
Hispanic, male, 10–14 years				
...	All causes.....	404	100.0	14.9
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	108	26.7	4.0
2	Malignant neoplasms..... (C00–C97)	63	15.6	2.3
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	53	13.1	2.0
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	36	8.9	1.3
5	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	23	5.7	0.8
6	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	8	2.0	*
7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	7	1.7	*
8	Influenza and pneumonia..... (J09–J18)	6	1.5	*
9	Cerebrovascular diseases..... (I60–I69)	5	1.2	*
9	Chronic lower respiratory diseases..... (J40–J47)	5	1.2	*
...	All other causes..... (residual)	90	22.3	3.3
Hispanic, male, 15–19 years				
...	All causes.....	1,614	100.0	62.8
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	636	39.4	24.8
2	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	319	19.8	12.4
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	297	18.4	11.6
4	Malignant neoplasms..... (C00–C97)	101	6.3	3.9
5	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	25	1.5	1.0
6	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	20	1.2	0.8
7	Legal intervention..... (Y35,Y89.0)	9	0.6	*
8	Cerebrovascular diseases..... (I60–I69)	8	0.5	*
9	Influenza and pneumonia..... (J09–J18)	6	0.4	*
10	Diabetes mellitus..... (E10–E14)	5	0.3	*
10	Chronic lower respiratory diseases..... (J40–J47)	5	0.3	*
10	Complications of medical and surgical care..... (Y40–Y84,Y88)	5	0.3	*
...	All other causes..... (residual)	178	11.0	6.9

**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, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Hispanic, male, 20–24 years				
...	All causes.....	2,957	100.0	119.0
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,398	47.3	56.2
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	544	18.4	21.9
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	442	14.9	17.8
4	Malignant neoplasms..... (C00–C97)	142	4.8	5.7
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	55	1.9	2.2
6	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	22	0.7	0.9
7	Cerebrovascular diseases..... (I60–I69)	17	0.6	*
8	Chronic lower respiratory diseases..... (J40–J47)	15	0.5	*
9	Influenza and pneumonia..... (J09–J18)	12	0.4	*
10	Diabetes mellitus..... (E10–E14)	11	0.4	*
...	All other causes..... (residual)	299	10.1	12.0
Hispanic, male, 25–34 years				
...	All causes.....	6,957	100.0	139.7
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	3,061	44.0	61.5
2	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	888	12.8	17.8
3	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	765	11.0	15.4
4	Malignant neoplasms..... (C00–C97)	413	5.9	8.3
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	346	5.0	7.0
6	Chronic liver disease and cirrhosis..... (K70,K73–K74)	196	2.8	3.9
7	Diabetes mellitus..... (E10–E14)	86	1.2	1.7
8	Human immunodeficiency virus (HIV) disease..... (B20–B24)	73	1.0	1.5
9	Cerebrovascular diseases..... (I60–I69)	61	0.9	1.2
10	Influenza and pneumonia..... (J09–J18)	50	0.7	1.0
...	All other causes..... (residual)	1,018	14.6	20.4
Hispanic, male, 35–44 years				
...	All causes.....	8,169	100.0	183.1
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	2,704	33.1	60.6
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	941	11.5	21.1
3	Malignant neoplasms..... (C00–C97)	771	9.4	17.3
4	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	629	7.7	14.1
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	564	6.9	12.6
6	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	468	5.7	10.5
7	Diabetes mellitus..... (E10–E14)	219	2.7	4.9
8	Cerebrovascular diseases..... (I60–I69)	210	2.6	4.7
9	Human immunodeficiency virus (HIV) disease..... (B20–B24)	107	1.3	2.4
10	Influenza and pneumonia..... (J09–J18)	98	1.2	2.2
...	All other causes..... (residual)	1,458	17.8	32.7
Hispanic, male, 45–54 years				
...	All causes.....	12,572	100.0	350.1
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	2,357	18.7	65.6
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	2,237	17.8	62.3
3	Malignant neoplasms..... (C00–C97)	2,044	16.3	56.9
4	Chronic liver disease and cirrhosis..... (K70,K73–K74)	1,125	8.9	31.3
5	Diabetes mellitus..... (E10–E14)	676	5.4	18.8
6	Cerebrovascular diseases..... (I60–I69)	524	4.2	14.6
7	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	467	3.7	13.0
8	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	233	1.9	6.5
9	Influenza and pneumonia..... (J09–J18)	217	1.7	6.0
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	203	1.6	5.7
...	All other causes..... (residual)	2,489	19.8	69.3

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Hispanic, male, 55–64 years				
...	All causes.....	19,693	100.0	794.7
1	Malignant neoplasms..... (C00–C97)	4,718	24.0	190.4
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	4,380	22.2	176.8
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,816	9.2	73.3
4	Chronic liver disease and cirrhosis..... (K70,K73–K74)	1,495	7.6	60.3
5	Diabetes mellitus..... (E10–E14)	1,213	6.2	49.0
6	Cerebrovascular diseases..... (I60–I69)	846	4.3	34.1
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	442	2.2	17.8
8	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	316	1.6	12.8
9	Chronic lower respiratory diseases..... (J40–J47)	313	1.6	12.6
10	Septicemia..... (A40–A41)	294	1.5	11.9
...	All other causes..... (residual)	3,860	19.6	155.8
Hispanic, male, 65 years and over				
...	All causes.....	62,035	100.0	3,065.3
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	15,556	25.1	768.6
2	Malignant neoplasms..... (C00–C97)	13,971	22.5	690.3
3	Cerebrovascular diseases..... (I60–I69)	3,960	6.4	195.7
4	Diabetes mellitus..... (E10–E14)	3,405	5.5	168.2
5	Alzheimer disease..... (G30)	2,532	4.1	125.1
6	Chronic lower respiratory diseases..... (J40–J47)	2,421	3.9	119.6
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	1,847	3.0	91.3
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	1,602	2.6	79.2
9	Chronic liver disease and cirrhosis..... (K70,K73–K74)	1,396	2.3	69.0
10	Influenza and pneumonia..... (J09–J18)	1,321	2.1	65.3
...	All other causes..... (residual)	14,024	22.6	692.9
Hispanic, male, 65–74 years				
...	All causes.....	21,604	100.0	1,671.6
1	Malignant neoplasms..... (C00–C97)	6,054	28.0	468.4
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	5,051	23.4	390.8
3	Diabetes mellitus..... (E10–E14)	1,535	7.1	118.8
4	Cerebrovascular diseases..... (I60–I69)	1,112	5.1	86.0
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	901	4.2	69.7
6	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	784	3.6	60.7
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	617	2.9	47.7
8	Chronic lower respiratory diseases..... (J40–J47)	612	2.8	47.4
9	Influenza and pneumonia..... (J09–J18)	403	1.9	31.2
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	308	1.4	23.8
...	All other causes..... (residual)	4,227	19.6	327.1
Hispanic, male, 75–84 years				
...	All causes.....	21,286	100.0	3,898.2
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	5,176	24.3	947.9
2	Malignant neoplasms..... (C00–C97)	5,056	23.8	925.9
3	Cerebrovascular diseases..... (I60–I69)	1,340	6.3	245.4
4	Diabetes mellitus..... (E10–E14)	1,181	5.5	216.3
5	Chronic lower respiratory diseases..... (J40–J47)	894	4.2	163.7
6	Alzheimer disease..... (G30)	808	3.8	148.0
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	582	2.7	106.6
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	558	2.6	102.2
9	Parkinson disease..... (G20–G21)	525	2.5	96.1
10	Influenza and pneumonia..... (J09–J18)	481	2.3	88.1
...	All other causes..... (residual)	4,685	22.0	858.0

**Table 1. Deaths, percentage of total deaths, and death rates for the 10 leading causes of death in selected age groups, by race and Hispanic origin and sex: United States, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Hispanic, male, 85 years and over				
...	All causes.....	19,145	100.0	10,330.6
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	5,329	27.8	2,875.5
2	Malignant neoplasms..... (C00–C97)	2,861	14.9	1,543.8
3	Cerebrovascular diseases..... (I60–I69)	1,508	7.9	813.7
4	Alzheimer disease..... (G30)	1,494	7.8	806.2
5	Chronic lower respiratory diseases..... (J40–J47)	915	4.8	493.7
6	Diabetes mellitus..... (E10–E14)	689	3.6	371.8
7	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	481	2.5	259.5
8	Influenza and pneumonia..... (J09–J18)	437	2.3	235.8
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	427	2.2	230.4
10	Parkinson disease..... (G20–G21)	424	2.2	228.8
...	All other causes..... (residual)	4,580	23.9	2,471.4
Hispanic, female, all ages <sup>4</sup>				
...	All causes.....	94,714	100.0	315.7
1	Malignant neoplasms..... (C00–C97)	20,759	21.9	69.2
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	18,081	19.1	60.3
3	Cerebrovascular diseases..... (I60–I69)	6,310	6.7	21.0
4	Alzheimer disease..... (G30)	5,631	5.9	18.8
5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	4,727	5.0	15.8
6	Diabetes mellitus..... (E10–E14)	4,549	4.8	15.2
7	Chronic lower respiratory diseases..... (J40–J47)	2,777	2.9	9.3
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	2,132	2.3	7.1
9	Chronic liver disease and cirrhosis..... (K70,K73–K74)	2,096	2.2	7.0
10	Influenza and pneumonia..... (J09–J18)	1,780	1.9	5.9
...	All other causes..... (residual)	25,872	27.3	86.2
Hispanic, female, 1–4 years				
...	All causes.....	343	100.0	17.0
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	92	26.8	4.6
2	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	48	14.0	2.4
3	Malignant neoplasms..... (C00–C97)	38	11.1	1.9
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	17	5.0	*
5	Influenza and pneumonia..... (J09–J18)	13	3.8	*
6	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	10	2.9	*
7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	7	2.0	*
8	Septicemia..... (A40–A41)	4	1.2	*
8	Chronic lower respiratory diseases..... (J40–J47)	4	1.2	*
8	Certain conditions originating in the perinatal period..... (P00–P96)	4	1.2	*
...	All other causes..... (residual)	106	30.9	5.3
Hispanic, female, 5–9 years				
...	All causes.....	237	100.0	9.2
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	72	30.4	2.8
2	Malignant neoplasms..... (C00–C97)	51	21.5	2.0
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	22	9.3	0.9
4	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	9	3.8	*
5	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	8	3.4	*
6	Influenza and pneumonia..... (J09–J18)	6	2.5	*
7	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior..... (D00–D48)	3	1.3	*
7	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	3	1.3	*
7	Certain conditions originating in the perinatal period..... (P00–P96)	3	1.3	*
10	Septicemia..... (A40–A41)	2	0.8	*
10	Complications of medical and surgical care..... (Y40–Y84,Y88)	2	0.8	*
...	All other causes..... (residual)	56	23.6	2.2



**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Hispanic, female, 10–14 years				
...	All causes . . . . .	267	100.0	10.2
1	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	53	19.9	2.0
2	Malignant neoplasms . . . . . (C00–C97)	47	17.6	1.8
3	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	39	14.6	1.5
4	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	22	8.2	0.8
5	Cerebrovascular diseases . . . . . (I60–I69)	10	3.7	*
5	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	10	3.7	*
7	Influenza and pneumonia . . . . . (J09–J18)	8	3.0	*
8	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior . . . . . (D00–D48)	5	1.9	*
8	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	5	1.9	*
10	Septicemia . . . . . (A40–A41)	3	1.1	*
10	Diabetes mellitus . . . . . (E10–E14)	3	1.1	*
10	Chronic lower respiratory diseases . . . . . (J40–J47)	3	1.1	*
10	Complications of medical and surgical care . . . . . (Y40–Y84,Y88)	3	1.1	*
...	All other causes . . . . . (residual)	56	21.0	2.1
Hispanic, female, 15–19 years				
...	All causes . . . . .	574	100.0	23.2
1	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	223	38.9	9.0
2	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	88	15.3	3.6
3	Malignant neoplasms . . . . . (C00–C97)	62	10.8	2.5
4	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	55	9.6	2.2
5	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	15	2.6	*
6	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	13	2.3	*
7	Influenza and pneumonia . . . . . (J09–J18)	8	1.4	*
8	Cerebrovascular diseases . . . . . (I60–I69)	7	1.2	*
9	Pregnancy, childbirth and the puerperium . . . . . (O00–O99)	5	0.9	*
10	Diabetes mellitus . . . . . (E10–E14)	3	0.5	*
10	Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07,N17–N19,N25–N27)	3	0.5	*
10	Complications of medical and surgical care . . . . . (Y40–Y84,Y88)	3	0.5	*
...	All other causes . . . . . (residual)	89	15.5	3.6
Hispanic, female, 20–24 years				
...	All causes . . . . .	909	100.0	38.5
1	Accidents (unintentional injuries) . . . . . (V01–X59,Y85–Y86)	332	36.5	14.1
2	Intentional self-harm (suicide) . . . . . (*U03,X60–X84,Y87.0)	125	13.8	5.3
3	Malignant neoplasms . . . . . (C00–C97)	87	9.6	3.7
4	Assault (homicide) . . . . . (*U01–*U02,X85–Y09,Y87.1)	71	7.8	3.0
5	Diseases of heart . . . . . (I00–I09,I11,I13,I20–I51)	36	4.0	1.5
6	Pregnancy, childbirth and the puerperium . . . . . (O00–O99)	31	3.4	1.3
7	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	30	3.3	1.3
8	Cerebrovascular diseases . . . . . (I60–I69)	12	1.3	*
9	Diabetes mellitus . . . . . (E10–E14)	10	1.1	*
10	Influenza and pneumonia . . . . . (J09–J18)	8	0.9	*
...	All other causes . . . . . (residual)	167	18.4	7.1

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Hispanic, female, 25–34 years				
...	All causes.....	2,312	100.0	50.8
1	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	750	32.4	16.5
2	Malignant neoplasms..... (C00–C97)	377	16.3	8.3
3	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	202	8.7	4.4
4	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	140	6.1	3.1
5	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	106	4.6	2.3
6	Pregnancy, childbirth and the puerperium..... (O00–O99)	77	3.3	1.7
7	Chronic liver disease and cirrhosis..... (K70,K73–K74)	59	2.6	1.3
8	Cerebrovascular diseases..... (I60–I69)	45	1.9	1.0
9	Diabetes mellitus..... (E10–E14)	42	1.8	0.9
10	Influenza and pneumonia..... (J09–J18)	30	1.3	0.7
...	All other causes..... (residual)	484	20.9	10.6
Hispanic, female, 35–44 years				
...	All causes.....	3,760	100.0	89.6
1	Malignant neoplasms..... (C00–C97)	1,090	29.0	26.0
2	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	648	17.2	15.4
3	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	337	9.0	8.0
4	Chronic liver disease and cirrhosis..... (K70,K73–K74)	186	4.9	4.4
5	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	145	3.9	3.5
6	Cerebrovascular diseases..... (I60–I69)	135	3.6	3.2
7	Diabetes mellitus..... (E10–E14)	121	3.2	2.9
8	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)	118	3.1	2.8
9	Pregnancy, childbirth and the puerperium..... (O00–O99)	60	1.6	1.4
10	Influenza and pneumonia..... (J09–J18)	55	1.5	1.3
10	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	55	1.5	1.3
...	All other causes..... (residual)	810	21.5	19.3
Hispanic, female, 45–54 years				
...	All causes.....	6,490	100.0	183.5
1	Malignant neoplasms..... (C00–C97)	2,370	36.5	67.0
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	712	11.0	20.1
3	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	591	9.1	16.7
4	Diabetes mellitus..... (E10–E14)	347	5.3	9.8
5	Chronic liver disease and cirrhosis..... (K70,K73–K74)	312	4.8	8.8
6	Cerebrovascular diseases..... (I60–I69)	274	4.2	7.7
7	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)	156	2.4	4.4
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	126	1.9	3.6
9	Septicemia..... (A40–A41)	114	1.8	3.2
10	Influenza and pneumonia..... (J09–J18)	100	1.5	2.8
...	All other causes..... (residual)	1,388	21.4	39.2
Hispanic, female, 55–64 years				
...	All causes.....	11,349	100.0	436.7
1	Malignant neoplasms..... (C00–C97)	4,191	36.9	161.3
2	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	1,684	14.8	64.8
3	Diabetes mellitus..... (E10–E14)	721	6.4	27.7
4	Chronic liver disease and cirrhosis..... (K70,K73–K74)	527	4.6	20.3
5	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	515	4.5	19.8
6	Cerebrovascular diseases..... (I60–I69)	502	4.4	19.3
7	Chronic lower respiratory diseases..... (J40–J47)	254	2.2	9.8
8	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	251	2.2	9.7
9	Influenza and pneumonia..... (J09–J18)	197	1.7	7.6
10	Septicemia..... (A40–A41)	175	1.5	6.7
...	All other causes..... (residual)	2,332	20.5	89.7

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
Hispanic, female, 65 years and over				
...	All causes.....	66,436	100.0	2,540.4
1	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	15,144	22.8	579.1
2	Malignant neoplasms..... (C00-C97)	12,443	18.7	475.8
3	Alzheimer disease..... (G30)	5,561	8.4	212.6
4	Cerebrovascular diseases..... (I60-I69)	5,310	8.0	203.0
5	Diabetes mellitus..... (E10-E14)	3,301	5.0	126.2
6	Chronic lower respiratory diseases..... (J40-J47)	2,382	3.6	91.1
7	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	1,656	2.5	63.3
8	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	1,375	2.1	52.6
9	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	1,353	2.0	51.7
10	Influenza and pneumonia..... (J09-J18)	1,343	2.0	51.4
...	All other causes..... (residual)	16,568	24.9	633.5
Hispanic, female, 65-74 years				
...	All causes.....	15,733	100.0	1,028.5
1	Malignant neoplasms..... (C00-C97)	4,891	31.1	319.7
2	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	2,829	18.0	184.9
3	Diabetes mellitus..... (E10-E14)	1,096	7.0	71.6
4	Cerebrovascular diseases..... (I60-I69)	848	5.4	55.4
5	Chronic liver disease and cirrhosis..... (K70,K73-K74)	523	3.3	34.2
6	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	477	3.0	31.2
7	Chronic lower respiratory diseases..... (J40-J47)	457	2.9	29.9
8	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	379	2.4	24.8
9	Alzheimer disease..... (G30)	307	2.0	20.1
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	287	1.8	18.8
...	All other causes..... (residual)	3,639	23.1	237.9
Hispanic, female, 75-84 years				
...	All causes.....	21,089	100.0	2,768.6
1	Diseases of heart..... (I00-I09,I11,I13,I20-I51)	4,501	21.3	590.9
2	Malignant neoplasms..... (C00-C97)	4,434	21.0	582.1
3	Cerebrovascular diseases..... (I60-I69)	1,648	7.8	216.4
4	Alzheimer disease..... (G30)	1,410	6.7	185.1
5	Diabetes mellitus..... (E10-E14)	1,215	5.8	159.5
6	Chronic lower respiratory diseases..... (J40-J47)	794	3.8	104.2
7	Nephritis, nephrotic syndrome and nephrosis..... (N00-N07,N17-N19,N25-N27)	610	2.9	80.1
8	Accidents (unintentional injuries)..... (V01-X59,Y85-Y86)	444	2.1	58.3
9	Influenza and pneumonia..... (J09-J18)	417	2.0	54.7
10	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	416	2.0	54.6
...	All other causes..... (residual)	5,200	24.7	682.7

**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, 2019—Con.**

[Rates are per 100,000 population in specified group. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), race and Hispanic origin, sex, and age	Number <sup>2,3</sup>	Percent of total deaths	Death rate <sup>2,3</sup>
	Hispanic, female, 85 years and over			
...	All causes.....	29,614	100.0	9,146.5
1	Diseases of heart..... (I00–I09,I11,I13,I20–I51)	7,814	26.4	2,413.4
2	Alzheimer disease..... (G30)	3,844	13.0	1,187.3
3	Malignant neoplasms..... (C00–C97)	3,118	10.5	963.0
4	Cerebrovascular diseases..... (I60–I69)	2,814	9.5	869.1
5	Chronic lower respiratory diseases..... (J40–J47)	1,131	3.8	349.3
6	Diabetes mellitus..... (E10–E14)	990	3.3	305.8
7	Essential hypertension and hypertensive renal disease..... (I10,I12,I15)	650	2.2	200.8
8	Influenza and pneumonia..... (J09–J18)	644	2.2	198.9
9	Nephritis, nephrotic syndrome and nephrosis..... (N00–N07,N17–N19,N25–N27)	569	1.9	175.7
10	Accidents (unintentional injuries)..... (V01–X59,Y85–Y86)	552	1.9	170.5
...	All other causes..... (residual)	7,488	25.3	2,312.7

... Category not applicable.

\* Rate does not meet National Center for Health Statistics standards of reliability.

<sup>1</sup>Based on number of deaths.

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

<sup>3</sup>Data for two or more races and origin not stated are included in "all races and origins" but are not distributed among race and Hispanic-origin groups. For the race and Hispanic-origin categories shown, only one race was reported on the death certificate.

<sup>4</sup>Includes deaths for under 1 year.

SOURCE: National Center for Health Statistics, 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, 2019**

[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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Infants, all races and origins, both sexes				
...	All causes . . . . .	20,921	100.0	558.3
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	4,301	20.6	114.8
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	3,445	16.5	91.9
3	Accidents (unintentional injuries). . . . . (V01-X59)	1,266	6.1	33.8
4	Sudden infant death syndrome . . . . . (R95)	1,248	6.0	33.3
5	Newborn affected by maternal complications of pregnancy. . . . . (P01)	1,245	6.0	33.2
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	742	3.5	19.8
7	Bacterial sepsis of newborn . . . . . (P36)	603	2.9	16.1
8	Respiratory distress of newborn . . . . . (P22)	424	2.0	11.3
9	Diseases of the circulatory system. . . . . (I00-I99)	406	1.9	10.8
10	Necrotizing enterocolitis of newborn . . . . . (P77)	354	1.7	9.4
...	All other causes . . . . . (residual)	6,887	32.9	183.8
Infants, all races and origins, male				
...	All causes . . . . .	11,674	100.0	608.8
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	2,248	19.3	117.2
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	1,964	16.8	102.4
3	Accidents (unintentional injuries). . . . . (V01-X59)	753	6.5	39.3
4	Sudden infant death syndrome . . . . . (R95)	709	6.1	37.0
5	Newborn affected by maternal complications of pregnancy. . . . . (P01)	704	6.0	36.7
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	404	3.5	21.1
7	Bacterial sepsis of newborn . . . . . (P36)	344	2.9	17.9
8	Respiratory distress of newborn . . . . . (P22)	247	2.1	12.9
9	Diseases of the circulatory system. . . . . (I00-I99)	227	1.9	11.8
10	Necrotizing enterocolitis of newborn . . . . . (P77)	191	1.6	10.0
...	All other causes . . . . . (residual)	3,883	33.3	202.5
Infants, all races and origins, female				
...	All causes . . . . .	9,247	100.0	505.3
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	2,053	22.2	112.2
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	1,481	16.0	80.9
3	Newborn affected by maternal complications of pregnancy. . . . . (P01)	541	5.9	29.6
4	Sudden infant death syndrome . . . . . (R95)	539	5.8	29.5
5	Accidents (unintentional injuries). . . . . (V01-X59)	513	5.5	28.0
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	338	3.7	18.5
7	Bacterial sepsis of newborn . . . . . (P36)	259	2.8	14.2
8	Diseases of the circulatory system. . . . . (I00-I99)	179	1.9	9.8
9	Respiratory distress of newborn . . . . . (P22)	177	1.9	9.7
10	Necrotizing enterocolitis of newborn . . . . . (P77)	163	1.8	8.9
...	All other causes . . . . . (residual)	3,004	32.5	164.1
Infants, non-Hispanic white, both sexes				
...	All causes . . . . .	8,366	100.0	436.7
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	2,015	24.1	105.2
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	1,102	13.2	57.5
3	Accidents (unintentional injuries). . . . . (V01-X59)	589	7.0	30.7
4	Sudden infant death syndrome . . . . . (R95)	495	5.9	25.8
5	Newborn affected by maternal complications of pregnancy. . . . . (P01)	404	4.8	21.1
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	284	3.4	14.8
7	Bacterial sepsis of newborn . . . . . (P36)	237	2.8	12.4
8	Respiratory distress of newborn . . . . . (P22)	181	2.2	9.4
9	Diseases of the circulatory system. . . . . (I00-I99)	177	2.1	9.2
10	Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)	153	1.8	8.0
...	All other causes . . . . . (residual)	2,729	32.6	142.4

**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, 2019—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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Infants, non-Hispanic white, male				
...	All causes . . . . .	4,719	100.0	480.7
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	1,057	22.4	107.7
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	639	13.5	65.1
3	Accidents (unintentional injuries). . . . . (V01–X59)	353	7.5	36.0
4	Sudden infant death syndrome . . . . . (R95)	293	6.2	29.8
5	Newborn affected by maternal complications of pregnancy. . . . . (P01)	219	4.6	22.3
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	153	3.2	15.6
7	Bacterial sepsis of newborn . . . . . (P36)	133	2.8	13.5
8	Respiratory distress of newborn . . . . . (P22)	103	2.2	10.5
9	Diseases of the circulatory system. . . . . (I00–I99)	99	2.1	10.1
10	Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)	83	1.8	8.5
...	All other causes . . . . . (residual)	1,587	33.6	161.7
Infants, non-Hispanic white, female				
...	All causes . . . . .	3,647	100.0	390.3
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	958	26.3	102.5
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	463	12.7	49.6
3	Accidents (unintentional injuries). . . . . (V01–X59)	236	6.5	25.3
4	Sudden infant death syndrome . . . . . (R95)	202	5.5	21.6
5	Newborn affected by maternal complications of pregnancy. . . . . (P01)	185	5.1	19.8
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	131	3.6	14.0
7	Bacterial sepsis of newborn . . . . . (P36)	104	2.9	11.1
8	Diseases of the circulatory system. . . . . (I00–I99)	78	2.1	8.3
8	Respiratory distress of newborn . . . . . (P22)	78	2.1	8.3
10	Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)	70	1.9	7.5
10	Neonatal hemorrhage. . . . . (P50–P52,P54)	70	1.9	7.5
...	All other causes . . . . . (residual)	1,072	29.4	114.7
Infants, non-Hispanic black, both sexes				
...	All causes . . . . .	6,092	100.0	1,111.5
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	1,289	21.2	235.2
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	801	13.1	146.1
3	Sudden infant death syndrome . . . . . (R95)	434	7.1	79.2
4	Newborn affected by maternal complications of pregnancy. . . . . (P01)	380	6.2	69.3
5	Accidents (unintentional injuries). . . . . (V01–X59)	369	6.1	67.3
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	208	3.4	38.0
7	Bacterial sepsis of newborn . . . . . (P36)	189	3.1	34.5
8	Necrotizing enterocolitis of newborn . . . . . (P77)	119	2.0	21.7
9	Respiratory distress of newborn . . . . . (P22)	118	1.9	21.5
10	Diseases of the circulatory system. . . . . (I00–I99)	111	1.8	20.3
...	All other causes . . . . . (residual)	2,074	34.0	378.4
Infants, non-Hispanic black, male				
...	All causes . . . . .	3,342	100.0	1,200.0
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	724	21.7	260.0
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	411	12.3	147.6
3	Sudden infant death syndrome . . . . . (R95)	227	6.8	81.5
4	Newborn affected by maternal complications of pregnancy. . . . . (P01)	225	6.7	80.8
5	Accidents (unintentional injuries). . . . . (V01–X59)	219	6.6	78.6
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	109	3.3	39.1
7	Bacterial sepsis of newborn . . . . . (P36)	107	3.2	38.4
8	Diseases of the circulatory system. . . . . (I00–I99)	65	1.9	23.3
8	Respiratory distress of newborn . . . . . (P22)	65	1.9	23.3
10	Necrotizing enterocolitis of newborn . . . . . (P77)	61	1.8	21.9
...	All other causes . . . . . (residual)	1,129	33.8	405.4

**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, 2019—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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Infants, non-Hispanic black, female				
...	All causes . . . . .	2,750	100.0	1,020.1
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	565	20.5	209.6
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	390	14.2	144.7
3	Sudden infant death syndrome . . . . . (R95)	207	7.5	76.8
4	Newborn affected by maternal complications of pregnancy . . . . . (P01)	155	5.6	57.5
5	Accidents (unintentional injuries) . . . . . (V01-X59)	150	5.5	55.6
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	99	3.6	36.7
7	Bacterial sepsis of newborn . . . . . (P36)	82	3.0	30.4
8	Necrotizing enterocolitis of newborn . . . . . (P77)	58	2.1	21.5
9	Respiratory distress of newborn . . . . . (P22)	53	1.9	19.7
10	Diseases of the circulatory system . . . . . (I00-I99)	46	1.7	17.1
...	All other causes . . . . . (residual)	945	34.4	350.5
Infants, non-Hispanic American Indian or Alaska Native, both sexes				
...	All causes . . . . .	229	100.0	804.9
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	37	16.2	130.1
2	Sudden infant death syndrome . . . . . (R95)	27	11.8	94.9
3	Accidents (unintentional injuries) . . . . . (V01-X59)	24	10.5	84.4
4	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	18	7.9	*
5	Newborn affected by maternal complications of pregnancy . . . . . (P01)	12	5.2	*
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	11	4.8	*
7	Diseases of the circulatory system . . . . . (I00-I99)	5	2.2	*
7	Influenza and pneumonia . . . . . (J09-J18)	5	2.2	*
9	Acute bronchitis and acute bronchiolitis . . . . . (J20-J21)	4	1.7	*
9	Hydrops fetalis not due to hemolytic disease . . . . . (P83.2)	4	1.7	*
...	All other causes . . . . . (residual)	82	35.8	288.2
Infants, non-Hispanic American Indian or Alaska Native, male				
...	All causes . . . . .	124	100.0	855.2
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	21	16.9	144.8
2	Sudden infant death syndrome . . . . . (R95)	17	13.7	*
3	Accidents (unintentional injuries) . . . . . (V01-X59)	15	12.1	*
4	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	11	8.9	*
5	Newborn affected by maternal complications of pregnancy . . . . . (P01)	8	6.5	*
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	5	4.0	*
7	Diseases of the circulatory system . . . . . (I00-I99)	4	3.2	*
8	Septicemia . . . . . (A40-A41)	2	1.6	*
8	Influenza and pneumonia . . . . . (J09-J18)	2	1.6	*
8	Newborn affected by other maternal conditions which may be unrelated to present pregnancy . . . . . (P00.1-P00.9)	2	1.6	*
8	Bacterial sepsis of newborn . . . . . (P36)	2	1.6	*
...	All other causes . . . . . (residual)	35	28.2	241.4

**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, 2019—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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Infants, non-Hispanic American Indian or Alaska Native, female				
...	All causes . . . . .	105	100.0	752.7
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	16	15.2	*
2	Sudden infant death syndrome . . . . . (R95)	10	9.5	*
3	Accidents (unintentional injuries) . . . . . (V01–X59)	9	8.6	*
4	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	7	6.7	*
5	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	6	5.7	*
6	Newborn affected by maternal complications of pregnancy . . . . . (P01)	4	3.8	*
7	Influenza and pneumonia . . . . . (J09–J18)	3	2.9	*
7	Acute bronchitis and acute bronchiolitis . . . . . (J20–J21)	3	2.9	*
7	Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)	3	2.9	*
7	Hydrops fetalis not due to hemolytic disease . . . . . (P83.2)	3	2.9	*
...	All other causes . . . . . (residual)	41	39.0	293.9
Infants, non-Hispanic Asian, both sexes				
...	All causes . . . . .	628	100.0	263.0
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	138	22.0	57.8
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	131	20.9	54.9
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	55	8.8	23.0
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	32	5.1	13.4
5	Bacterial sepsis of newborn . . . . . (P36)	24	3.8	10.1
6	Accidents (unintentional injuries) . . . . . (V01–X59)	19	3.0	*
7	Diseases of the circulatory system . . . . . (I00–I99)	17	2.7	*
8	Sudden infant death syndrome . . . . . (R95)	12	1.9	*
9	Respiratory distress of newborn . . . . . (P22)	11	1.8	*
10	Necrotizing enterocolitis of newborn . . . . . (P77)	9	1.4	*
...	All other causes . . . . . (residual)	180	28.7	75.4
Infants, non-Hispanic Asian, male				
...	All causes . . . . .	358	100.0	289.2
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	77	21.5	62.2
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	72	20.1	58.2
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	32	8.9	25.8
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	19	5.3	*
5	Bacterial sepsis of newborn . . . . . (P36)	17	4.7	*
6	Accidents (unintentional injuries) . . . . . (V01–X59)	13	3.6	*
7	Diseases of the circulatory system . . . . . (I00–I99)	9	2.5	*
8	Necrotizing enterocolitis of newborn . . . . . (P77)	6	1.7	*
9	Septicemia . . . . . (A40–A41)	5	1.4	*
9	Respiratory distress of newborn . . . . . (P22)	5	1.4	*
9	Sudden infant death syndrome . . . . . (R95)	5	1.4	*
...	All other causes . . . . . (residual)	98	27.4	79.2
Infants, non-Hispanic Asian, female				
...	All causes . . . . .	270	100.0	234.9
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	66	24.4	57.4
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	54	20.0	47.0
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	23	8.5	20.0
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	13	4.8	*
5	Diseases of the circulatory system . . . . . (I00–I99)	8	3.0	*
6	Bacterial sepsis of newborn . . . . . (P36)	7	2.6	*
6	Sudden infant death syndrome . . . . . (R95)	7	2.6	*
8	Respiratory distress of newborn . . . . . (P22)	6	2.2	*
8	Hydrops fetalis not due to hemolytic disease . . . . . (P83.2)	6	2.2	*
8	Accidents (unintentional injuries) . . . . . (V01–X59)	6	2.2	*
...	All other causes . . . . . (residual)	74	27.4	64.4



**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, 2019—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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Infants, non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes				
...	All causes . . . . .	71	100.0	726.7
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	13	18.3	*
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	11	15.5	*
3	Accidents (unintentional injuries). . . . . (V01-X59)	8	11.3	*
4	Newborn affected by maternal complications of pregnancy. . . . . (P01)	6	8.5	*
5	Sudden infant death syndrome . . . . . (R95)	5	7.0	*
6	Diseases of the circulatory system. . . . . (I00-I99)	3	4.2	*
7	Newborn affected by maternal hypertensive disorders . . . . . (P00.0)	2	2.8	*
7	Bacterial sepsis of newborn . . . . . (P36)	2	2.8	*
9	Malignant neoplasms. . . . . (C00-C97)	1	1.4	*
9	Anoxic brain damage, not elsewhere classified . . . . . (G93.1)	1	1.4	*
9	Influenza and pneumonia . . . . . (J09-J18)	1	1.4	*
9	Bronchitis, chronic and unspecified . . . . . (J40-J42)	1	1.4	*
9	Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50-K55)	1	1.4	*
9	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	1	1.4	*
9	Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)	1	1.4	*
9	Respiratory distress of newborn . . . . . (P22)	1	1.4	*
...	All other causes . . . . . (residual)	13	18.3	*
Infants, non-Hispanic Native Hawaiian or Other Pacific Islander, male				
...	All causes . . . . .	43	100.0	855.6
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	9	20.9	*
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	6	14.0	*
3	Accidents (unintentional injuries). . . . . (V01-X59)	5	11.6	*
4	Newborn affected by maternal complications of pregnancy. . . . . (P01)	3	7.0	*
5	Diseases of the circulatory system. . . . . (I00-I99)	2	4.7	*
5	Sudden infant death syndrome . . . . . (R95)	2	4.7	*
7	Anoxic brain damage, not elsewhere classified . . . . . (G93.1)	1	2.3	*
7	Influenza and pneumonia . . . . . (J09-J18)	1	2.3	*
7	Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50-K55)	1	2.3	*
7	Newborn affected by maternal hypertensive disorders . . . . . (P00.0)	1	2.3	*
7	Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)	1	2.3	*
7	Respiratory distress of newborn . . . . . (P22)	1	2.3	*
7	Bacterial sepsis of newborn . . . . . (P36)	1	2.3	*
...	All other causes . . . . . (residual)	9	20.9	*
Infants, non-Hispanic Native Hawaiian or Other Pacific Islander, female				
...	All causes . . . . .	28	100.0	590.2
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	5	17.9	*
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	4	14.3	*
3	Newborn affected by maternal complications of pregnancy. . . . . (P01)	3	10.7	*
3	Sudden infant death syndrome . . . . . (R95)	3	10.7	*
3	Accidents (unintentional injuries). . . . . (V01-X59)	3	10.7	*
6	Malignant neoplasms. . . . . (C00-C97)	1	3.6	*
6	Diseases of the circulatory system. . . . . (I00-I99)	1	3.6	*
6	Bronchitis, chronic and unspecified . . . . . (J40-J42)	1	3.6	*
6	Newborn affected by maternal hypertensive disorders . . . . . (P00.0)	1	3.6	*
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	1	3.6	*
6	Bacterial sepsis of newborn . . . . . (P36)	1	3.6	*
...	All other causes . . . . . (residual)	4	14.3	*

**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, 2019—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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Infants, Hispanic, both sexes				
...	All causes . . . . .	4,607	100.0	519.7
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	1,138	24.7	128.4
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	702	15.2	79.2
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	320	6.9	36.1
4	Sudden infant death syndrome . . . . . (R95)	217	4.7	24.5
5	Accidents (unintentional injuries) . . . . . (V01–X59)	184	4.0	20.8
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	167	3.6	18.8
7	Bacterial sepsis of newborn . . . . . (P36)	135	2.9	15.2
8	Respiratory distress of newborn . . . . . (P22)	100	2.2	11.3
9	Neonatal hemorrhage . . . . . (P50–P52,P54)	84	1.8	9.5
10	Necrotizing enterocolitis of newborn . . . . . (P77)	83	1.8	9.4
...	All other causes . . . . . (residual)	1,477	32.1	166.6
Infants, Hispanic, male				
...	All causes . . . . .	2,571	100.0	568.2
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	590	22.9	130.4
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	406	15.8	89.7
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	177	6.9	39.1
4	Sudden infant death syndrome . . . . . (R95)	126	4.9	27.8
5	Accidents (unintentional injuries) . . . . . (V01–X59)	108	4.2	23.9
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	97	3.8	21.4
7	Bacterial sepsis of newborn . . . . . (P36)	75	2.9	16.6
8	Respiratory distress of newborn . . . . . (P22)	66	2.6	14.6
9	Necrotizing enterocolitis of newborn . . . . . (P77)	53	2.1	11.7
10	Neonatal hemorrhage . . . . . (P50–P52,P54)	47	1.8	10.4
...	All other causes . . . . . (residual)	826	32.1	182.5
Infants, Hispanic, female				
...	All causes . . . . .	2,036	100.0	469.2
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	548	26.9	126.3
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	296	14.5	68.2
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	143	7.0	33.0
4	Sudden infant death syndrome . . . . . (R95)	91	4.5	21.0
5	Accidents (unintentional injuries) . . . . . (V01–X59)	76	3.7	17.5
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	70	3.4	16.1
7	Bacterial sepsis of newborn . . . . . (P36)	60	2.9	13.8
8	Diseases of the circulatory system . . . . . (I00–I99)	38	1.9	8.8
9	Neonatal hemorrhage . . . . . (P50–P52,P54)	37	1.8	8.5
10	Respiratory distress of newborn . . . . . (P22)	34	1.7	7.8
...	All other causes . . . . . (residual)	643	31.6	148.2
Neonates, all races and origins, both sexes				
...	All causes . . . . .	13,801	100.0	368.3
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	3,374	24.4	90.0
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	3,047	22.1	81.3
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	1,240	9.0	33.1
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	731	5.3	19.5
5	Bacterial sepsis of newborn . . . . . (P36)	579	4.2	15.5
6	Respiratory distress of newborn . . . . . (P22)	409	3.0	10.9
7	Neonatal hemorrhage . . . . . (P50–P52,P54)	335	2.4	8.9
8	Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)	320	2.3	8.5
9	Necrotizing enterocolitis of newborn . . . . . (P77)	312	2.3	8.3
10	Atelectasis . . . . . (P28.0–P28.1)	230	1.7	6.1
...	All other causes . . . . . (residual)	3,224	23.4	86.0

**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, 2019—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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Neonates, all races and origins, male				
...	All causes . . . . .	7,684	100.0	400.7
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	1,927	25.1	100.5
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	1,620	21.1	84.5
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	703	9.1	36.7
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	400	5.2	20.9
5	Bacterial sepsis of newborn . . . . . (P36)	329	4.3	17.2
6	Respiratory distress of newborn . . . . . (P22)	242	3.1	12.6
7	Neonatal hemorrhage . . . . . (P50-P52,P54)	184	2.4	9.6
8	Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)	171	2.2	8.9
9	Necrotizing enterocolitis of newborn . . . . . (P77)	164	2.1	8.6
10	Atelectasis . . . . . (P28.0-P28.1)	137	1.8	7.1
...	All other causes . . . . . (residual)	1,807	23.5	94.2
Neonates, all races and origins, female				
...	All causes . . . . .	6,117	100.0	334.2
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	1,447	23.7	79.1
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	1,427	23.3	78.0
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	537	8.8	29.3
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	331	5.4	18.1
5	Bacterial sepsis of newborn . . . . . (P36)	250	4.1	13.7
6	Respiratory distress of newborn . . . . . (P22)	167	2.7	9.1
7	Neonatal hemorrhage . . . . . (P50-P52,P54)	151	2.5	8.3
8	Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)	149	2.4	8.1
9	Necrotizing enterocolitis of newborn . . . . . (P77)	148	2.4	8.1
10	Atelectasis . . . . . (P28.0-P28.1)	93	1.5	5.1
...	All other causes . . . . . (residual)	1,417	23.2	77.4
Neonates, non-Hispanic white, both sexes				
...	All causes . . . . .	5,527	100.0	288.5
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	1,473	26.7	76.9
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	1,075	19.4	56.1
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	401	7.3	20.9
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	280	5.1	14.6
5	Bacterial sepsis of newborn . . . . . (P36)	230	4.2	12.0
6	Respiratory distress of newborn . . . . . (P22)	176	3.2	9.2
7	Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)	148	2.7	7.7
8	Neonatal hemorrhage . . . . . (P50-P52,P54)	146	2.6	7.6
9	Atelectasis . . . . . (P28.0-P28.1)	110	2.0	5.7
10	Necrotizing enterocolitis of newborn . . . . . (P77)	109	2.0	5.7
...	All other causes . . . . . (residual)	1,379	25.0	72.0
Neonates, non-Hispanic white, male				
...	All causes . . . . .	3,087	100.0	314.5
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	772	25.0	78.6
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	627	20.3	63.9
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	218	7.1	22.2
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	152	4.9	15.5
5	Bacterial sepsis of newborn . . . . . (P36)	130	4.2	13.2
6	Respiratory distress of newborn . . . . . (P22)	101	3.3	10.3
7	Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)	81	2.6	8.3
8	Neonatal hemorrhage . . . . . (P50-P52,P54)	79	2.6	8.0
9	Atelectasis . . . . . (P28.0-P28.1)	72	2.3	7.3
10	Necrotizing enterocolitis of newborn . . . . . (P77)	52	1.7	5.3
...	All other causes . . . . . (residual)	803	26.0	81.8

**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, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Neonates, non-Hispanic white, female				
...	All causes . . . . .	2,440	100.0	261.2
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	701	28.7	75.0
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	448	18.4	48.0
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	183	7.5	19.6
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	128	5.2	13.7
5	Bacterial sepsis of newborn . . . . . (P36)	100	4.1	10.7
6	Respiratory distress of newborn . . . . . (P22)	75	3.1	8.0
7	Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)	67	2.7	7.2
7	Neonatal hemorrhage . . . . . (P50–P52,P54)	67	2.7	7.2
9	Necrotizing enterocolitis of newborn . . . . . (P77)	57	2.3	6.1
10	Accidents (unintentional injuries) . . . . . (V01–X59)	41	1.7	4.4
...	All other causes . . . . . (residual)	573	23.5	61.3
Neonates, non-Hispanic black, both sexes				
...	All causes . . . . .	3,854	100.0	703.2
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	1,261	32.7	230.1
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	520	13.5	94.9
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	378	9.8	69.0
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	204	5.3	37.2
5	Bacterial sepsis of newborn . . . . . (P36)	180	4.7	32.8
6	Respiratory distress of newborn . . . . . (P22)	115	3.0	21.0
7	Necrotizing enterocolitis of newborn . . . . . (P77)	102	2.6	18.6
8	Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)	91	2.4	16.6
9	Neonatal hemorrhage . . . . . (P50–P52,P54)	83	2.2	15.1
10	Atelectasis . . . . . (P28.0–P28.1)	56	1.5	10.2
...	All other causes . . . . . (residual)	864	22.4	157.6
Neonates, non-Hispanic black, male				
...	All causes . . . . .	2,121	100.0	761.6
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	710	33.5	254.9
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	280	13.2	100.5
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	225	10.6	80.8
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	106	5.0	38.1
5	Bacterial sepsis of newborn . . . . . (P36)	99	4.7	35.5
6	Respiratory distress of newborn . . . . . (P22)	65	3.1	23.3
7	Necrotizing enterocolitis of newborn . . . . . (P77)	52	2.5	18.7
8	Neonatal hemorrhage . . . . . (P50–P52,P54)	49	2.3	17.6
9	Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)	48	2.3	17.2
10	Atelectasis . . . . . (P28.0–P28.1)	32	1.5	11.5
...	All other causes . . . . . (residual)	455	21.5	163.4

**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, 2019—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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Neonates, non-Hispanic black, female				
...	All causes .....	1,733	100.0	642.8
1	Disorders related to short gestation and low birth weight, not elsewhere classified ..... (P07)	551	31.8	204.4
2	Congenital malformations, deformations and chromosomal abnormalities ..... (Q00-Q99)	240	13.8	89.0
3	Newborn affected by maternal complications of pregnancy ..... (P01)	153	8.8	56.8
4	Newborn affected by complications of placenta, cord and membranes ..... (P02)	98	5.7	36.4
5	Bacterial sepsis of newborn ..... (P36)	81	4.7	30.0
6	Respiratory distress of newborn ..... (P22)	50	2.9	18.5
6	Necrotizing enterocolitis of newborn ..... (P77)	50	2.9	18.5
8	Intrauterine hypoxia and birth asphyxia ..... (P20-P21)	43	2.5	16.0
9	Neonatal hemorrhage ..... (P50-P52,P54)	34	2.0	12.6
10	Pulmonary hemorrhage originating in the perinatal period ..... (P26)	24	1.4	8.9
10	Atelectasis ..... (P28.0-P28.1)	24	1.4	8.9
10	Sudden infant death syndrome ..... (R95)	24	1.4	8.9
...	All other causes ..... (residual)	361	20.8	133.9
Neonates, non-Hispanic American Indian or Alaska Native, both sexes				
...	All causes .....	117	100.0	411.2
1	Congenital malformations, deformations and chromosomal abnormalities ..... (Q00-Q99)	26	22.2	91.4
2	Disorders related to short gestation and low birth weight, not elsewhere classified ..... (P07)	17	14.5	*
3	Newborn affected by maternal complications of pregnancy ..... (P01)	12	10.3	*
4	Newborn affected by complications of placenta, cord and membranes ..... (P02)	11	9.4	*
5	Sudden infant death syndrome ..... (R95)	7	6.0	*
6	Hydrops fetalis not due to hemolytic disease ..... (P83.2)	4	3.4	*
7	Intrauterine hypoxia and birth asphyxia ..... (P20-P21)	3	2.6	*
7	Necrotizing enterocolitis of newborn ..... (P77)	3	2.6	*
9	Newborn affected by other maternal conditions which may be unrelated to present pregnancy ..... (P00.1-P00.9)	2	1.7	*
9	Newborn affected by noxious influences transmitted via placenta or breast milk ..... (P04)	2	1.7	*
9	Pulmonary hemorrhage originating in the perinatal period ..... (P26)	2	1.7	*
9	Atelectasis ..... (P28.0-P28.1)	2	1.7	*
9	Bacterial sepsis of newborn ..... (P36)	2	1.7	*
...	All other causes ..... (residual)	24	20.5	84.4
Neonates, non-Hispanic American Indian or Alaska Native, male				
...	All causes .....	58	100.0	400.0
1	Congenital malformations, deformations and chromosomal abnormalities ..... (Q00-Q99)	14	24.1	*
2	Disorders related to short gestation and low birth weight, not elsewhere classified ..... (P07)	10	17.2	*
3	Newborn affected by maternal complications of pregnancy ..... (P01)	8	13.8	*
4	Newborn affected by complications of placenta, cord and membranes ..... (P02)	5	8.6	*
5	Sudden infant death syndrome ..... (R95)	3	5.2	*
6	Newborn affected by other maternal conditions which may be unrelated to present pregnancy ..... (P00.1-P00.9)	2	3.4	*
6	Bacterial sepsis of newborn ..... (P36)	2	3.4	*
8	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism ..... (D50-D89)	1	1.7	*
8	Newborn affected by other complications of labor and delivery ..... (P03)	1	1.7	*
8	Newborn affected by noxious influences transmitted via placenta or breast milk ..... (P04)	1	1.7	*
8	Birth trauma ..... (P10-P15)	1	1.7	*
8	Neonatal aspiration syndromes ..... (P24)	1	1.7	*
8	Pulmonary hemorrhage originating in the perinatal period ..... (P26)	1	1.7	*
8	Necrotizing enterocolitis of newborn ..... (P77)	1	1.7	*
8	Hydrops fetalis not due to hemolytic disease ..... (P83.2)	1	1.7	*
...	All other causes ..... (residual)	6	10.3	*

**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, 2019—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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Neonates, non-Hispanic American Indian or Alaska Native, female				
...	All causes . . . . .	59	100.0	422.9
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	12	20.3	*
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	7	11.9	*
3	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	6	10.2	*
4	Newborn affected by maternal complications of pregnancy . . . . . (P01)	4	6.8	*
4	Sudden infant death syndrome . . . . . (R95)	4	6.8	*
6	Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)	3	5.1	*
6	Hydrops fetalis not due to hemolytic disease . . . . . (P83.2)	3	5.1	*
8	Atelectasis . . . . . (P28.0-P28.1)	2	3.4	*
8	Necrotizing enterocolitis of newborn . . . . . (P77)	2	3.4	*
10	Gastritis, duodenitis, and noninfective enteritis and colitis . . . . . (K29,K50-K55)	1	1.7	*
10	Newborn affected by maternal hypertensive disorders . . . . . (P00.0)	1	1.7	*
10	Newborn affected by noxious influences transmitted via placenta or breast milk . . . . . (P04)	1	1.7	*
10	Pulmonary hemorrhage originating in the perinatal period . . . . . (P26)	1	1.7	*
10	Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice . . . . . (P55-P59)	1	1.7	*
10	Accidents (unintentional injuries) . . . . . (V01-X59)	1	1.7	*
...	All other causes . . . . . (residual)	10	16.9	*
Neonates, non-Hispanic Asian, both sexes				
...	All causes . . . . .	457	100.0	191.4
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	136	29.8	57.0
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	90	19.7	37.7
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	55	12.0	23.0
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	32	7.0	13.4
5	Bacterial sepsis of newborn . . . . . (P36)	23	5.0	9.6
6	Respiratory distress of newborn . . . . . (P22)	9	2.0	*
7	Necrotizing enterocolitis of newborn . . . . . (P77)	8	1.8	*
8	Diseases of the circulatory system . . . . . (I00-I99)	7	1.5	*
8	Hydrops fetalis not due to hemolytic disease . . . . . (P83.2)	7	1.5	*
10	Neonatal hemorrhage . . . . . (P50-P52,P54)	6	1.3	*
...	All other causes . . . . . (residual)	84	18.4	35.2
Neonates, non-Hispanic Asian, male				
...	All causes . . . . .	260	100.0	210.0
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	71	27.3	57.3
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	58	22.3	46.8
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	32	12.3	25.8
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	19	7.3	*
5	Bacterial sepsis of newborn . . . . . (P36)	16	6.2	*
6	Respiratory distress of newborn . . . . . (P22)	5	1.9	*
6	Necrotizing enterocolitis of newborn . . . . . (P77)	5	1.9	*
8	Diseases of the circulatory system . . . . . (I00-I99)	4	1.5	*
8	Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)	4	1.5	*
8	Pulmonary hemorrhage originating in the perinatal period . . . . . (P26)	4	1.5	*
8	Neonatal hemorrhage . . . . . (P50-P52,P54)	4	1.5	*
...	All other causes . . . . . (residual)	38	14.6	30.7

**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, 2019—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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Neonates, non-Hispanic Asian, female				
...	All causes . . . . .	197	100.0	171.4
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	65	33.0	56.5
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	32	16.2	27.8
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	23	11.7	20.0
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	13	6.6	*
5	Bacterial sepsis of newborn . . . . . (P36)	7	3.6	*
6	Hydrops fetalis not due to hemolytic disease . . . . . (P83.2)	5	2.5	*
7	Respiratory distress of newborn . . . . . (P22)	4	2.0	*
8	Diseases of the circulatory system . . . . . (I00-I99)	3	1.5	*
8	Atelectasis . . . . . (P28.0-P28.1)	3	1.5	*
8	Necrotizing enterocolitis of newborn . . . . . (P77)	3	1.5	*
...	All other causes . . . . . (residual)	39	19.8	33.9
Neonates, non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes				
...	All causes . . . . .	37	100.0	378.7
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	11	29.7	*
2	Newborn affected by maternal complications of pregnancy . . . . . (P01)	6	16.2	*
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	6	16.2	*
4	Newborn affected by maternal hypertensive disorders . . . . . (P00.0)	2	5.4	*
4	Bacterial sepsis of newborn . . . . . (P36)	2	5.4	*
6	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	1	2.7	*
6	Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)	1	2.7	*
6	Respiratory distress of newborn . . . . . (P22)	1	2.7	*
...	All other causes . . . . . (residual)	7	18.9	*
Neonates, non-Hispanic Native Hawaiian or Other Pacific Islander, male				
...	All causes . . . . .	25	100.0	497.4
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	6	24.0	*
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00-Q99)	6	24.0	*
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	3	12.0	*
4	Newborn affected by maternal hypertensive disorders . . . . . (P00.0)	1	4.0	*
4	Intrauterine hypoxia and birth asphyxia . . . . . (P20-P21)	1	4.0	*
4	Respiratory distress of newborn . . . . . (P22)	1	4.0	*
4	Bacterial sepsis of newborn . . . . . (P36)	1	4.0	*
...	All other causes . . . . . (residual)	6	24.0	*
Neonates, non-Hispanic Native Hawaiian or Other Pacific Islander, female				
...	All causes . . . . .	12	100.0	*
1	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	5	41.7	*
2	Newborn affected by maternal complications of pregnancy . . . . . (P01)	3	25.0	*
3	Newborn affected by maternal hypertensive disorders . . . . . (P00.0)	1	8.3	*
3	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	1	8.3	*
3	Bacterial sepsis of newborn . . . . . (P36)	1	8.3	*
...	All other causes . . . . . (residual)	1	8.3	*

**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, 2019—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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Neonates, Hispanic, both sexes				
...	All causes . . . . .	3,179	100.0	358.6
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	813	25.6	91.7
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	692	21.8	78.1
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	320	10.1	36.1
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	164	5.2	18.5
5	Bacterial sepsis of newborn . . . . . (P36)	128	4.0	14.4
6	Respiratory distress of newborn . . . . . (P22)	96	3.0	10.8
7	Neonatal hemorrhage . . . . . (P50–P52,P54)	83	2.6	9.4
8	Necrotizing enterocolitis of newborn . . . . . (P77)	73	2.3	8.2
9	Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)	57	1.8	6.4
10	Atelectasis . . . . . (P28.0–P28.1)	50	1.6	5.6
...	All other causes . . . . . (residual)	703	22.1	79.3
Neonates, Hispanic, male				
...	All causes . . . . .	1,790	100.0	395.6
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	429	24.0	94.8
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	400	22.3	88.4
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	177	9.9	39.1
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	97	5.4	21.4
5	Bacterial sepsis of newborn . . . . . (P36)	72	4.0	15.9
6	Respiratory distress of newborn . . . . . (P22)	63	3.5	13.9
7	Neonatal hemorrhage . . . . . (P50–P52,P54)	46	2.6	10.2
7	Necrotizing enterocolitis of newborn . . . . . (P77)	46	2.6	10.2
9	Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)	31	1.7	6.9
10	Atelectasis . . . . . (P28.0–P28.1)	30	1.7	6.6
...	All other causes . . . . . (residual)	399	22.3	88.2
Neonates, Hispanic, female				
...	All causes . . . . .	1,389	100.0	320.1
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	384	27.6	88.5
2	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	292	21.0	67.3
3	Newborn affected by maternal complications of pregnancy . . . . . (P01)	143	10.3	33.0
4	Newborn affected by complications of placenta, cord and membranes . . . . . (P02)	67	4.8	15.4
5	Bacterial sepsis of newborn . . . . . (P36)	56	4.0	12.9
6	Neonatal hemorrhage . . . . . (P50–P52,P54)	37	2.7	8.5
7	Respiratory distress of newborn . . . . . (P22)	33	2.4	7.6
8	Necrotizing enterocolitis of newborn . . . . . (P77)	27	1.9	6.2
9	Intrauterine hypoxia and birth asphyxia . . . . . (P20–P21)	26	1.9	6.0
10	Atelectasis . . . . . (P28.0–P28.1)	20	1.4	4.6
...	All other causes . . . . . (residual)	304	21.9	70.1
Postneonates, all races and origins, both sexes				
...	All causes . . . . .	7,120	100.0	190.0
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	1,254	17.6	33.5
2	Accidents (unintentional injuries) . . . . . (V01–X59)	1,125	15.8	30.0
3	Sudden infant death syndrome . . . . . (R95)	1,110	15.6	29.6
4	Diseases of the circulatory system . . . . . (I00–I99)	326	4.6	8.7
5	Assault (homicide) . . . . . (*U01,X85–Y09)	247	3.5	6.6
6	Diarrhea and gastroenteritis of infectious origin . . . . . (A09)	180	2.5	4.8
7	Influenza and pneumonia . . . . . (J09–J18)	156	2.2	4.2
8	Chronic respiratory disease originating in the perinatal period . . . . . (P27)	148	2.1	3.9
9	Septicemia . . . . . (A40–A41)	131	1.8	3.5
10	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	71	1.0	1.9
...	All other causes . . . . . (residual)	2,372	33.3	63.3



**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, 2019—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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Postneonates, all races and origins, male				
...	All causes . . . . .	3,990	100.0	208.1
1	Accidents (unintentional injuries) . . . . . (V01–X59)	674	16.9	35.2
2	Sudden infant death syndrome . . . . . (R95)	645	16.2	33.6
3	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	628	15.7	32.8
4	Diseases of the circulatory system . . . . . (I00–I99)	177	4.4	9.2
5	Assault (homicide) . . . . . (*U01,X85–Y09)	148	3.7	7.7
6	Diarrhea and gastroenteritis of infectious origin . . . . . (A09)	97	2.4	5.1
7	Influenza and pneumonia . . . . . (J09–J18)	91	2.3	4.7
8	Chronic respiratory disease originating in the perinatal period . . . . . (P27)	86	2.2	4.5
9	Septicemia . . . . . (A40–A41)	67	1.7	3.5
10	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	37	0.9	1.9
...	All other causes . . . . . (residual)	1,340	33.6	69.9
Postneonates, all races and origins, female				
...	All causes . . . . .	3,130	100.0	171.0
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	626	20.0	34.2
2	Sudden infant death syndrome . . . . . (R95)	465	14.9	25.4
3	Accidents (unintentional injuries) . . . . . (V01–X59)	451	14.4	24.6
4	Diseases of the circulatory system . . . . . (I00–I99)	149	4.8	8.1
5	Assault (homicide) . . . . . (*U01,X85–Y09)	99	3.2	5.4
6	Diarrhea and gastroenteritis of infectious origin . . . . . (A09)	83	2.7	4.5
7	Influenza and pneumonia . . . . . (J09–J18)	65	2.1	3.6
8	Septicemia . . . . . (A40–A41)	64	2.0	3.5
9	Chronic respiratory disease originating in the perinatal period . . . . . (P27)	62	2.0	3.4
10	Disorders related to short gestation and low birth weight, not elsewhere classified . . . . . (P07)	34	1.1	1.9
...	All other causes . . . . . (residual)	1,032	33.0	56.4
Postneonates, non-Hispanic white, both sexes				
...	All causes . . . . .	2,839	100.0	148.2
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	542	19.1	28.3
2	Accidents (unintentional injuries) . . . . . (V01–X59)	506	17.8	26.4
3	Sudden infant death syndrome . . . . . (R95)	437	15.4	22.8
4	Diseases of the circulatory system . . . . . (I00–I99)	138	4.9	7.2
5	Assault (homicide) . . . . . (*U01,X85–Y09)	91	3.2	4.7
6	Diarrhea and gastroenteritis of infectious origin . . . . . (A09)	58	2.0	3.0
7	Influenza and pneumonia . . . . . (J09–J18)	53	1.9	2.8
7	Chronic respiratory disease originating in the perinatal period . . . . . (P27)	53	1.9	2.8
9	Septicemia . . . . . (A40–A41)	39	1.4	2.0
10	Malignant neoplasms . . . . . (C00–C97)	29	1.0	1.5
...	All other causes . . . . . (residual)	893	31.5	46.6
Postneonates, non-Hispanic white, male				
...	All causes . . . . .	1,632	100.0	166.3
1	Accidents (unintentional injuries) . . . . . (V01–X59)	311	19.1	31.7
2	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	285	17.5	29.0
3	Sudden infant death syndrome . . . . . (R95)	264	16.2	26.9
4	Diseases of the circulatory system . . . . . (I00–I99)	72	4.4	7.3
5	Assault (homicide) . . . . . (*U01,X85–Y09)	52	3.2	5.3
6	Diarrhea and gastroenteritis of infectious origin . . . . . (A09)	35	2.1	3.6
7	Chronic respiratory disease originating in the perinatal period . . . . . (P27)	31	1.9	3.2
8	Influenza and pneumonia . . . . . (J09–J18)	29	1.8	3.0
9	Septicemia . . . . . (A40–A41)	21	1.3	2.1
10	Malignant neoplasms . . . . . (C00–C97)	18	1.1	*
...	All other causes . . . . . (residual)	514	31.5	52.4

**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, 2019—Con.**

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Rank <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Postneonates, non-Hispanic white, female				
...	All causes.....	1,207	100.0	129.2
1	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	257	21.3	27.5
2	Accidents (unintentional injuries)..... (V01–X59)	195	16.2	20.9
3	Sudden infant death syndrome..... (R95)	173	14.3	18.5
4	Diseases of the circulatory system..... (I00–I99)	66	5.5	7.1
5	Assault (homicide)..... (*U01,X85–Y09)	39	3.2	4.2
6	Influenza and pneumonia..... (J09–J18)	24	2.0	2.6
7	Diarrhea and gastroenteritis of infectious origin..... (A09)	23	1.9	2.5
8	Chronic respiratory disease originating in the perinatal period..... (P27)	22	1.8	2.4
9	Septicemia..... (A40–A41)	18	1.5	*
10	Disorders related to short gestation and low birth weight, not elsewhere classified..... (P07)	15	1.2	*
...	All other causes..... (residual)	375	31.1	40.1
Postneonates, non-Hispanic black, both sexes				
...	All causes.....	2,238	100.0	408.3
1	Sudden infant death syndrome..... (R95)	388	17.3	70.8
2	Accidents (unintentional injuries)..... (V01–X59)	338	15.1	61.7
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	281	12.6	51.3
4	Diseases of the circulatory system..... (I00–I99)	98	4.4	17.9
5	Assault (homicide)..... (*U01,X85–Y09)	93	4.2	17.0
6	Diarrhea and gastroenteritis of infectious origin..... (A09)	70	3.1	12.8
7	Septicemia..... (A40–A41)	61	2.7	11.1
8	Chronic respiratory disease originating in the perinatal period..... (P27)	57	2.5	10.4
9	Influenza and pneumonia..... (J09–J18)	55	2.5	10.0
10	Disorders related to short gestation and low birth weight, not elsewhere classified..... (P07)	28	1.3	5.1
...	All other causes..... (residual)	769	34.4	140.3
Postneonates, non-Hispanic black, male				
...	All causes.....	1,221	100.0	438.4
1	Sudden infant death syndrome..... (R95)	205	16.8	73.6
2	Accidents (unintentional injuries)..... (V01–X59)	197	16.1	70.7
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	131	10.7	47.0
4	Diseases of the circulatory system..... (I00–I99)	58	4.8	20.8
5	Assault (homicide)..... (*U01,X85–Y09)	54	4.4	19.4
6	Diarrhea and gastroenteritis of infectious origin..... (A09)	39	3.2	14.0
7	Influenza and pneumonia..... (J09–J18)	34	2.8	12.2
8	Chronic respiratory disease originating in the perinatal period..... (P27)	32	2.6	11.5
9	Septicemia..... (A40–A41)	25	2.0	9.0
10	Disorders related to short gestation and low birth weight, not elsewhere classified..... (P07)	14	1.1	*
...	All other causes..... (residual)	432	35.4	155.1
Postneonates, non-Hispanic black, female				
...	All causes.....	1,017	100.0	377.3
1	Sudden infant death syndrome..... (R95)	183	18.0	67.9
2	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	150	14.7	55.6
3	Accidents (unintentional injuries)..... (V01–X59)	141	13.9	52.3
4	Diseases of the circulatory system..... (I00–I99)	40	3.9	14.8
5	Assault (homicide)..... (*U01,X85–Y09)	39	3.8	14.5
6	Septicemia..... (A40–A41)	36	3.5	13.4
7	Diarrhea and gastroenteritis of infectious origin..... (A09)	31	3.0	11.5
8	Chronic respiratory disease originating in the perinatal period..... (P27)	25	2.5	9.3
9	Influenza and pneumonia..... (J09–J18)	21	2.1	7.8
10	Disorders related to short gestation and low birth weight, not elsewhere classified..... (P07)	14	1.4	*
...	All other causes..... (residual)	337	33.1	125.0

**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, 2019—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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Postneonates, non-Hispanic American Indian or Alaska Native, both sexes				
...	All causes .....	112	100.0	393.7
1	Accidents (unintentional injuries)..... (V01–X59)	23	20.5	80.8
2	Sudden infant death syndrome..... (R95)	20	17.9	70.3
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	11	9.8	*
4	Diseases of the circulatory system..... (I00–I99)	5	4.5	*
4	Influenza and pneumonia..... (J09–J18)	5	4.5	*
6	Acute bronchitis and acute bronchiolitis..... (J20–J21)	4	3.6	*
7	Assault (homicide)..... (*U01,X85–Y09)	3	2.7	*
8	Septicemia..... (A40–A41)	2	1.8	*
8	Acute upper respiratory infections..... (J00–J06)	2	1.8	*
10	Diarrhea and gastroenteritis of infectious origin..... (A09)	1	0.9	*
10	Meningitis..... (G00,G03)	1	0.9	*
10	Disorders related to short gestation and low birth weight, not elsewhere classified..... (P07)	1	0.9	*
10	Congenital pneumonia..... (P23)	1	0.9	*
...	All other causes..... (residual)	33	29.5	116.0
Postneonates, non-Hispanic American Indian or Alaska Native, male				
...	All causes .....	66	100.0	455.2
1	Accidents (unintentional injuries)..... (V01–X59)	15	22.7	*
2	Sudden infant death syndrome..... (R95)	14	21.2	*
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	7	10.6	*
4	Diseases of the circulatory system..... (I00–I99)	4	6.1	*
5	Septicemia..... (A40–A41)	2	3.0	*
5	Influenza and pneumonia..... (J09–J18)	2	3.0	*
7	Diarrhea and gastroenteritis of infectious origin..... (A09)	1	1.5	*
7	Acute upper respiratory infections..... (J00–J06)	1	1.5	*
7	Acute bronchitis and acute bronchiolitis..... (J20–J21)	1	1.5	*
7	Disorders related to short gestation and low birth weight, not elsewhere classified..... (P07)	1	1.5	*
7	Assault (homicide)..... (*U01,X85–Y09)	1	1.5	*
...	All other causes..... (residual)	17	25.8	*
Postneonates, non-Hispanic American Indian or Alaska Native, female				
...	All causes .....	46	100.0	329.7
1	Accidents (unintentional injuries)..... (V01–X59)	8	17.4	*
2	Sudden infant death syndrome..... (R95)	6	13.0	*
3	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	4	8.7	*
4	Influenza and pneumonia..... (J09–J18)	3	6.5	*
4	Acute bronchitis and acute bronchiolitis..... (J20–J21)	3	6.5	*
6	Assault (homicide)..... (*U01,X85–Y09)	2	4.3	*
7	Meningitis..... (G00,G03)	1	2.2	*
7	Diseases of the circulatory system..... (I00–I99)	1	2.2	*
7	Acute upper respiratory infections..... (J00–J06)	1	2.2	*
7	Congenital pneumonia..... (P23)	1	2.2	*
...	All other causes..... (residual)	16	34.8	*

**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, 2019—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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Postneonates, non-Hispanic Asian, both sexes				
...	All causes.....	171	100.0	71.6
1	Congenital malformations, deformations and chromosomal abnormalities.....(Q00-Q99)	41	24.0	17.2
2	Accidents (unintentional injuries).....(V01-X59)	19	11.1	*
3	Sudden infant death syndrome.....(R95)	11	6.4	*
4	Diseases of the circulatory system.....(I00-I99)	10	5.8	*
5	Diarrhea and gastroenteritis of infectious origin.....(A09)	6	3.5	*
6	Septicemia.....(A40-A41)	5	2.9	*
7	Influenza and pneumonia.....(J09-J18)	4	2.3	*
7	Chronic respiratory disease originating in the perinatal period.....(P27)	4	2.3	*
9	Malignant neoplasms.....(C00-C97)	3	1.8	*
9	Slow fetal growth and fetal malnutrition.....(P05)	3	1.8	*
9	Assault (homicide).....(*U01,X85-Y09)	3	1.8	*
...	All other causes.....(residual)	62	36.3	26.0
Postneonates, non-Hispanic Asian, male				
...	All causes.....	98	100.0	79.2
1	Congenital malformations, deformations and chromosomal abnormalities.....(Q00-Q99)	19	19.4	*
2	Accidents (unintentional injuries).....(V01-X59)	13	13.3	*
3	Septicemia.....(A40-A41)	5	5.1	*
3	Diseases of the circulatory system.....(I00-I99)	5	5.1	*
3	Sudden infant death syndrome.....(R95)	5	5.1	*
6	Diarrhea and gastroenteritis of infectious origin.....(A09)	4	4.1	*
7	Influenza and pneumonia.....(J09-J18)	3	3.1	*
7	Chronic respiratory disease originating in the perinatal period.....(P27)	3	3.1	*
9	Malignant neoplasms.....(C00-C97)	2	2.0	*
9	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism.....(D50-D89)	2	2.0	*
9	Assault (homicide).....(*U01,X85-Y09)	2	2.0	*
...	All other causes.....(residual)	35	35.7	28.3
Postneonates, non-Hispanic Asian, female				
...	All causes.....	73	100.0	63.5
1	Congenital malformations, deformations and chromosomal abnormalities.....(Q00-Q99)	22	30.1	19.1
2	Sudden infant death syndrome.....(R95)	6	8.2	*
2	Accidents (unintentional injuries).....(V01-X59)	6	8.2	*
4	Diseases of the circulatory system.....(I00-I99)	5	6.8	*
5	Diarrhea and gastroenteritis of infectious origin.....(A09)	2	2.7	*
5	Slow fetal growth and fetal malnutrition.....(P05)	2	2.7	*
5	Respiratory distress of newborn.....(P22)	2	2.7	*
8	Malignant neoplasms.....(C00-C97)	1	1.4	*
8	Volume depletion, disorders of fluid, electrolyte and acid-base balance.....(E86-E87)	1	1.4	*
8	Infantile spinal muscular atrophy, type I (Werdnig-Hoffman).....(G12.0)	1	1.4	*
8	Infantile cerebral palsy.....(G80)	1	1.4	*
8	Influenza and pneumonia.....(J09-J18)	1	1.4	*
8	Gastritis, duodenitis, and noninfective enteritis and colitis.....(K29,K50-K55)	1	1.4	*
8	Disorders related to short gestation and low birth weight, not elsewhere classified.....(P07)	1	1.4	*
8	Birth trauma.....(P10-P15)	1	1.4	*
8	Chronic respiratory disease originating in the perinatal period.....(P27)	1	1.4	*
8	Hydrops fetalis not due to hemolytic disease.....(P83.2)	1	1.4	*
8	Assault (homicide).....(*U01,X85-Y09)	1	1.4	*
...	All other causes.....(residual)	17	23.3	*

**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, 2019—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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Postneonates, non-Hispanic Native Hawaiian or Other Pacific Islander, both sexes				
...	All causes .....	34	100.0	348.0
1	Accidents (unintentional injuries)..... (V01–X59)	8	23.5	*
2	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	7	20.6	*
3	Sudden infant death syndrome..... (R95)	5	14.7	*
4	Diseases of the circulatory system..... (I00–I99)	3	8.8	*
5	Malignant neoplasms..... (C00–C97)	1	2.9	*
5	Anoxic brain damage, not elsewhere classified..... (G93.1)	1	2.9	*
5	Influenza and pneumonia..... (J09–J18)	1	2.9	*
5	Bronchitis, chronic and unspecified..... (J40–J42)	1	2.9	*
5	Gastritis, duodenitis, and noninfective enteritis and colitis..... (K29,K50–K55)	1	2.9	*
...	All other causes..... (residual)	6	17.6	*
Postneonates, non-Hispanic Native Hawaiian or Other Pacific Islander, male				
...	All causes.....	18	100.0	*
1	Accidents (unintentional injuries)..... (V01–X59)	5	27.8	*
2	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	3	16.7	*
3	Diseases of the circulatory system..... (I00–I99)	2	11.1	*
3	Sudden infant death syndrome..... (R95)	2	11.1	*
5	Anoxic brain damage, not elsewhere classified..... (G93.1)	1	5.6	*
5	Influenza and pneumonia..... (J09–J18)	1	5.6	*
5	Gastritis, duodenitis, and noninfective enteritis and colitis..... (K29,K50–K55)	1	5.6	*
...	All other causes..... (residual)	3	16.7	*
Postneonates, non-Hispanic Native Hawaiian or Other Pacific Islander, female				
...	All causes.....	16	100.0	*
1	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	4	25.0	*
2	Sudden infant death syndrome..... (R95)	3	18.8	*
2	Accidents (unintentional injuries)..... (V01–X59)	3	18.8	*
4	Malignant neoplasms..... (C00–C97)	1	6.3	*
4	Diseases of the circulatory system..... (I00–I99)	1	6.3	*
4	Bronchitis, chronic and unspecified..... (J40–J42)	1	6.3	*
...	All other causes..... (residual)	3	18.8	*
Postneonates, Hispanic, both sexes				
...	All causes.....	1,428	100.0	161.1
1	Congenital malformations, deformations and chromosomal abnormalities..... (Q00–Q99)	325	22.8	36.7
2	Sudden infant death syndrome..... (R95)	193	13.5	21.8
3	Accidents (unintentional injuries)..... (V01–X59)	168	11.8	19.0
4	Diseases of the circulatory system..... (I00–I99)	64	4.5	7.2
5	Assault (homicide)..... (*U01,X85–Y09)	47	3.3	5.3
6	Diarrhea and gastroenteritis of infectious origin..... (A09)	37	2.6	4.2
7	Chronic respiratory disease originating in the perinatal period..... (P27)	30	2.1	3.4
8	Influenza and pneumonia..... (J09–J18)	29	2.0	3.3
9	Septicemia..... (A40–A41)	22	1.5	2.5
10	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism..... (D50–D89)	11	0.8	*
...	All other causes..... (residual)	502	35.2	56.6

**Table 2. Infant, neonatal, and postneonatal deaths, percentage of total deaths, and mortality rates for the 10 leading causes of infant death, by race and Hispanic origin and sex: United States, 2019—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 categories are consistent with 1997 Office of Management and Budget standards. 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 <sup>1</sup>	Cause of death (based on ICD-10), age, race and Hispanic origin, and sex	Number <sup>2</sup>	Percent of total deaths	Mortality rate <sup>2</sup>
Postneonates, Hispanic, male				
...	All causes . . . . .	781	100.0	172.6
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	161	20.6	35.6
2	Sudden infant death syndrome . . . . . (R95)	116	14.9	25.6
3	Accidents (unintentional injuries) . . . . . (V01–X59)	98	12.5	21.7
4	Diseases of the circulatory system . . . . . (I00–I99)	32	4.1	7.1
5	Assault (homicide) . . . . . (*U01,X85–Y09)	30	3.8	6.6
6	Influenza and pneumonia . . . . . (J09–J18)	17	2.2	*
6	Chronic respiratory disease originating in the perinatal period . . . . . (P27)	17	2.2	*
8	Diarrhea and gastroenteritis of infectious origin . . . . . (A09)	15	1.9	*
9	Septicemia . . . . . (A40–A41)	12	1.5	*
10	Necrotizing enterocolitis of newborn . . . . . (P77)	7	0.9	*
...	All other causes . . . . . (residual)	276	35.3	61.0
Postneonates, Hispanic, female				
...	All causes . . . . .	647	100.0	149.1
1	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)	164	25.3	37.8
2	Sudden infant death syndrome . . . . . (R95)	77	11.9	17.7
3	Accidents (unintentional injuries) . . . . . (V01–X59)	70	10.8	16.1
4	Diseases of the circulatory system . . . . . (I00–I99)	32	4.9	7.4
5	Diarrhea and gastroenteritis of infectious origin . . . . . (A09)	22	3.4	5.1
6	Assault (homicide) . . . . . (*U01,X85–Y09)	17	2.6	*
7	Chronic respiratory disease originating in the perinatal period . . . . . (P27)	13	2.0	*
8	Influenza and pneumonia . . . . . (J09–J18)	12	1.9	*
9	Septicemia . . . . . (A40–A41)	10	1.5	*
10	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism . . . . . (D50–D89)	7	1.1	*
...	All other causes . . . . . (residual)	223	34.5	51.4

... Category not applicable.

\* Rate does not meet National Center for Health Statistics standards of reliability.

<sup>1</sup>Based on number of deaths.

<sup>2</sup>Data for two or more races and origin not stated are included in "all races and origins" but are not distributed among race and Hispanic-origin groups. For the race and Hispanic-origin categories shown, only one race was reported on the death certificate.

SOURCE: National Center for Health Statistics, 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 District of Columbia in 2019 and processed by the National Center for Health Statistics (NCHS) through the Vital Statistics Cooperative Program. For details about the nature and sources of data, revision of the U.S. Standard Certificate of Death, and terrorism-related deaths, see the Technical Notes of the companion report, “Deaths: Final Data for 2019” (5). 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 almost 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 (6).

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* (8,23–27). 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.

Before 1968, mortality medical data were based on manual coding of an underlying cause of death for each certificate in accordance with WHO rules. Effective with data year 1968, NCHS converted to computerized coding of the underlying cause and manual coding of all causes (multiple causes) on the death certificate. In this system, called Automated Classification of Medical Entities (ACME) (27), multiple-cause codes serve as inputs to computer software that uses 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 (28,29) 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. An enhancement of the MICAR system, SuperMICAR, was introduced beginning with data year 1993 (30). SuperMICAR allows for entry of the literal 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 2019, 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” (6). 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 (31–33).

### Coding changes in 2019

In data year 2019, new ICD–10 code U07.0, Vaping-related disorder, was added as a valid underlying cause-of-death code (5,8). In the “List of 113 Selected Causes of Death and Enterocolitis due to *Clostridium difficile*,” (Table A), this code was added to the rankable category “Pneumoconioses and chemical effects” (ICD–10 codes J60–J66 and J68). Because this category does not usually rank among the 10 leading causes of death, the results for this report were not affected by the change. No other ICD–10 codes were added or deleted as valid underlying-cause codes in data year 2019 (5,8).

### 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 2019. The percentage of all decedents with age not stated in 2019 was 0.005%.

### Race and Hispanic origin

Demographic information on decedents, including race and Hispanic origin, is usually collected from informants and reported on death certificates by funeral directors. 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 2019) were assigned to the specified race of the previous single-race record. Records for which race was unknown, not stated, or not classifiable (0.2%) were assigned the racial designation of the previous single-race record. Records for which Hispanic origin was not stated or not classifiable (0.2%) 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; full implementation of the revised death certificate consistent with the Office of Management and Budget’s (OMB) 1997 standards, beginning

with 2018 mortality data; and the quality of reporting on death certificates and surveys, see the Technical Notes of “Deaths: Final Data for 2019” (5). For detailed comparisons between bridged-race and unbridged single-race data, see “Comparability of Race-specific Mortality Data Based on 1977 Versus 1997 Reporting Standards” (4).

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 1.0%, and the percentage of live births to mothers of unknown origin was 1.0% for the United States in 2019 (5,34). Infant mortality rates by specified race and Hispanic origin are more accurate when based on the linked file of infant deaths and live births (22). 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 2019” (5).

## 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 and in supplemental Internet tables are postcensal estimates, based on the 2010 census, for July 1, 2019. The single-race estimates based on the 1997 OMB standards are available directly from the U.S. Census Bureau (35). The bridged-race estimates, consistent with the 1977 OMB standards, were produced under a collaborative arrangement with the U.S. Census Bureau (36). For more details about changes in the standards for classifying race and ethnicity, the related race bridging of population estimates, and the full transition to estimates consistent with 1997 OMB standards as of data year 2018, see “Deaths: Final Data for 2019” (5).

Single-race population estimates used for this report are shown by age group, race and Hispanic origin, and sex in the [Technical Notes Table](#). Bridged-race population estimates used for supplemental tables are shown in Internet [Table I–3](#). Note that the population data used to calculate the race-specific mortality statistics presented for non-Hispanic decedents in bridged-race tables 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 (14). 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 2019” (37).

## 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 5 for a more detailed discussion of random variation and formulas for calculating standard errors for death rates and infant mortality rates).



**Table. Estimated population, by age group, race and Hispanic origin, and sex: United States, July 1, 2019**

Race and Hispanic origin and sex	All ages	Age group (years)													
		Under 1	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	85 and over
<b>All races and origins<sup>1</sup></b>															
Male	328,239,523	3,783,052	15,793,631	20,195,895	20,798,268	21,054,570	21,632,940	45,940,321	41,659,144	40,874,902	42,448,537	54,058,263	31,483,433	15,969,872	6,604,958
Female	161,657,324	1,935,117	8,074,090	10,322,762	10,618,261	10,745,607	11,064,752	23,359,180	20,792,080	20,171,966	20,499,219	24,074,290	14,699,579	6,998,223	2,376,488
Total	166,582,199	1,847,935	7,719,541	9,873,133	10,180,007	10,308,963	10,568,188	22,581,141	20,867,064	20,702,936	21,949,318	29,983,973	16,783,854	8,971,649	4,228,470
<b>Non-Hispanic:</b>															
<b>White</b>															
Male	197,309,822	1,881,774	7,815,471	10,011,063	10,460,991	11,038,241	11,574,506	25,154,412	23,562,435	25,157,166	29,497,369	41,156,394	23,569,321	12,369,639	5,217,434
Female	97,313,073	964,341	4,010,669	5,136,523	5,361,288	5,663,678	5,940,932	12,803,491	11,857,917	12,557,582	14,410,774	18,605,878	11,190,504	5,517,254	1,898,120
Total	99,996,749	917,433	3,804,802	4,874,540	5,099,703	5,374,563	5,633,574	12,350,921	11,704,518	12,599,584	15,086,595	22,550,516	12,378,817	6,852,385	3,319,314
<b>Black</b>															
Male	41,147,488	518,590	2,165,799	2,776,150	2,856,810	2,895,818	3,060,213	6,519,695	5,317,943	5,103,814	4,953,523	4,979,133	3,100,660	1,366,933	511,540
Female	19,674,412	263,960	1,096,223	1,407,110	1,446,630	1,466,375	1,549,642	3,245,844	2,526,561	2,388,793	2,268,706	2,014,568	1,329,513	529,162	155,893
Total	21,473,076	254,630	1,069,576	1,369,040	1,410,180	1,429,443	1,510,571	3,273,851	2,791,382	2,715,021	2,684,817	2,964,565	1,771,147	837,771	355,647
<b>American Indian or Alaska Native</b>															
Male	2,434,908	31,497	130,397	172,598	176,829	177,333	181,686	375,822	301,445	287,692	298,191	301,418	191,853	82,649	26,916
Female	1,198,371	16,120	66,667	87,893	89,486	90,275	92,130	190,883	149,334	139,872	140,414	135,297	88,673	36,598	10,026
Total	1,236,537	15,377	63,730	84,705	87,343	87,058	89,556	184,939	152,111	147,820	157,777	166,121	103,180	46,051	16,890
<b>Asian</b>															
Male	18,905,879	175,227	784,029	1,019,975	1,055,572	1,107,305	1,256,369	3,236,432	3,045,551	2,612,379	2,120,166	2,492,874	1,492,263	709,829	290,782
Female	9,008,809	89,989	403,303	523,236	535,036	554,140	633,525	1,586,326	1,428,759	1,217,253	963,192	1,074,050	654,955	310,304	108,791
Total	9,897,070	85,238	380,726	496,739	520,536	553,165	622,844	1,650,106	1,616,792	1,395,126	1,156,974	1,418,824	837,308	399,525	181,991
<b>Native Hawaiian or Other Pacific Islander</b>															
Male	595,908	7,621	32,464	40,058	42,183	41,462	43,020	102,888	90,092	72,364	63,299	60,457	38,877	15,919	5,661
Female	299,775	3,902	16,559	20,474	21,398	21,218	22,107	52,881	46,000	36,211	30,790	28,235	18,624	7,363	2,248
Total	296,133	3,719	15,905	19,584	20,785	20,244	20,913	50,007	44,092	36,153	32,509	32,222	20,253	8,556	3,413
<b>Hispanic</b>															
Male	60,572,237	983,479	4,110,732	5,243,825	5,323,761	5,040,048	4,844,542	9,525,263	8,656,485	7,128,208	5,076,928	4,638,966	2,822,119	1,307,751	509,096
Female	30,571,037	502,394	2,095,576	2,671,297	2,716,120	2,568,290	2,485,514	4,978,198	4,460,940	3,590,902	2,477,993	2,023,813	1,292,446	546,044	185,323
Total	30,001,200	481,085	2,015,156	2,572,528	2,607,641	2,471,758	2,359,028	4,547,065	4,195,545	3,537,306	2,598,935	2,615,153	1,529,673	761,707	323,773

<sup>1</sup>Numbers for two or more reported races are included in "All races and origins."

NOTES: Population estimates are based on U.S. Census 2010. Race and Hispanic-origin categories are consistent with 1997 Office of Management and Budget standards; for the race-specific categories shown, only one race was reported.

SOURCE: U.S. Census Bureau.

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